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Technical data

Rexa SUPRA-C15-95

With motor

T 24-6/16KE_x

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-C15-95
Installation type	Suspension device 1 DN150L/2RK
Free passage	80 mm
Nominal speed	950
Frequency	50 Hz
Impeller type	Single-channel
Impeller construction	Closed

Impeller Ø

designed	350 mm
standard	350 mm
Max.	350 mm
Min.	275 mm

Discharge port

Pressure rating	PN10
Rated diameter	DN150
Standard	EN1092-2-D

Suction port

Pressure rating	PN10
Rated diameter	DN200
Standard	EN1092-2-S

Weights

Weight	max.	161 kg
Weight of motor		185 kg
Weight of unit	max.	361 kg

Materials

Pump housing	EN-GJL-250
Stationary wear ring	1.4308
Impeller	EN-GJS-500-7
Mobile wear ring	1.4462/1.4470
Suction ports	EN-GJL-250

Motor

Motor name	T 24-6/16KE _x
Number of poles	6
Rated power	10 kW
Rated speed	960 1/min
Power input with rated power	12.2 kW
Rated voltage	400 ~3 V
Current input with rated power	21 A
Efficiency with rated power	82 %
cos phi with rated power	0.84
cos phi with starting	
Rated frequency	50 Hz
Operation type wet	S1
Operation type dry	
Starting current, direct starting	125 A
Starting current, star-delta	41.7 A
Starting torque	226 Nm
Inertia moment	0.0822 kg m ²
Degree of protection	IP 68
Sel. explosion protection	FM
Ex-designation	
Ex-number	
Motor connection cable	7x2,5 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	964.1 1/min
Max. flow	104.7 l/s
Head H(Q _{max})	4.8 m
Shut off head	23.4 m
Best efficiency point Q(BEP)	62.9 l/s
Best efficiency point H(BEP)	11 m

$$\text{Total efficiency} = \frac{P_2 * \text{Hydr. efficiency } \eta_{\text{hyd.}}}{P}$$

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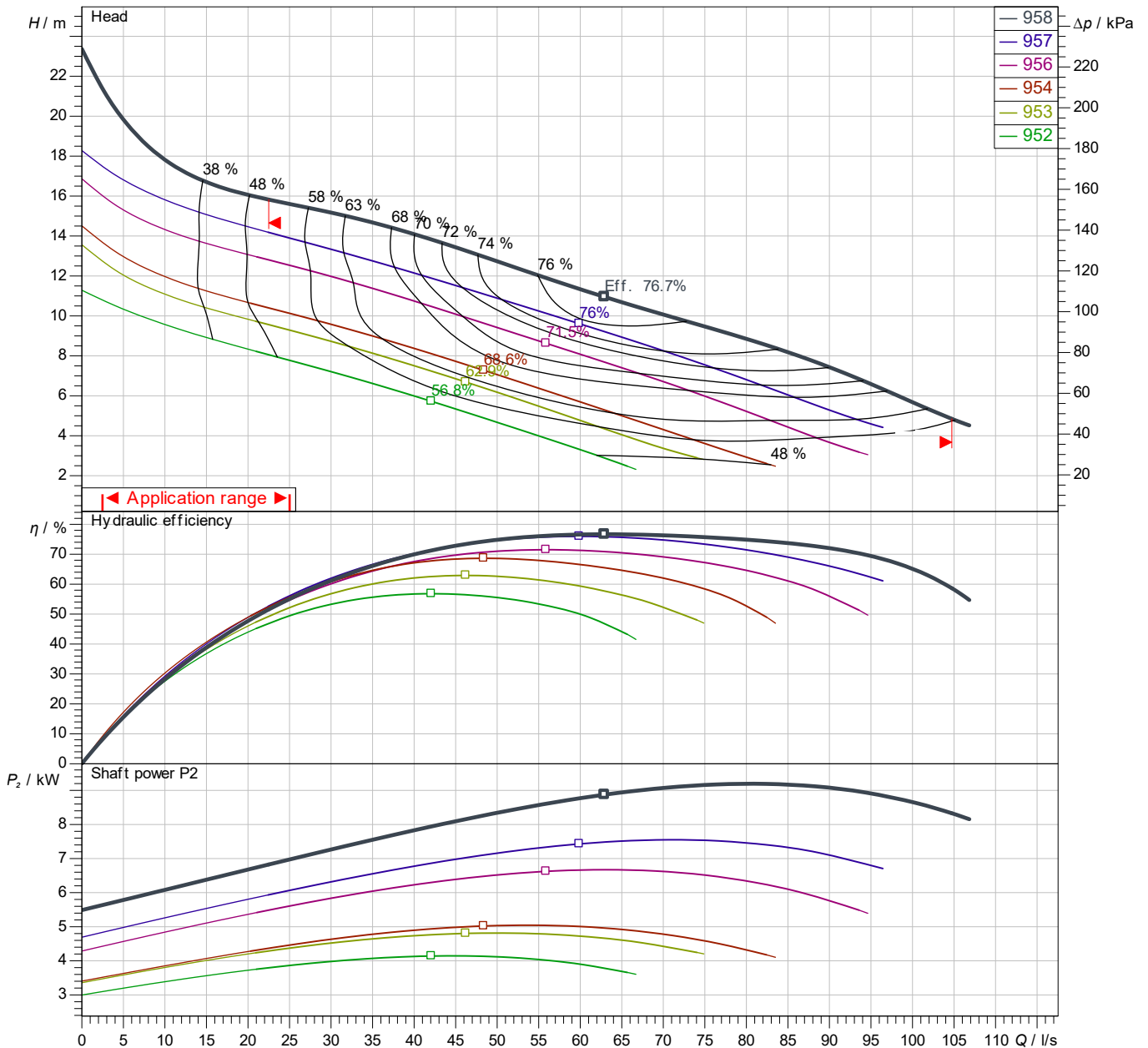
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Tender text

