



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 : 307.5 m ³ /h	Fluid : Water
Head : 33.09 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 125/315	Flow : 307.2 m ³ /h
Inlet / Outlet size : 150x125	Head : 33.02 m
Speed : 1450 1/min	Shutoff Head : 39.6 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 35.59 kW
Impeller type : Radial impeller	End of Power curve : 40.61 kW
Impeller Diameter : 340 mm	Efficiency : 77.6 %
Min.Impeller Diameter : 272 mm	NPSHr Value : 3.934 m
Max.Impeller Diameter : 340 mm	Moment of Inertia : 1.598 kg m ²
Maximum Solid Size : 35 mm	Operating Pressure : 3.234 bar
Pump Weight (Approx) : 152 kg	Maximum Allowable Pressure : 3.878 bar
Pump Standard : EN 733	Minimum Continuous Flow : 91.8 m ³ /h

Motor

Frequency :	Speed :
Phase :	Degree of Protection :
Rated Voltage :	Insulation Class :
Rated current :	Frame size :
Rated Power P2 :	

Material of Construction

Flange Connections

Casing : ASTM A743 / A351 CF8	Suction Flange
Impeller : ASTM A743 / A351 CF8	Pressure rating : 16 bar
Stuffing Box : ASTM A743 / A351 CF8	Nominal pipe size : 150
Wear Ring : ASTM A743 / A351 CF8	Standard : PN 16
Bearing Frame : ASTM A48 class 30B	
Shaft : ASTM A276 AISI 304	Discharge Flange
Shaft Sleeve : ASTM A276 AISI 304	Pressure rating : 16 bar
Shaft seal : GLAND PACKING	Nominal pipe size : 125
	Standard : PN 16



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Performance Curve

Pump Model
ECW 125/315

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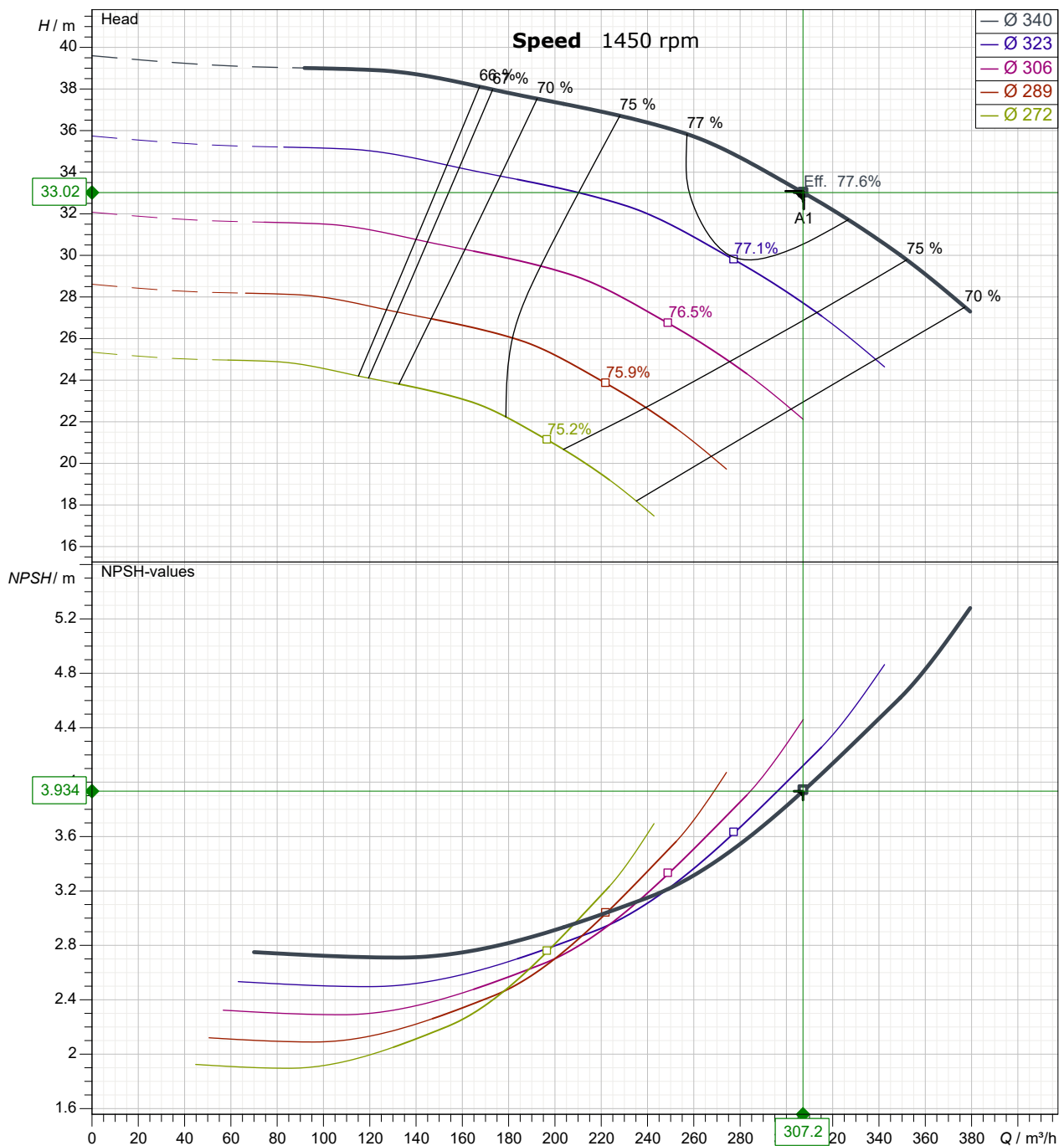
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Curve Tolerance ISO 9906 Grade 2B



