

Company		Date	14/03/2023
Project		Item	
Pump	PCV-M 80-160-1K	Ref No.	

Liquid Data

Liquid	Water	Density	998.3 kg/m ³
Temperature	20 °C	Viscosity	1.005 mm ² /s
Vapor Pressure	100 kPa	pH Value	7

Operating Point Data

Capacity		Motor Power	0.75 kW
Head		Speed	1500 rpm
Efficiency (%)		Frequency	50 Hz
Power at Duty Point		Shut Off Head	5.51 m
Impeller Diameter	Ø 130		

Pump Data

Design	Vertical, single stage, wide volute casing, end suction pump		
Installation	Vertical	Direction Of Rotation	Clockwise from the drive end
Discharge Flange	EN 1092 PN10	Impeller construction	
Free Passage	50 mm	Pump Weight	0 kg

Shaft Sealing

Type			
Make			

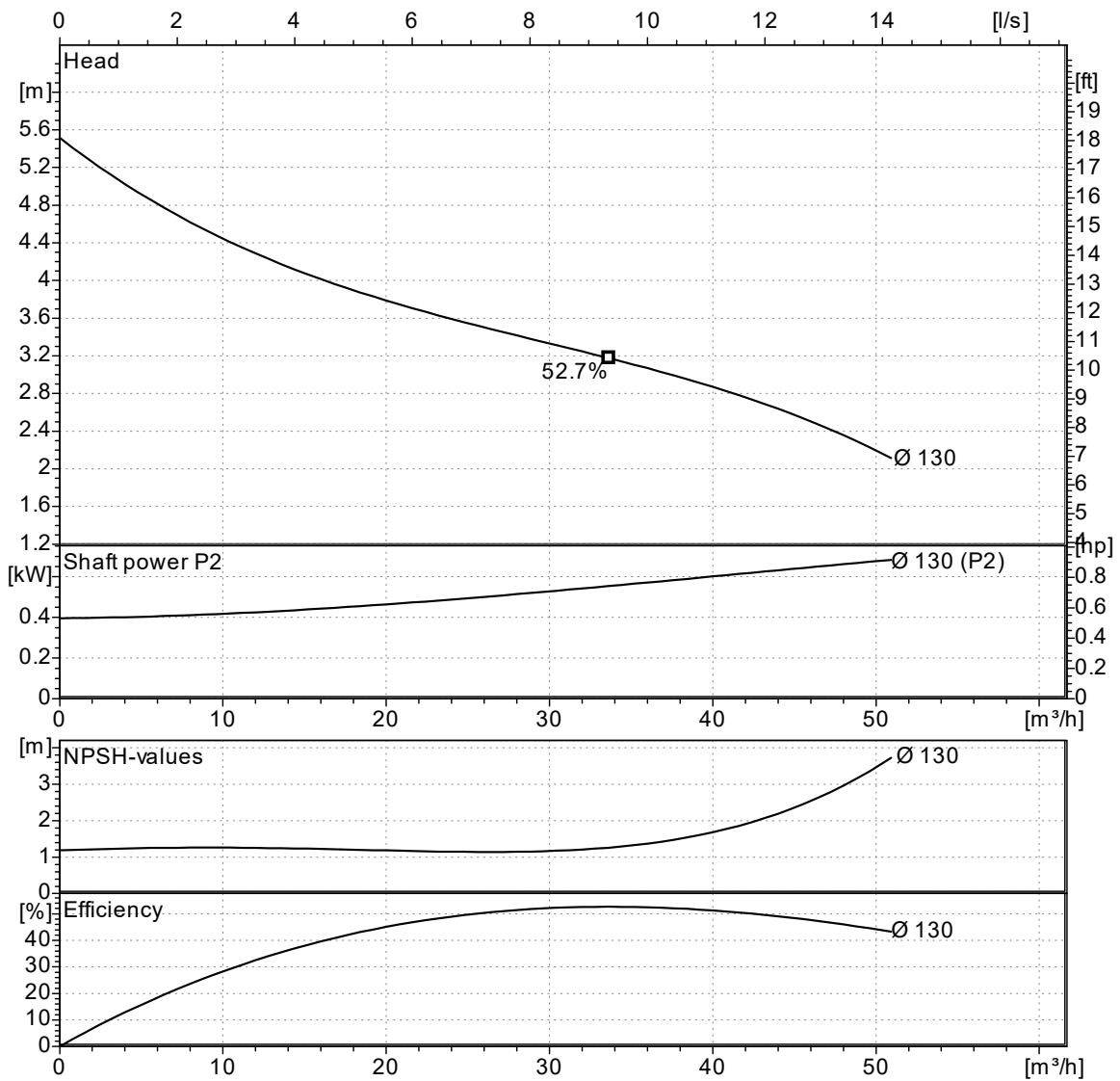
Materials

Volute Casing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Casing Cover	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Impeller	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Shaft	1.0503 / C45 / AISI 1045
Bearing Housing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Spacer Sleeve	1.0503 / C45 / AISI 1045

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Operating Point Data

Capacity:	Density:	998.3 kg/m ³
Head:	Motor Power:	0.75 kW
Efficiency (%):	Speed:	1500 rpm
Power at Duty Point:	Frequency:	50 Hz
Free Passage: 50 mm	Max. Shaft Power:	0.7 kW



Curves are per ISO 9906:2012 Gr 3B

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Motor Data			
		Frequency	50 Hz
Motor Name	0,75 kW-80	Motor Phase	3
Motor Power	0.8 kW	Service Factor	1.1
Line Power (P1)		Insulation Class	F
Motor Power (P2)	0.75 kW	Degree of Protection	IP 55
Rated Speed	1450 rpm	Cos phi	0
Rated Voltage	400 V	Efficiency	- %
Rated Current	0.00 A		--

Name	Value