Submersible Sewage Pump as submersible, single-stage block unit in stationary, vertical installation to pump untreated sewage which doesn't attack the pump neither chemically nor mechanically. Pump with radially arranged discharge piece and axial pump intake. Service-friendly design by separated motor and pump casing. Pumping values to be guaranteed as per ISO 9906 Annex A



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	350 mm
Nominal speed		960 1/min
Frequency		50 Hz
Impeller type		Single-channel

Motor

Rated power	10 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	964 1/min

Dimensions

Rexa SUPRA-C15-95

With motor
T 24-6/16KEx

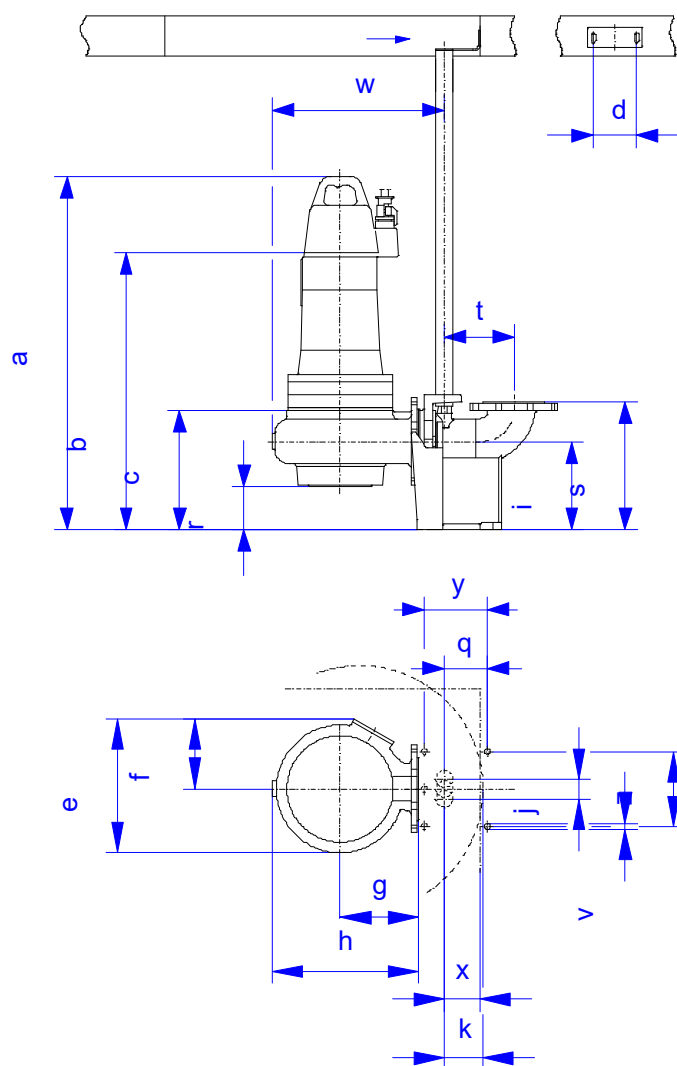
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Dimensions

Name	Value	Name	Value
a	1,285 mm	k	95 mm
b = min. water level	1,032 mm	q	149 mm
c	419 mm	r	150 mm
d	110 mm	s	465 mm
e	660 mm	t	220 mm
f	375 mm	v	19 mm
g	450 mm	w	858 mm
h	773 mm	x	90 mm
i	320 mm	y	210 mm
j	50 mm	z	240 mm

Connections

Suction port	DN200 PN10
Discharge port	DN150 PN10
Suspension device 1	DN150L/2RK