Note:

- Performance is not guaranteed except for the rated point.
 - Curves specified are as per Specific gravity and viscosity of water 1.0,
 - 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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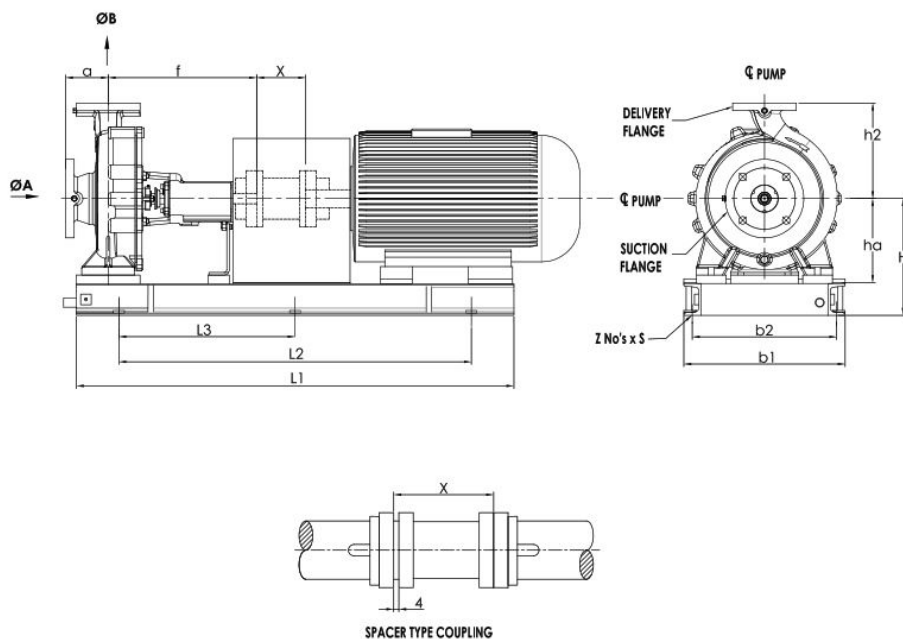
Dimensional Drawing

Pump Model
ECW 125/315

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

Dimensions in mm

a	140			H.D-Discharge	19
b1	550			H.D-Suction	23
b2	520			No.of Holes-Discharge	8
f	530			No.of Holes-Suction	8
H	405			Nominal Size (ØA)	150
h2	355			Nominal Size (ØB)	125
hA	305			P.C.D-Discharge	210
L1	1280			P.C.D-Suction	240
L2	1070				
L3	540				
Ø A	150				
Ø B	125				
S	18				
X	140				
Z	6				