



Technical Data

Project Name : Untitled project 2025-03-22 10:19:23.013

Project ID :

Company Name :
Department :
Phone number :
e-mail address :

Requested Data

Flow : 395.7 m³/h
Head : 52.15 m

Fluid : Water
Density : 0.9983 kg/dm³
Viscosity : 1.005 mm²/s
Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 150/400
Inlet / Outlet size : 200x150
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 408.8 mm
Min.Impeller Diameter : 327.2 mm
Max.Impeller Diameter : 409 mm
Maximum Solid Size : 41 mm
Pump Weight (Approx) : 206.4 kg
Pump Standard : EN 733

Flow : 395.7 m³/h
Head : 52.15 m
Shutoff Head : 60.13 m
Shaft Power (BkW) : 67.63 kW
End of Power curve : 77.48 kW
Efficiency : 83.1 %
NPSHr Value : 3.709 m
Moment of Inertia : 1.978 kg m²
Operating Pressure : 5.107 bar
Maximum Allowable Pressure : 5.889 bar
Minimum Continuous Flow : 118.1 m³/h

Motor

Frequency :
Phase :
Rated Voltage :
Rated current :
Rated Power P2 :

Speed :
Degree of Protection :
Insulation Class :
Frame size :

Material of Construction

Flange Connections

Casing : CI FG 260
Impeller : CI FG 220
Shaft : SS 410
Shaft Sleeve : SS 410
Stuffing Box : CI FG 260
Wear Ring : CI FG 200
Bearing Frame : CI FG 220
Shaft seal : GLAND PACKING

