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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------|--|--------------|------|-----|--------------|---|-----|-------------|---|---|-----------------------|---|--|----------------|-----|---|-------|-------|--|---------------------------|----|----|----------------|-------|-------|-----------------------|-------|-------|-----------|--|----------|--|------|--|----|--|--------|--|--|--|-------|-------|------|--------------|----|---------------|--|-----------------|--|------|---------|------|------|------|------|----|------|------|---|------|---------|---|-----|------|---|-----|------|---|------|-------------|--|---|-----|---------|--|---|--|----------------------|--|-----|------|-------------|--|----|------|------------|--|---|------|--------------------|--|----|--------|
| <div><div>SAER®</div><div>ELETTROPOMPE</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Technical data |                 | Revision no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | Page:                     |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FS-98E28       |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | 1                         |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Receiver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 | From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Company name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Respons. Department                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Person in charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Phone number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Fax no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| E-mail address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| <div><div><div><div><div><div>H / m</div><div>Head</div></div><div><div>180</div><div>160</div><div>140</div><div>120</div><div>100</div><div>80</div><div>60</div><div>40</div><div>20</div><div>0</div></div><div><div>159</div></div></div><div><div><div>Δp / kPa</div><div></div></div><div><div>1558</div><div>1400</div><div>1200</div><div>1000</div><div>800</div><div>600</div><div>400</div><div>200</div><div>0</div></div><div><div>1558</div></div></div><div><div><div>Eff. 63.3%</div></div><div><div>A1</div></div></div></div><div><div><div>Hydraulic efficiency</div><div></div></div><div><div>61.38</div></div></div><div><div><div>Power input P1</div><div>Shaft power P2</div></div><div><div>P<sub>1</sub> / kW</div><div>P<sub>2</sub> / kW</div></div><div><div>5.641</div><div>4.569</div></div></div><div><div><div>Q / m³/h</div><div></div></div><div><div>6.481</div></div></div></div></div> <div><div>UNI EN ISO 9906:2012 - Grade 3B</div></div> |                |                 | <div>Operating data specification</div> <table><tr><td>Nominal flow</td><td>m³/h</td><td>6.5</td></tr><tr><td>Nominal head</td><td>m</td><td>160</td></tr><tr><td>Static head</td><td>m</td><td>0</td></tr><tr><td>NPSH - value of plant</td><td>m</td><td></td></tr><tr><td>Inlet pressure</td><td>kPa</td><td>0</td></tr><tr><td>Fluid</td><td>Water</td><td></td></tr><tr><td>Operating temperature t A</td><td>°C</td><td>20</td></tr><tr><td>Density at t A</td><td>kg/m³</td><td>998.3</td></tr><tr><td>Kin. viscosity at t A</td><td>mm²/s</td><td>1.005</td></tr></table> <div>Pump</div> <table><tr><td colspan="2">Pump name</td><td colspan="2">FS-98E28</td></tr><tr><td colspan="2">Size</td><td colspan="2">4"</td></tr><tr><td colspan="2">Design</td><td colspan="2"></td></tr><tr><td>Speed</td><td>1/min</td><td>2900</td><td>No of stages</td><td>28</td></tr><tr><td colspan="2">Impeller type</td><td colspan="2">Radial impeller</td></tr><tr><td rowspan="3">Flow</td><td>Nominal</td><td>m³/h</td><td>6.48</td></tr><tr><td>Max-</td><td>m³/h</td><td>12</td></tr><tr><td>Min-</td><td>m³/h</td><td>5</td></tr><tr><td rowspan="3">Head</td><td>Nominal</td><td>m</td><td>159</td></tr><tr><td>Max-</td><td>m</td><td>173</td></tr><tr><td>Min-</td><td>m</td><td>56.2</td></tr><tr><td colspan="2">Head H(Q=0)</td><td>m</td><td>187</td></tr><tr><td colspan="2">NPSH 3%</td><td>m</td><td></td></tr><tr><td colspan="2">Max working pressure</td><td>kPa</td><td>1830</td></tr><tr><td colspan="2">Shaft power</td><td>kW</td><td>4.57</td></tr><tr><td colspan="2">Efficiency</td><td>%</td><td>61.4</td></tr><tr><td colspan="2">Max absorbed power</td><td>kW</td><td>5.0192</td></tr></table> |    |                           |  | Nominal flow | m³/h | 6.5 | Nominal head | m | 160 | Static head | m | 0 | NPSH - value of plant | m |  | Inlet pressure | kPa | 0 | Fluid | Water |  | Operating temperature t A | °C | 20 | Density at t A | kg/m³ | 998.3 | Kin. viscosity at t A | mm²/s | 1.005 | Pump name |  | FS-98E28 |  | Size |  | 4" |  | Design |  |  |  | Speed | 1/min | 2900 | No of stages | 28 | Impeller type |  | Radial impeller |  | Flow | Nominal | m³/h | 6.48 | Max- | m³/h | 12 | Min- | m³/h | 5 | Head | Nominal | m | 159 | Max- | m | 173 | Min- | m | 56.2 | Head H(Q=0) |  | m | 187 | NPSH 3% |  | m |  | Max working pressure |  | kPa | 1830 | Shaft power |  | kW | 4.57 | Efficiency |  | % | 61.4 | Max absorbed power |  | kW | 5.0192 |
