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Technical data

Rexa SUPRA-M25-61

With motor

T 30-8/29KEx

Project ID Untitled project 2025-03-30 20:51:59.472

Project name

Installation location

Customer pos. No.

Date 2025-03-30

Pump

Pump type	Rexa SUPRA-M25-61
Installation type	Suspension device
	DN250/2R
Free passage	105 mm
Nominal speed	740
Frequency	50 Hz
Impeller type	Dual vane impeller
Impeller construction	Closed

Impeller Ø

designed	390 mm
standard	390 mm
Max.	390 mm
Min.	230 mm

Discharge port

Pressure rating	PN10
Rated diameter	DN250
Standard	EN1092-2-D

Suction port

Pressure rating	PN10
Rated diameter	DN250
Standard	EN1092-2-S

Weight

Weight	max.	388 kg
Weight of motor		422 kg
Weight of unit	max.	900 kg

Materials

Pump housing	Cast iron
Stationary wear ring	1.4470
Impeller	Cast iron
Mobile wear ring	1.4308
Suction ports	Cast iron

Motor

Motor name	T 30-8/29KEx
Number of poles	8
Rated power	20 kW
Rated speed	725 1/min
Power input with rated power	22.7 kW
Rated voltage	400 ~3 V
Current input with rated power	40.2 A
Efficiency with rated power	88 %
cos phi with rated power	0.82
cos phi with starting	
Rated frequency	50 Hz
Operation type wet	S1
Operation type dry	
Starting current, direct starting	220 A
Starting current, star-delta	73.3 A
Starting torque	650 Nm
Inertia moment	0.488 kg m ²
Degree of protection	IP 68
Sel. explosion protection	FM
Ex-designation	
Ex-number	
Motor connection cable	4x6 + 4x1,5 NSSHÖU
Max. fluid temperature	40 °C
Starts per hour max.	15

Duty point data

Volume flow	
Head	
Shaft power P ₂	
Hydr. efficiency η _{hyd.}	
Power input P ₁	
Fluid	Water
Required pump NPSH	
Rotational speed	732.6 1/min
Max. flow	247.9 l/s
Head H(Q _{max})	4 m
Shut off head	14.7 m
Best efficiency point Q (BEP)	161.3 l/s
Best efficiency point H (BEP)	7.8 m
Total efficiency	$= \frac{P_2 * \text{Hydr. efficiency } \eta_{\text{hyd.}}}{P}$

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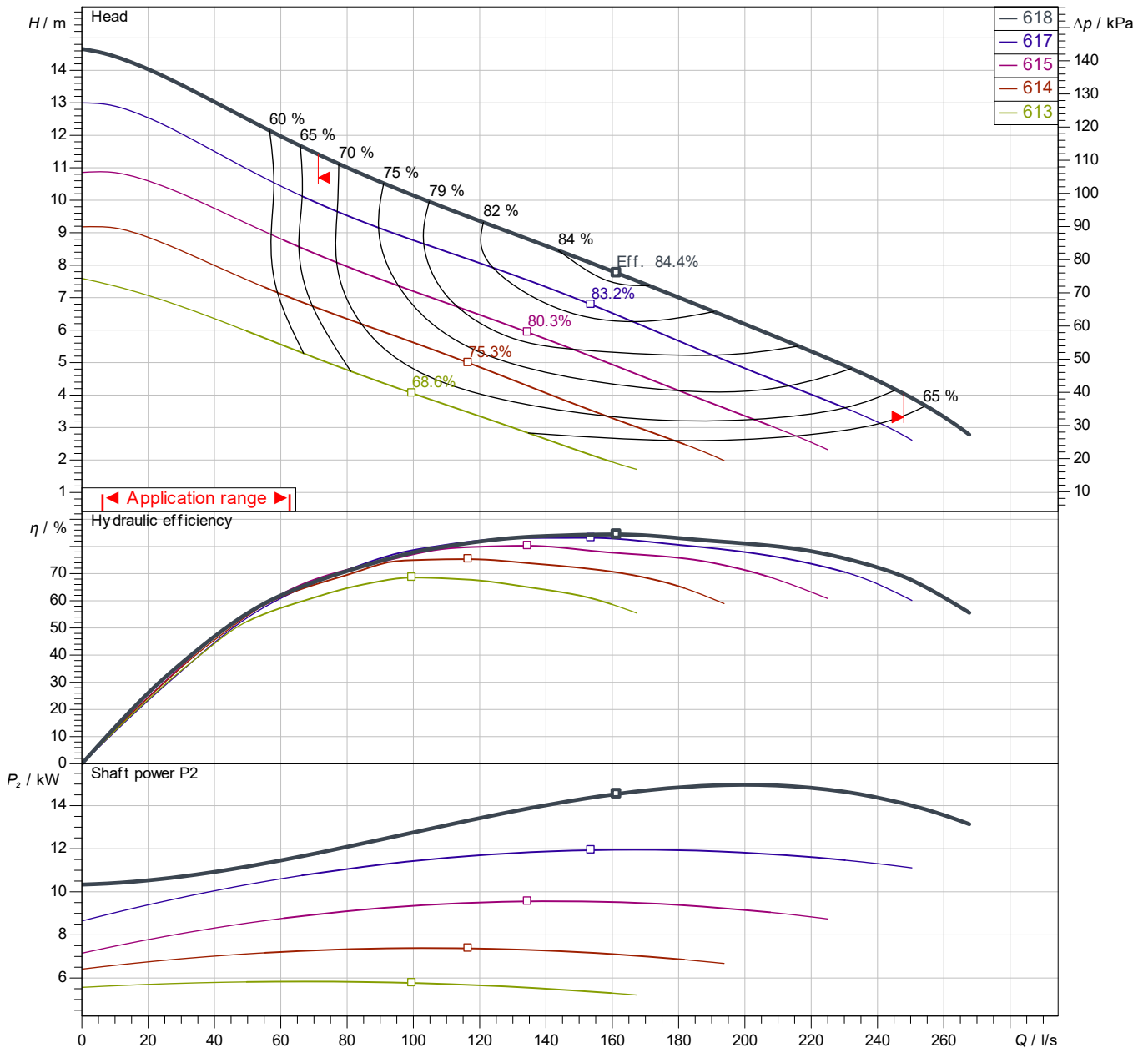
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Tender text



