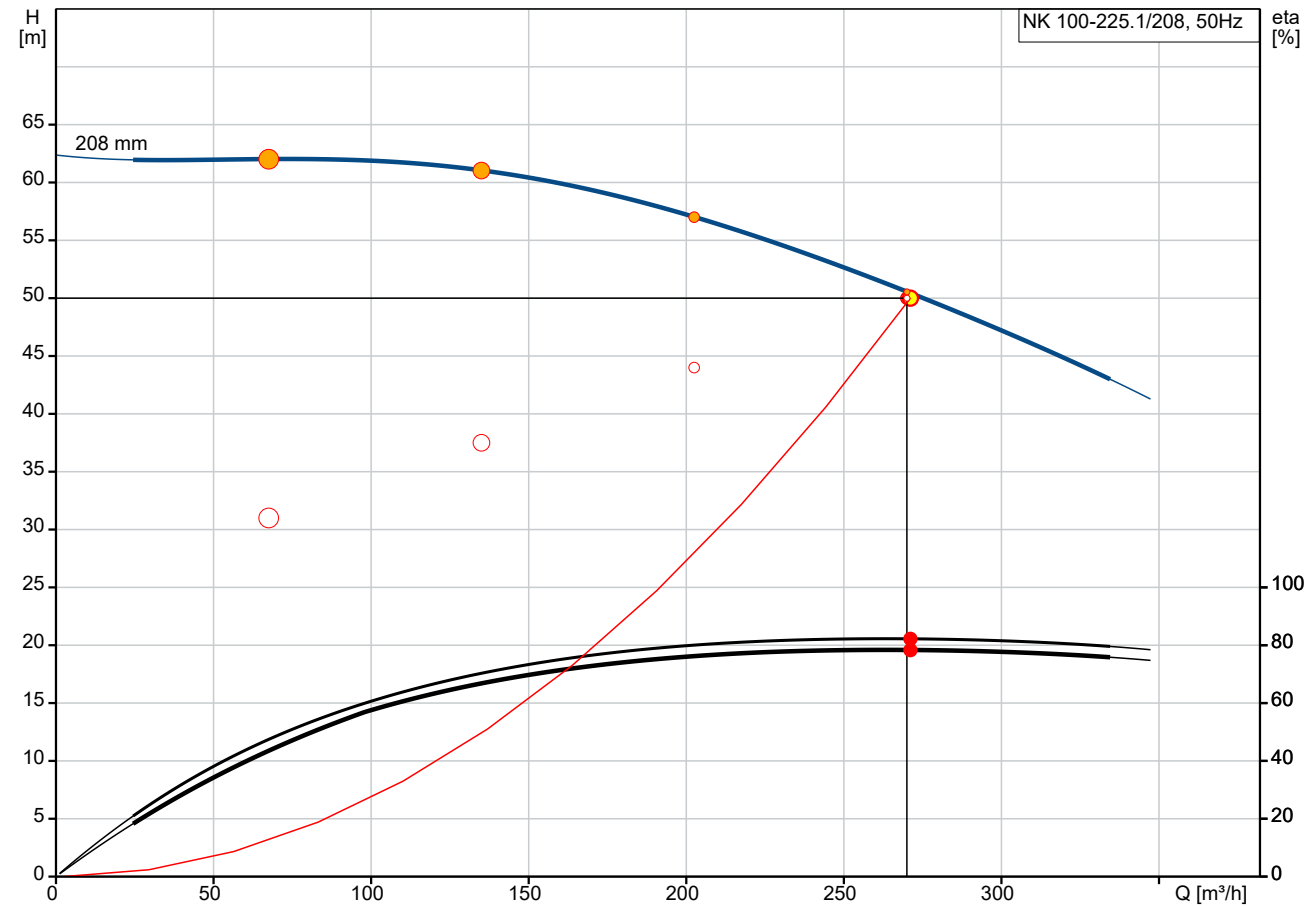


Qty.	Description
1	<p>NK 100-225.1/208 AA1F1S3ESBQQEUW1</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>Non-self priming, single-stage centrifugal pump according to EN 1092-2.</p> <p>The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids.</p> <p>Pump and 3-phase AC motor are mounted as separate units on a common baseplate and</p> <p>The impeller is hydraulically as well as dynamically balanced.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> - flange dimensions according to EN 1092-2, - Cast iron volute pump housing, - stainless steel shaft and Stainless steel impeller and bronze wear