| Nominal flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m³/h           | 6.5             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Nominal head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m              | 160             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Static head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | m              | 0               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| NPSH - value of plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Inlet pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | kPa            | 0               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Fluid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Water          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Operating temperature t A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | °C             | 20              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Density at t A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | kg/m³          | 998.3           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Kin. viscosity at t A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | mm²/s          | 1.005           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Pump name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | FS-98E28        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | 4"              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1/min          | 2900            | No of stages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 28 |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Impeller type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | Radial impeller |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nominal        | m³/h            | 6.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Max-           | m³/h            | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Min-           | m³/h            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nominal        | m               | 159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Max-           | m               | 173                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Min-           | m               | 56.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Head H(Q=0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | m               | 187                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| NPSH 3%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | m               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Max working pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | kPa             | 1830                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Shaft power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | kW              | 4.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Efficiency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | %               | 61.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Max absorbed power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | kW              | 5.0192                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Materials Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 | Dimensions in mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Shaft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 | Stainless steel AISI 316 (1.4401)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Impeller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 | Polycarbonates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Diffuser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 | Thermoplastic resin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Suction support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 | Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Outlet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 | Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 | Stainless steel AISI 304 (1.4301)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Cable cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 | Stainless steel AISI 304 (1.4301)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Valvola sferica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 | Rubber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
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| Motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 | Frame size 4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Manufacturer / Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                 | SAER CL 95-7T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Rated power kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 | 5.5 SF 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | Efficiency 4/4 81 %       |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Electric current A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 | 13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    | Speed 1/min 2900          |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Electric voltage V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 | 400 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    | 3~ Hz 50                  |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Starting mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                 | Direct starting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Degree of protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 | IP 68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    | Insulation class F        |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
| MAIN_PROJECT_TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 | BUSINESS_PROCESS_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    | OWNER_                    |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | ISSUE_DATE 2025-01-16     |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | LAST_MODI_DATE 2025-01-16 |  |              |      |     |              |   |     |             |   |   |                       |   |  |                |     |   |       |       |  |                           |    |    |                |       |       |                       |       |       |           |  |          |  |      |  |    |  |        |  |  |  |       |       |      |              |    |               |  |                 |  |      |         |      |      |      |      |    |      |      |   |      |         |   |     |      |   |     |      |   |      |             |  |   |     |         |  |   |  |                      |  |     |      |             |  |    |      |            |  |   |      |                    |  |    |        |

