



Contact
E-mail
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Customer

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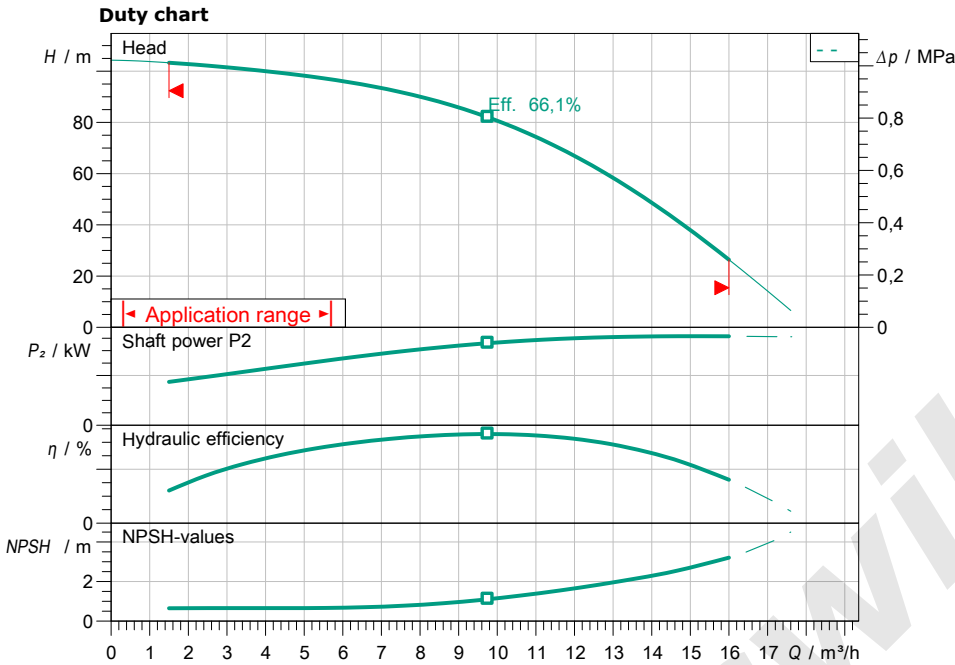
Technical data

High-pressure multistage centrifugal pump
Helix FIRST V 1010-5/16/E/S/400

Project name

Project ID
Installation location
Customer pos.no

Date 06.09.2018

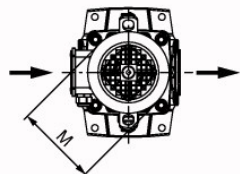
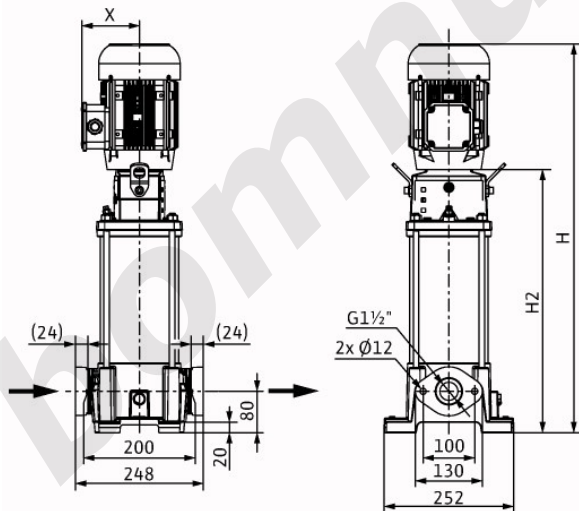
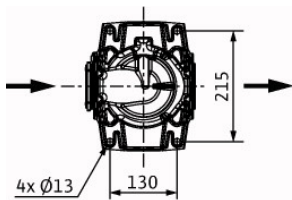


pump curves in accordance with ISO 9906, Appendix A

Dimensions

H	988
H2	682
Ø M	196
X	145

mm



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20,00 °C
Density	998,30 kg/m³
Kin. viscosity	1,00 mm²/s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump	
Helix FIRST V 1010-5/16/E/S/400-50	
Max. operating pressure	1,6 MPa
Inlet pressure max.	10 bar
Fluid temperature	-30 °C ... +120 °C
Max. ambient temperature	40 °C
Minimum Efficiency Index (MEI)	≥ 0.70

Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	±10 %
Max. speed	2900 1/min
Rated power P2	4,00 kW
Rated current	7,40 A
Power factor	0,87
Efficiency	50% / 75% / 100%
	86,5/88/88,1%
Degree of protection	IP 55
Insulation class	F
Motor protection	n0

Fitting dimensions

Pipe connection on the suction side	G 1½, PN 16
Pipe connection on the pressure side	G 1½, PN 16

Materials

pump housing	EN-GJL-250 (cataphoretic-coated)
Impeller	1.4307 [AISI304L]
Static seal	EPDM
pump shaft	1.4301 [AISI304]
Mechanical seal	Q1BE3GG

Information for order placements

Weight approx.	50 kg
Item number	4200960