rings, - unbalanced mechanical shaft seal according to EN 12756. <p>Controls:</p> <p>Frequency converter: None</p> <p>Pressure sensor: N</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m³</p> <p>Kinematic viscosity: 1 mm²/s</p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2970 rpm</p> <p>Actual calculated flow: 271.1 m³/h</p> <p>Pump with motor (Yes/No): Y</p> <p>Resulting head of the pump: 50 m</p> <p>Actual impeller diameter: 208 mm</p> <p>Nominal impeller diameter: 225.1</p> <p>Primary shaft seal: BQQE</p>

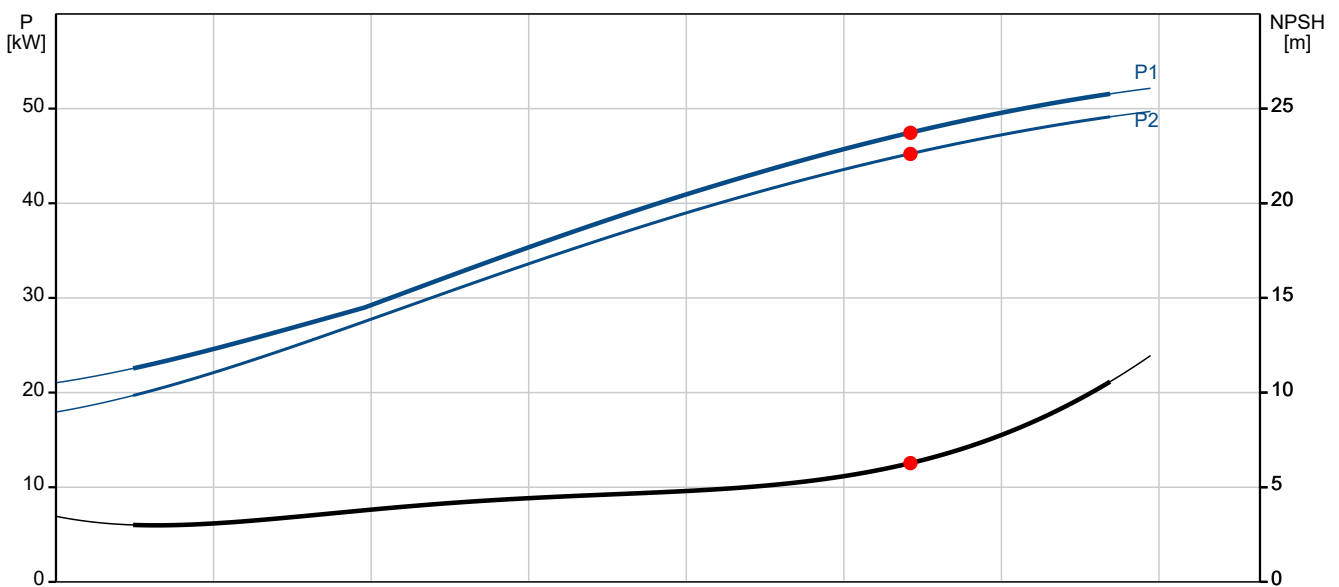
**Company name:****Created by:** IEM Solution & Aftermarket**Phone:****Date:** 9/30/2025

