



C.R.I. PUMPS
Pumping trust. Worldwide.

Technical Data

Pump Model
ECW 65/250

Project Name : Untitled project 2025-10-06 11:23:56.682	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 120.3 m³/h	Fluid : Water
Head : 85.03 m	Density : 0.9983 kg/dm³
	Viscosity : 1.005 mm²/s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 65/250	Flow : 120.3 m³/h
Inlet / Outlet size : 80x65	Head : 85.03 m
Speed : 2900 1/min	Shutoff Head : 91.78 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 38.45 kW
Impeller type : Radial impeller	End of Power curve : 49.13 kW
Impeller Diameter : 259.9 mm	Efficiency : 72.44 %
Min.Impeller Diameter : 221 mm	NPSHr Value : 4.514 m
Max.Impeller Diameter : 260 mm	Moment of Inertia : 0.421 kg m²
Maximum Solid Size : 8 mm	Operating Pressure : 8.327 bar
Pump Weight (Approx) : 79 kg	Maximum Allowable Pressure : 8.988 bar
Pump Standard : EN 733	Minimum Continuous Flow : 35.96 m³/h

Motor

Frequency : 50 Hz	Speed : 2965 1/min
Phase : 3~	Degree of Protection : IP 55
Rated Voltage : 400 V	Insulation Class : F
Rated current : 78.9 A	Frame size : 225 M
Rated Power P2 : 45 kW	

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 : 80
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 : 65
	Standard : PN 16



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Performance Curve

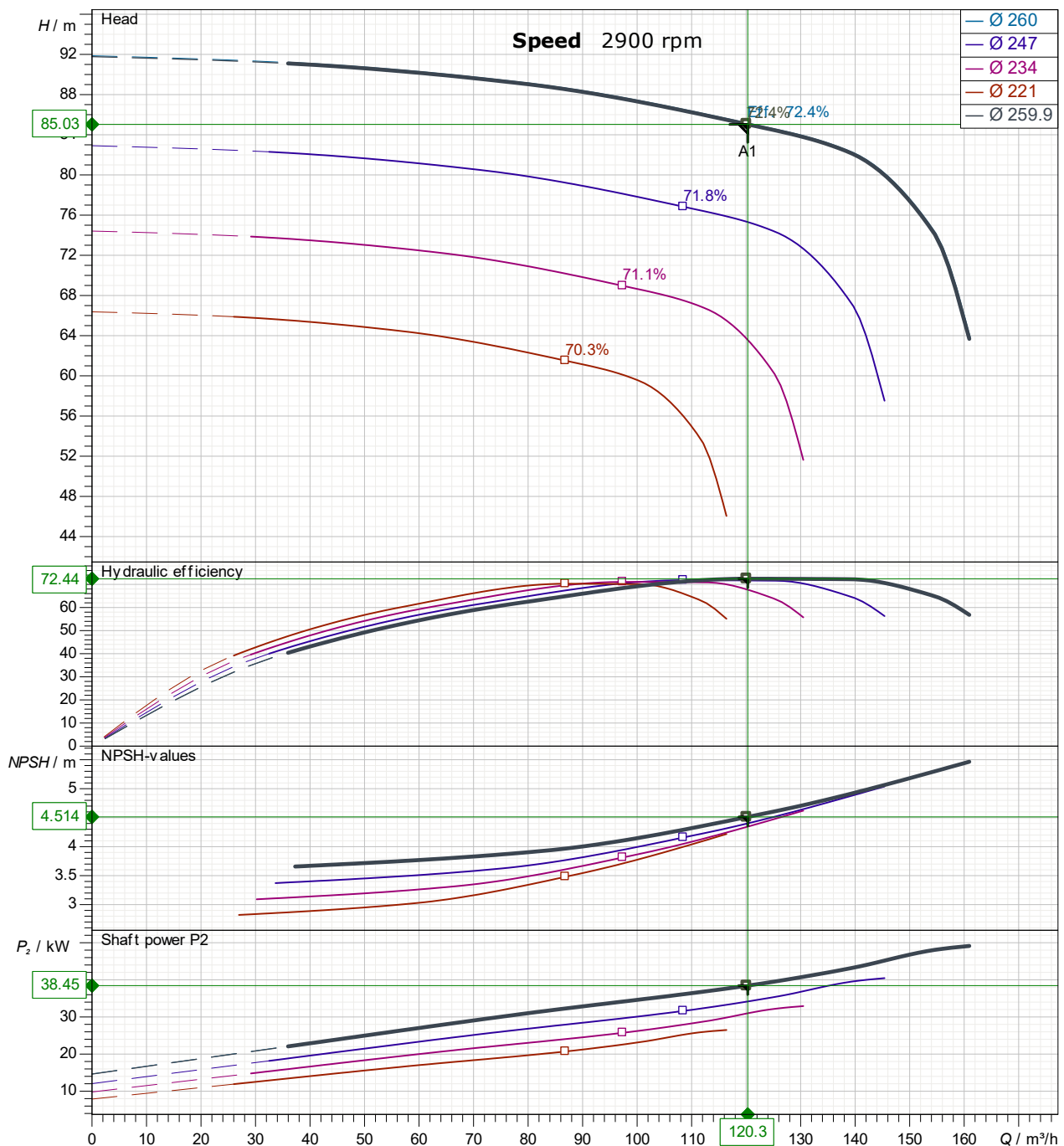
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Curve Tolerance ISO 9906 Grade 2B