Power data referred to: Water; 20°C; 998.3kg/m³; 1.005mm²/s
Tolerance as per ISO 9906 / Annex A.2

Pump

Impeller Ø	designed	390 mm
Nominal speed		725 1/min
Frequency		50 Hz
Impeller type		Dual vane impeller

Motor

Rated power	20 kW
Sel. explosion protection	FM

Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Required pump NPSH	
Rotational speed	733 1/min

Dimensions

Rexa SUPRA-M25-61

With motor

T 30-8/29KEx

Project ID

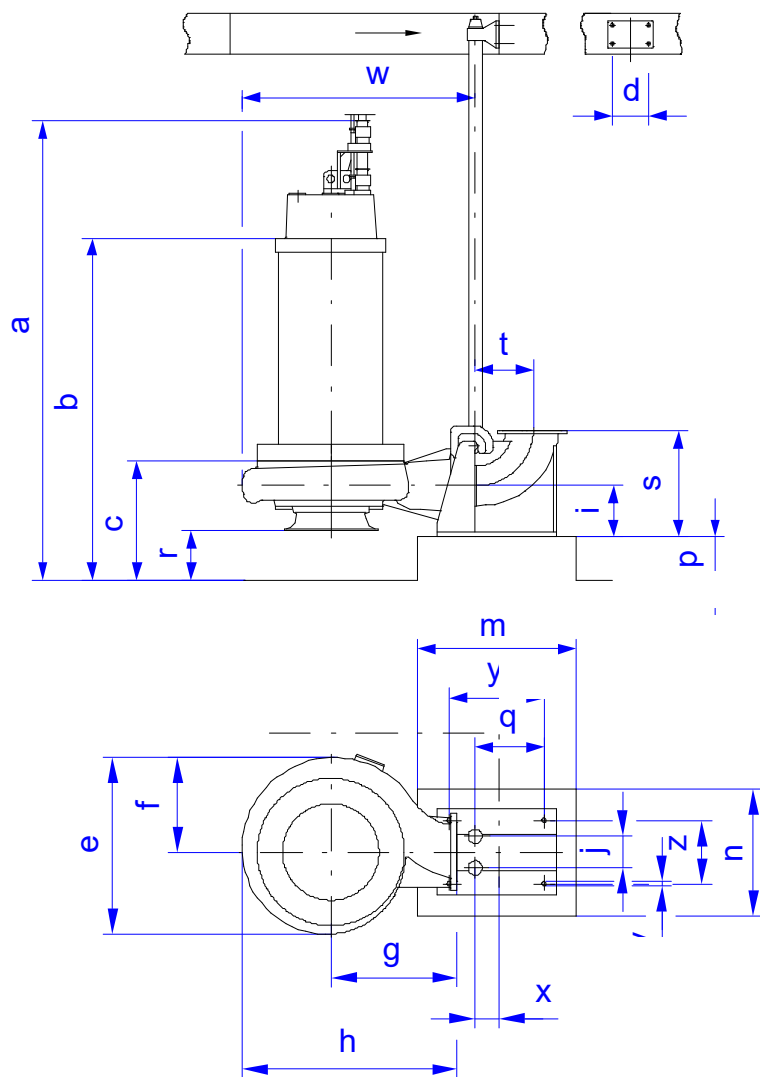
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Dimensions

Name	Value	Name	Value
a	1,658 mm	m	600 mm
b = min. water level	1,404 mm	n	650 mm
c	636 mm	p	250 mm
d	270 mm	q	135 mm
e	760 mm	r	272 mm
f	442 mm	s	600 mm
g	550 mm	t	378 mm
h	921 mm	v	25 mm
i	250 mm	w	1,020 mm
j	120 mm	x	105 mm

Connections

Suction port	DN250 PN10
Discharge port	DN250 PN10
Suspension device	DN250/2R