

**Pumps:** RBB 150-35C 4C55 M181 3**Item:****LIQUIDO**

Liquid	WASTEWATER		Liquid Temperature	20	
Liquid	SOLID SIZE N/A		Density	1,00	kg/dm
Liquid	-		Kinematic Viscosity	1,0	mm2/

**DESIGN PARAMETER**

Working Capacity	450,0	m3/h	Working Absorbed Power	49,82	kW
Working Head	31,5	m	Nominal Working Speed	1.480	1/min
Required Capacity	450,0	m3/h	Service	-	
Required Head	29,9	m	Suction Conditions	-	
Max. Capacity	635,5	m3/h	Geodetic Suction Head	-	
Min. Capacity	63,1	m3/h	Gauge Suction Pressure	0,00	bar
Max. Head	40,7	m	Minimum ambient temperature	-20	°C
NPSH available	0,00	m	Altitude of Installation	<1000 m ASL	
NPSHr (Required from the pump)	2,05	m			
Efficiency at Working Point	77,6				

**PUMP DETAILS**

Pump Standard	ISO 5199		Flange Face Finish	RF - Flanged with Raised Face	
Pump Designation	RB		Rated Impeller Trim	C	
Pump Size	150-35		Impeller Type	Channel	
Pump Group	4		Rated Impeller Diameter	340	mm
Installation area	Safe Area		Maximum Impeller Diameter	359	mm
Atex Category	Safe Zone		Minimum Impeller Diameter	280	mm
Design Pressure	10	bar	Solids Free Passage [mm]	40X75	
Hydrostatic Test Pressure	15	bar	Casing Drain Hole	1/2 G	
Suction Port Diameter [DN]	200		Casing Venting Hole	1/2 G	
Discharge Port Diameter [DN]	150		Painting Cycle	STD-RAL5010-Poliacr.cat.	
Pump Flanges Norm	EN 1092 PN10		Pump RAL	5010	

**PUMPS EXECUTION**

Pump Configuration	Horizontal		Coupling Type	MFR Standard	
Pump Execution	On base With STD Flex. Coupl.		Coupling Spacer	Without Spacer	
Bearing Size/Arrangement	STD		Spacer length	0	mm
Bearing Lubrication Type	Oil		Motor Shaft diameter	65,0	mm
Bearing Housing Oil Capacity	1,95 l		Shaft Diameter Drive side	55	mm
Bearing Temp. Probes	Not Included		Baseplate Code Number	8	
Constant Level Oiler	Not Included		Base-Plate Drain Pan	Not Included	
Transmission Type	Flex Coupling				

**PUMPS MATERIALS**

Pump Casing Material	EN1.4408-A351 CF8M-AISI 316		Wear Ring Material	EN1.4404-A351 CF3M-AISI 316L	
Impeller Material	EN1.4408-A351 CF8M-AISI 316		Gasket Main Material	SIL C-4400	
Shaft Material	EN10083 - C45		Base-Plate Material	Carbon Steel	
Shaft Sleeve material	EN1.4404-A351 CF3M-AISI 316L		Coupling Material	Cast Iron	
Wear Plate Material	Not Present				

**MECHANICAL SEALS**

Seal Execution	M (Standard) (Single Seal)		Cartridge Type	-	
Mechanical Seal Nominal Diamet	70	mm	Cartridge Seal Brand	-	
Seals Supply	Included		Cartdrige Internal Code	999	
Mech. Seal Type (Pump Side)	UN L4K		Cartridge Seal	-	
Mech. Seal Pump Side Brand	Uniten		API PLAN	02 (Dead end)	
MFR Internal Mech. Seals Code	181		Plan Pipes material	N.A.	
Mechanical Seal Pump Side	SIC/SIC/VITON		Flushing Pressure	Ext. Flushing not required	
Mech. Seal Pump Side Pin	Not Present		Flushing Tank	Not Present	
Mech. Seal Type (Flush. Side)	-		Flushing Tank Supply	Tank Not Included	
Mech. Seal Motor Side Brand	-				
Mechanical Seal Motor side	-				
Mech. Seal Motor Side Pin	Not Available				