Qty.	Description
1	<div>Code for shaft seal: BQQE</div> <div>Mechanical seal type: Single</div> <div>Curve tolerance: ISO9906:2012 2B</div> <div>Bearing design: Standard</div> <div>Materials:</div> <div>Pump housing: Cast iron EN 1561 EN-GJL-250 ASTM A48-35</div> <div>Impeller: Stainless steel EN 1.4308 ASTM A351 CF8</div> <div>Internal pump house coating: Painting</div> <div>Shaft: Steel EN 1.0503/1.4301 AISI 1045/304</div> <div>Installation:</div> <div>Maximum ambient temperature: 40 °C</div> <div>Maximum operating pressure: 10 bar</div> <div>Pipe connection standard: EN 1092-2</div> <div>Type of inlet connection: DIN</div> <div>Type of outlet connection: DIN</div> <div>Size of inlet connection: DN 125</div> <div>Size of outlet connection: DN 100</div> <div>Pressure rating for connection: PN 10</div> <div>Coupling type: Flexible w/o spacer</div> <div>Base frame design: C-channel</div> <div>Code for base frame: 357</div> <div>Grouting (Yes/No): Y</div> <div>Electrical data:</div> <div>Motor type: 250M</div> <div>Rated power - P2: 55 kW</div> <div>Mains frequency: 50 Hz</div> <div>Rated voltage: 3 x 380-400/660-690 V</div> <div>Rated current: 98,5-93,6/56,7-54,3 A</div> <div>Starting current: 900 %</div> <div>Cos phi - power factor: 0.89</div> <div>Rated speed: 2970 rpm</div> <div>IE efficiency: IE4 95,3%</div> <div>IE Efficiency class: IE4</div> <div>Motor efficiency at full load: 95.3 %</div> <div>Motor efficiency at 3/4 load: 95.3 %</div> <div>Motor efficiency at 1/2 load: 94.9 %</div> <div>Number of poles: 2</div> <div>Enclosure class (IEC 34-5): 55 (Protect. water jets/dust)</div> <div>Insulation class (IEC 85): F</div> <div>Motor No: 92816744</div> <div>Bearing insulation type N-end: N</div> <div>Others:</div> <div>Minimum efficiency index, MEI ≥: 0.51</div> <div>Net weight: 689 kg</div> <div>Gross weight: 761 kg</div> <div>Shipping volume: 1.49 m³</div> <div>Language on pump nameplate: CN</div>

On request NK 100-225.1/208 AA1F1S3ESBQQEUW1 50 Hz

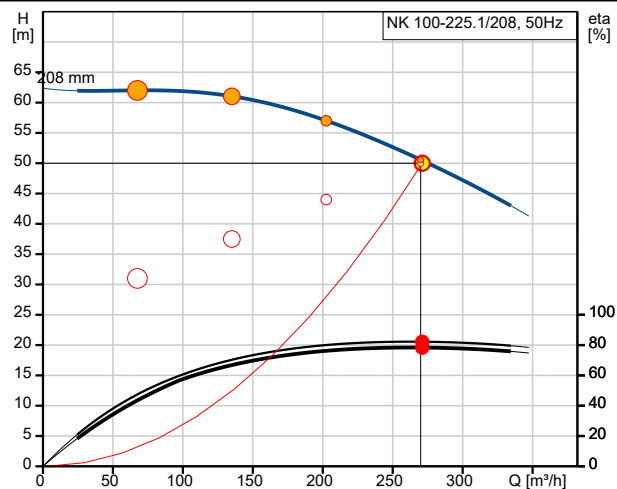


Q = 271.1 m³/h
 Pumped liquid = Water
 Density = 998.2 kg/m³
 Eta pump = 82.2 %
 H = 50 m
 Liquid temperature during operation = 20 °C
 Motor power reserve according to ISO 5199
 Eta pump+motor = 78.3 %

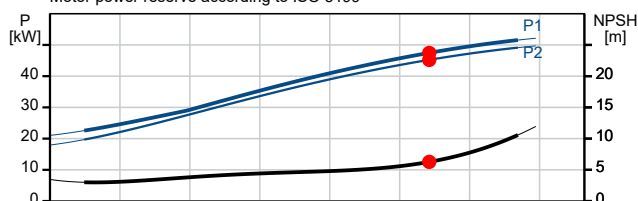


P1 = 47.44 kW
 P2 = 45.21 kW
 Motor size = 55 kW
 Max. power P2 due to ISO5199 = 49 kW
 NPSH = 6.27 m

