

Company		Date	20/03/2023
Project		Item	
Pump	PCV-M 300-400AB-3K	Ref No.	

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

Operating Point Data			
Capacity		Motor Power	250.00 kW
Head		Speed	1500 rpm
Efficiency (%)		Frequency	50 Hz
Power at Duty Point		Shut Off Head	63.63 m
Impeller Diameter	424/424		

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	107 mm	Pump Weight	0 kg

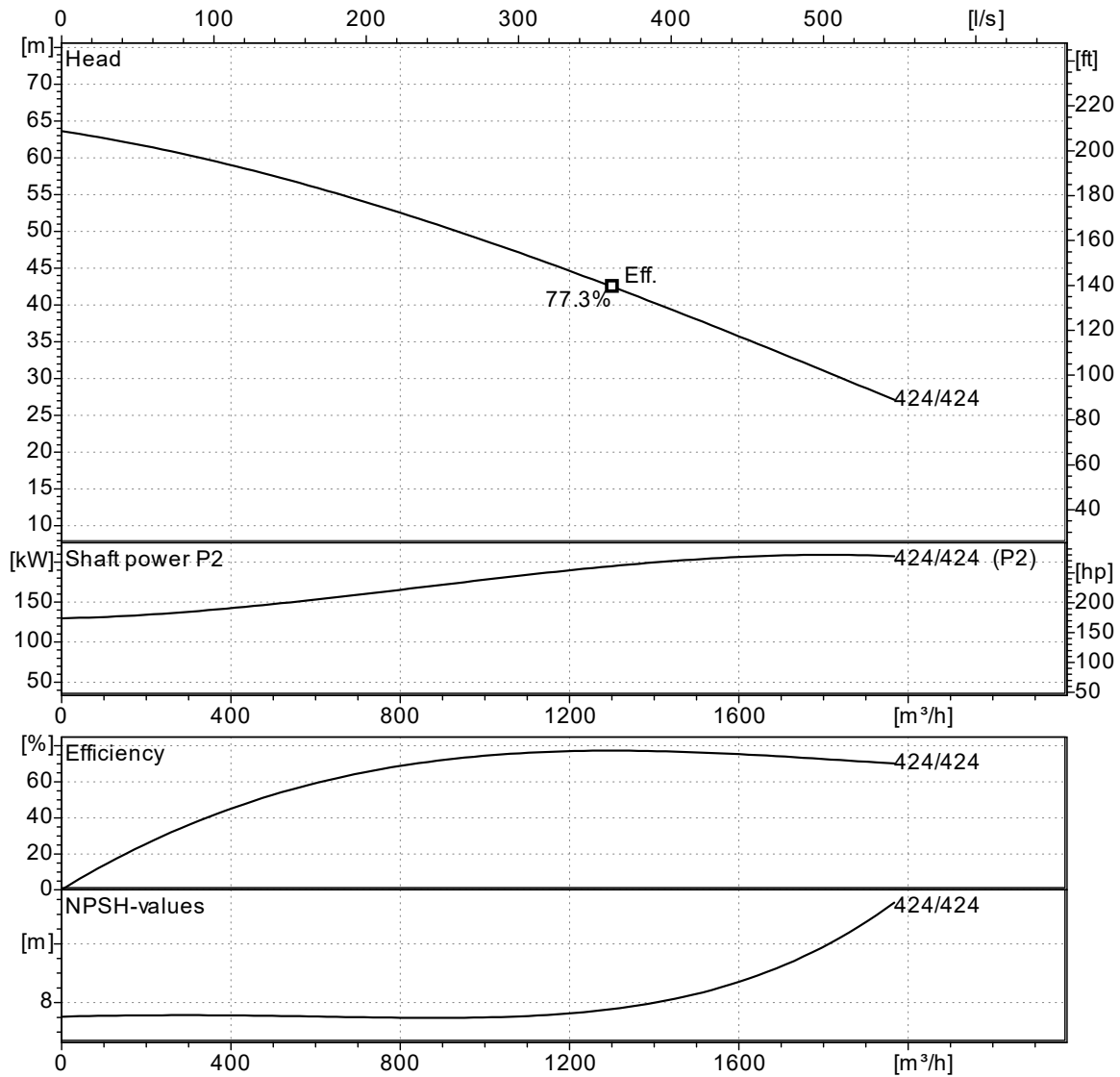
Shaft Sealing			
Type			
Make			

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 <sup>3</sup>
Head:	Motor Power:	250.00 kW
Efficiency (%):	Speed:	1500 rpm
Power at Duty Point:	Frequency:	50 Hz
Free Passage: 107 mm	Max. Shaft Power:	208.9 kW



Curves are per ISO 9906:2012 Gr 3B

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Motor Data			
		Frequency	50 Hz
Motor Name	250 kW-355 M 4	Motor Phase	3
Motor Power	250.0 kW	Service Factor	1.1
Line Power (P1)		Insulation Class	F
Motor Power (P2)	250.00 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