**EXTRA**

Heating/Cooling Casing Chamber	Not Present		Pump Casing Treatments	Not Present	
Seal Heating Jacket	Not Present		Pump Impeller Treatments	Not Present	
Heat Exchanger	Not Present		Special Pump Treatments	Not Present	
			Special Casing Execution	Not Present	

**MOTOR**

Electric Motor Brand	SEIPEE		Motor Class Tolerances	NO - Standard Class	
El. Motor Serie	GM		Additional Fan Cooling	-	
Electric Motor Poles	4		Motor Roof	-	
Motor Power	55,00	kW	PT100 Probes	-	
Motor Size	250M		Auxiliary Electric Box	-	
El. Motor Flange Diameter	550		Motor Heaters	-	
Electric Motor Supply	Included		Heaters Voltage [V]	-	
El Motor Standard/Customized	Standard		Working Temp. < -20°C	-	
Motor Category	IEC (not ATEX)		Working Temp. >40°C	-	
Std. Electric Motor Brand	SEIPEE		Motor Casing Material	Cast Iron	
Nominal Motor Frequency	50	HZ	Downsized Motor	-	
Operating motor voltage	400/690		Derated Engine Power	-	kW
Motor Efficiency Class	IE3		Additional Label	-	
Motor Shape	B3		Insulated Ball Bearing for VFD	-	
Motor Protection	IP55		Motor Extras	-	
Insulation Class	F		Extras	-	
PTC	Included		Extras	-	
Number of PTC Required	-		Extras	-	
Max Frequency (Inverter Use)	60		Extras	-	
Min. Frequency (Inverter Use)	30				