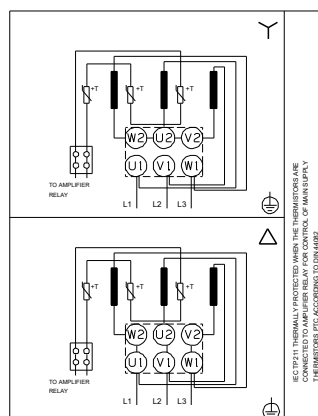
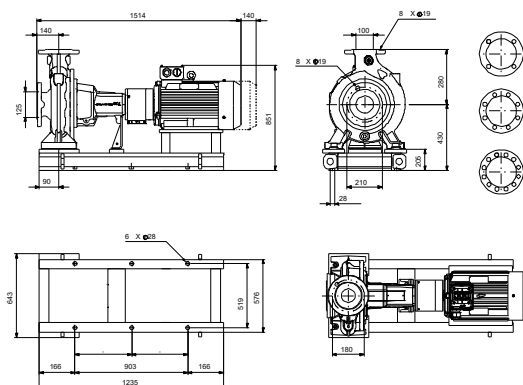
Description	Value
General information:	
Product name:	NK 100-225.1/208 AA1F1S3ESBQQEUW1
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	2970 rpm
Actual calculated flow:	271.1 m³/h
Pump with motor (Yes/No):	Y
Resulting head of the pump:	50 m
Actual impeller diameter:	208 mm
Nominal impeller diameter:	225.1
Primary shaft seal:	BQQE
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
Mechanical seal type:	Single
Curve tolerance:	ISO9906:2012 2B
Pump version:	A1
Bearing design:	Standard
Materials:	
Pump housing:	Cast iron EN 1561 EN-GJL-250 ASTM A48-35
Impeller:	Stainless steel EN 1.4308 ASTM A351 CF8
Internal pump house coating:	Painting
Material code:	S3
Code for rubber:	E
Shaft:	Steel EN 1.0503/1.4301 AISI 1045/304
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	10 bar
Pipe connection standard:	EN 1092-2
Type of inlet connection:	DIN
Type of outlet connection:	DIN
Size of inlet connection:	DN 125
Size of outlet connection:	DN 100
Pressure rating for connection:	PN 10
Coupling type:	Flexible w/o spacer
Base frame design:	C-channel
Code for base frame:	357
Grouting (Yes/No):	Y
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Kinematic viscosity:	1 mm²/s
Electrical data:	
Motor type:	250M
Rated power - P2:	55 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400/660-690 V



Q = 271.1 m³/h H = 50 m
Pumped liquid = Water Density = 998.2 kg/m³
Eta pump = 82.2 % Eta pump+motor = 78.3 %
Liquid temperature during operation = 20 °C
Motor power reserve according to ISO 5199



P1 = 47.44 kW
P2 = 45.21 kW
Motor size = 55 kW
Max. power P2 due to ISO5199 = 49 kW
NPSH = 6.27 m





Company name:

Created by: IEM Solution & Aftermarket

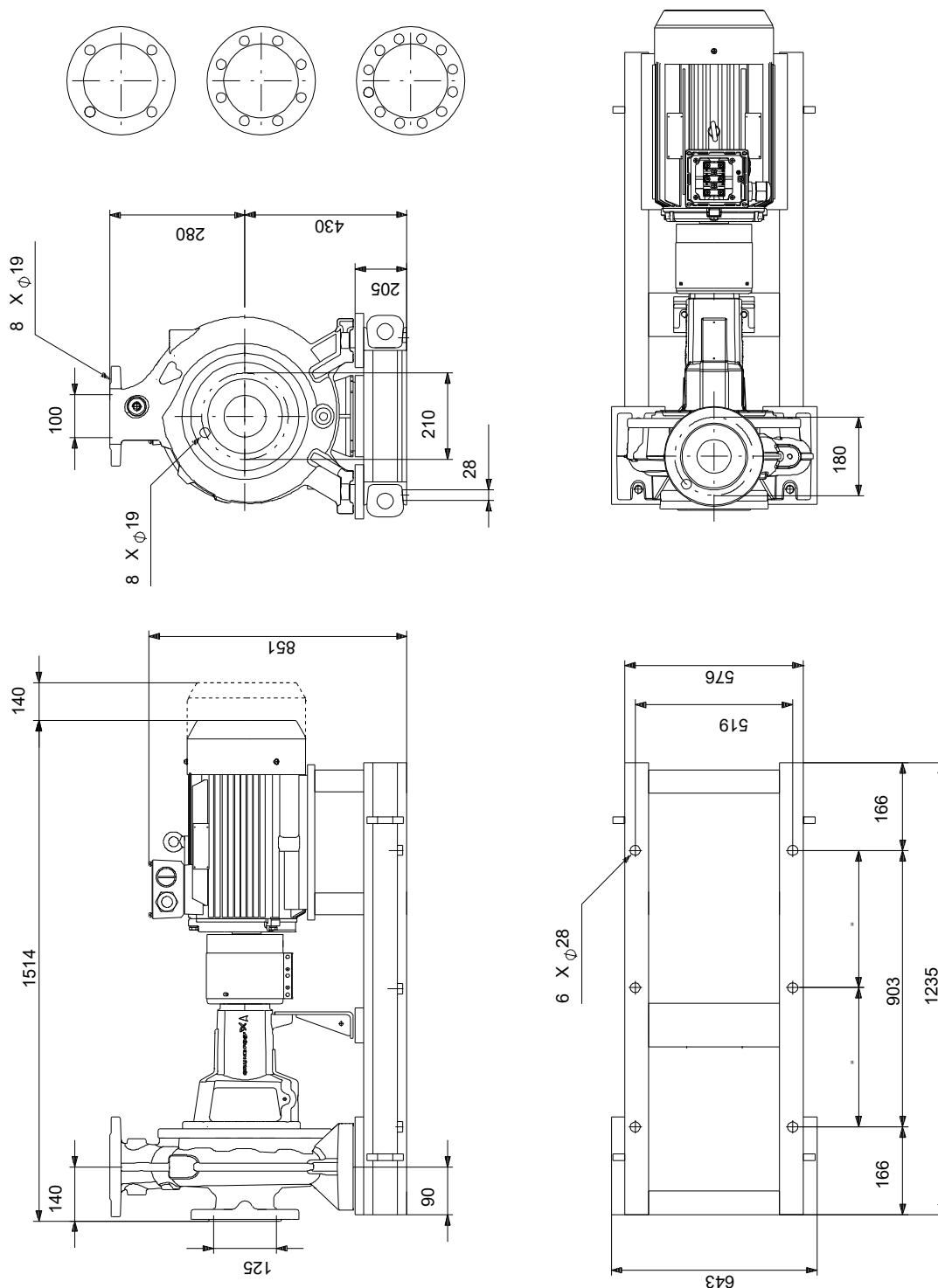
Phone:

Date:

9/30/2025

Description	Value
Rated current:	98,5-93,6/56,7-54,3 A
Starting current:	900 %
Cos phi - power factor:	0.89
Rated speed:	2970 rpm
IE efficiency:	IE4 95,3%
IE Efficiency class:	IE4
Motor efficiency at full load:	95.3 %
Motor efficiency at 3/4 load:	95.3 %
Motor efficiency at 1/2 load:	94.9 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	92816744
Bearing insulation type N-end:	N
Controls:	
Frequency converter:	None
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.51
Net weight:	689 kg
Gross weight:	761 kg
Shipping volume:	1.49 m³
Language on pump nameplate:	CN

On request NK 100-225.1/208 AA1F1S3ESBQQEUW1 50 Hz



Note! All units are in [mm] unless others are stated.

Disclaimer: This simplified dimensional drawing does not show all details.