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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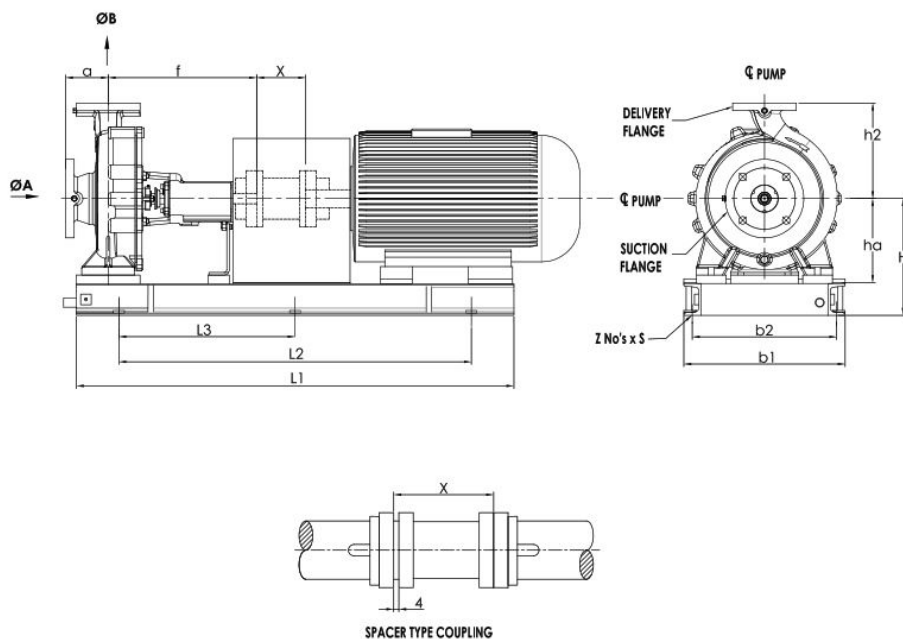
Dimensional Drawing

Pump Model
ECW 65/250

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

Dimensions in mm

a	100			H.D(Delivery)	19
b1	510			H.D(Suction)	19
b2	480			No.of Holes-Discharge	4
f	470			No.of Holes-Suction	8
H	350			Nominal Size (ØA)	80
h2	250			Nominal Size (ØB)	65
hA	220			P.C.D(Delivery)	145
L1	1435			P.C.D(Suction)	160
L2	1235				
L3	617.5				
Ø A	80				
Ø B	65				
S	18				
X	140				
Z	6				