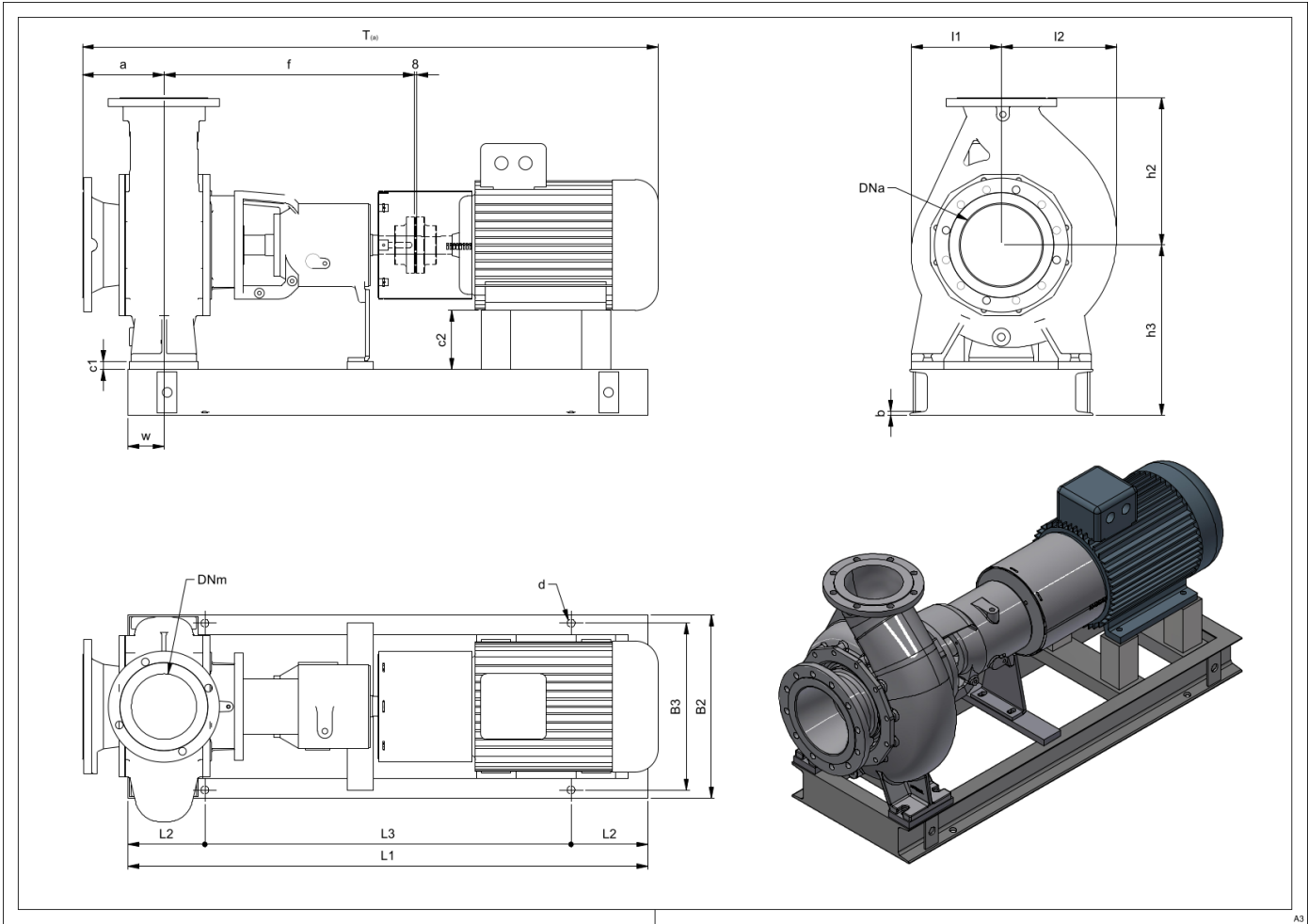
**TEST AND CERTIFICATES**

Food Certificate	No Certification Issue		NPSH Test	No Certification Issue	
ATEX Declaration of Conformity	No		Noise Test	No Certificate Issue	
Impeller Balancing Certificate	No Certificate Issue (P-1006)		Painting Check	No Certificate Issue	
CE Declaration of Conformity	Yes		Certificate of Quality	No	
Drawing Acc.To Customer Spec.	No		End Supply Certification Book	No	
Certificate of Warranty	No		Performance Test (Q-H-P)	No Certificate Issue	
Hydrostatic Test	No Certificate Issue (P-1005)		Visual a Dimensional Check	No Certificate Issue (P-1012)	
Inspection and Test Plan	No		Vibration Test	No Certificate Issue	
Material Certificate	-		Working Conformity Certificate	No Certification Issue	
Mechanical Running Test	No Certification Issue		Preferential Origin	Not Included	

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NOTE:



Serie	Size	Mot. Size	a	f	h3	h2	L1	L2	L3	B2	B3	w	d	b	c1	c2	l1	l2	T(a)	Weight
RB	150-35	250M	200,00	700,00	480,00	400,00	1.590,0	235,00	1.120,0	560,00	510,00	110,00	24,00	13,00	25,00	90,00	257,00	300,00	1.788,0	820,00

(\*) Lunghezza e peso possono variare in funzione della marca del motore  
(\*) Length and weight may vary, it depends by the motor brand

Curve n.: T-1793	Max Diameter (mm): 359	Min Diameter (mm): 280	Sel. Diameter (mm): 340	Material: S.STEEL/SPEC.ALLOYS			
Flow (m3/h): 450,0000	Head (m): 31,520000	Power (kW): 49,820000	Efficiency (%): 77,5900	NPSH (m): 2,050000	NS: 49	SSS: 309	GD2:0
Density (kg/dm3): 1,00000	Viscosity (cSt): 1,0000000	Fluid: Non Specificato			Impeller Type: MULTI_CHANNEL		