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SAER Elettropompe spa - V.Circonvallazione, 22 - 42016 Guastalla (RE) Italy - tel +390522830941 - fax +390522826948 - www.saerelettropompe.com - Modification without advise!

Receiver

From

Company name

Respons. Department

Person in charge

Phone number

Fax no

E-mail address

Operating area

Flow

Head

Impeller type

Radial impeller

Operating data specification

6.5 m³/h

160 m

Impeller construction

Closed

Pump data

6.48 m³/h

159 m

Sense of rotation

Counter clockwise

Outlet width

2"

Speed

1/min

2900

Frequency

Hz

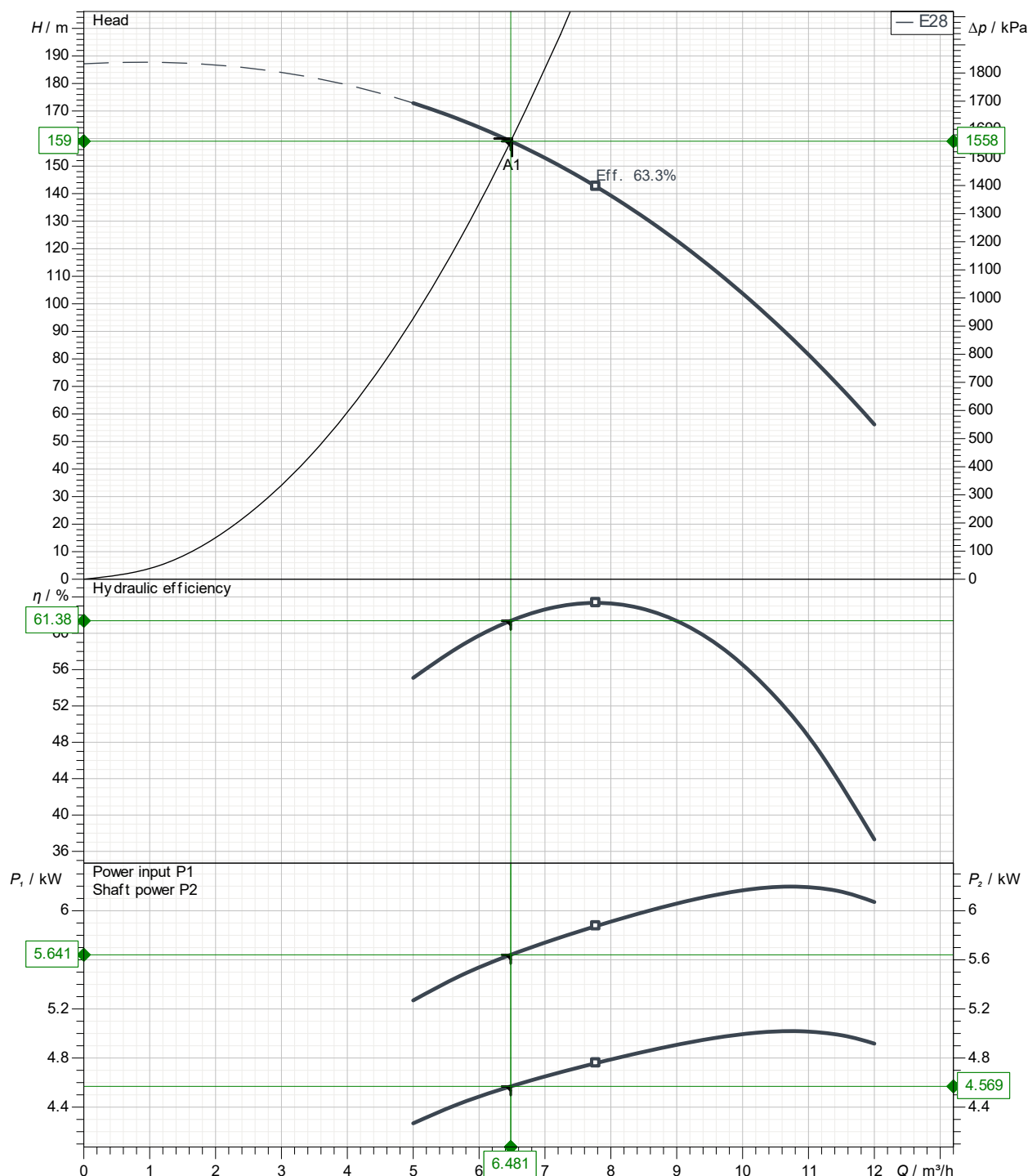
50 Hz

| Flow |      |            | Head   |            | Shaft power P2 |      |            |
|------|------|------------|--------|------------|----------------|------|------------|
| Min. | Max  | $\eta$ Max | H(Q=0) | $\eta$ Max | P2(Q=0)        | Max  | $\eta$ Max |
| m³/h | m³/h | m³/h       | m      | m          | kW             | kW   | kW         |
| 5    | 12   | 7.78       | 187    | 143        | 4.27           | 5.02 | 4.76       |

Performance data based to:

Water; 20°C; 998.3kg/m³; 1.005mm²/s

UNI EN ISO 9906:2012 - Grade 3B



MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_ID

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2025-01-16

LAST\_MODI\_DATE

2025-01-16

[illegible]

This image shows a completely blank white rectangular area. It is surrounded by a thin, solid black border that frames the entire composition. There are no markings, text, or illustrations present on the white surface.

| MAIN_PROJECT_TITLE | BUSINESS_PROCESS_ID | OWNER_ | ISSUE_DATE | LAST_MODI_DATE |
|--------------------|---------------------|--------|------------|----------------|
|                    |                     |        | 2025-01-16 | 2025-01-16     |

|                                                                                                     |                                                                         |                                                                         |                            |                                                          |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|----------------------------------------------------------|
|                     | Picture<br>FS-98E28                                                     |                                                                         | Revision no<br><div></div> | Page:<br>4                                               |
|                                                                                                     |                                                                         |                                                                         |                            |                                                          |
| Company name<br>Respons. Department<br>Person in charge<br>Phone number<br>Fax no<br>E-mail address | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> |                            |                                                          |
|                                                                                                     |                                                                         |                                                                         |                            |                                                          |
| MAIN_PROJECT_TITLE                                                                                  |                                                                         | BUSINESS_PROCESS_ID                                                     | OWNER_<br><div></div>      | ISSUE_DATE<br>2025-01-16<br>LAST_MODI_DATE<br>2025-01-16 |