Suction Flange
Pressure rating : 16 bar
Nominal pipe size : 200
Standard : PN 16

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 150
Standard : PN 16



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Performance Curve

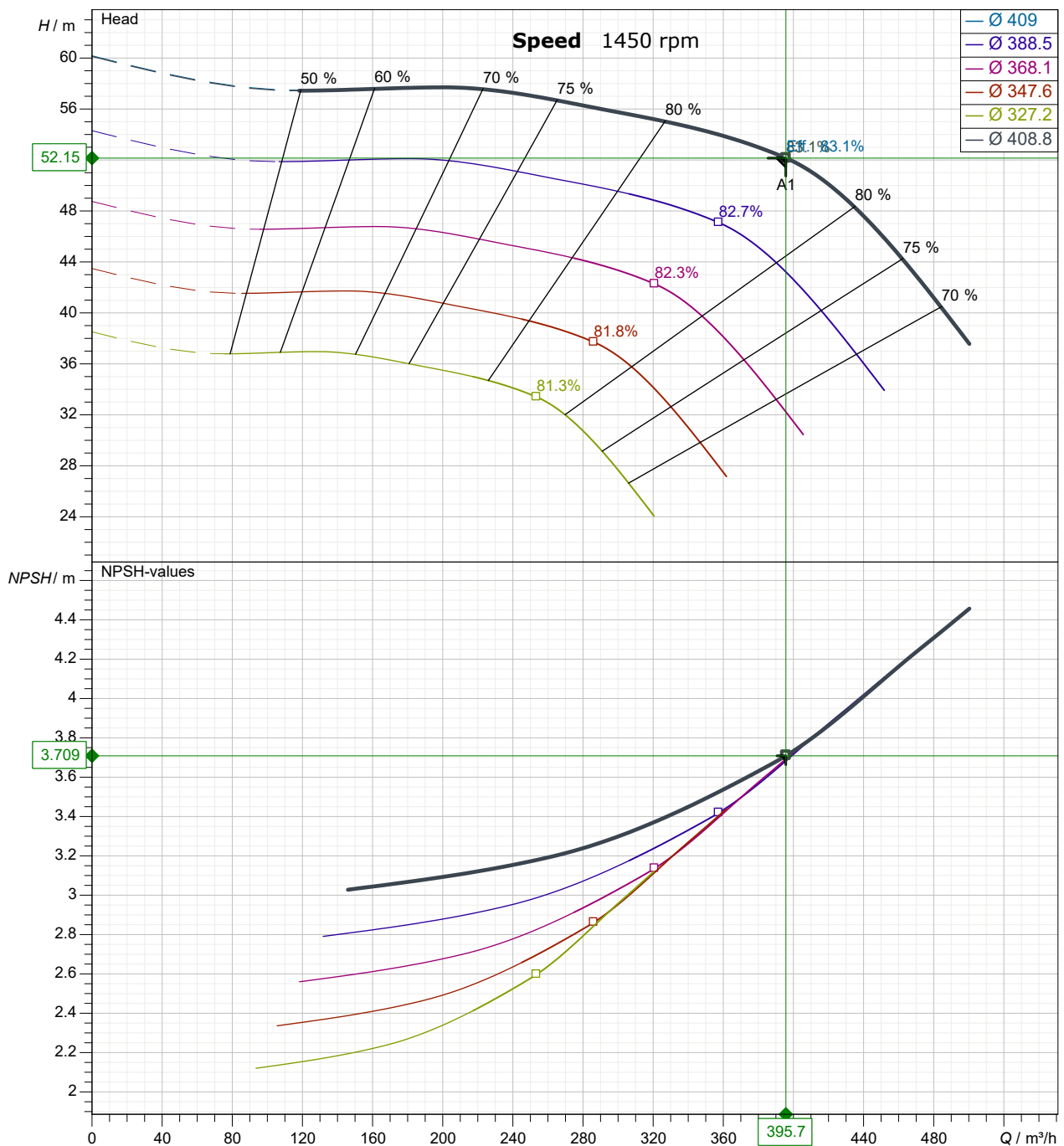
Pump Model
ECW 150/400

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Curve Tolerance ISO 9906 Grade 2B



Note:

- i. Performance is not guaranteed except for the rated point.
 - ii. Curves specified are as per Specific gravity and viscosity of water 1.0,
 - iii. Consider NPSH safety margin minimum of 0.5m .
- To select the motor size, read the value of the Power curve at the duty point



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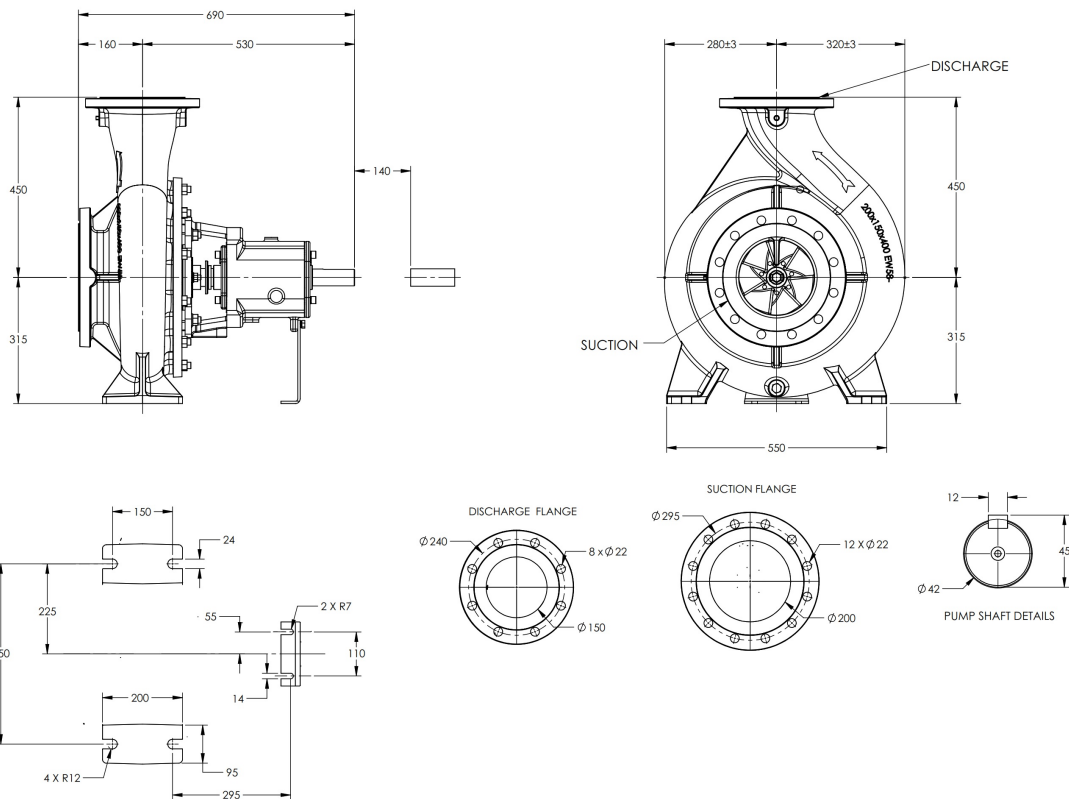
Dimensional Drawing

Pump Model
ECW 150/400

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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

				H.D-Discharge	23
				H.D-Suction	23
				No.of Holes-Discharge	8
				No.of Holes-Suction	12
				Nominal Size (ØA)	200
				Nominal Size (ØB)	150
				P.C.D-Discharge	240
				P.C.D-Suction	295