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

Technical Data

Pump Model
ECW 65/315

Project Name	: Untitled project 2025-03-22 10:19:23.013	**Project ID** :	
Company Name	:		
Department	:		
Phone number	:		
e-mail address	:		

Requested Data

Flow	: 89.82 m³/h	**Fluid**	: Water
Head	: 34.14 m	**Density**	: 0.9983 kg/dm³
		Viscosity	: 1.005 mm²/s
		Temperature	: 20 °C

Pump

Pump Model	: ECW 65/315
Inlet / Outlet size	: 80x65
Speed	: 1450 1/min
Direction of Rotation	: Clockwise from the drive end
Impeller type	: Radial impeller
Impeller Diameter	: 320 mm
Min.Impeller Diameter	: 256 mm
Max.Impeller Diameter	: 320 mm
Maximum Solid Size	: 15.5 mm
Pump Weight (Approx)	: 98 kg
Pump Standard	: EN 733

Operating Data

Flow	: 89.34 m³/h
Head	: 33.78 m
Shutoff Head	: 36.4 m
Shaft Power (BkW)	: 11.67 kW
End of Power curve	: 13.67 kW
Efficiency	: 69.75 %
NPSHr Value	: 2.299 m
Moment of Inertia	: 0.965 kg m²
Operating Pressure	: 3.308 bar
Maximum Allowable Pressure	: 3.565 bar
Minimum Continuous Flow	: 26.85 m³/h

Motor

Frequency	: 50 Hz	**Speed**	: 1455 1/min
Phase	: 3~	**Degree of Protection**	: IP 55
Rated Voltage	: 415 V	**Insulation Class**	: F
Rated current	: 27.5 A	**Frame size**	: 160 L
Rated Power P2	: 15 kW		

Material of Construction

Casing	ASTM A743 / A351 CF8
Impeller	ASTM A743 / A351 CF8
Stuffing Box	ASTM A743 / A351 CF8
Wear Ring	ASTM A743 / A351 CF8
Bearing Frame	ASTM A48 class 30B
Shaft	ASTM A276 AISI 304
Shaft Sleeve	ASTM A276 AISI 304
Shaft seal	GLAND PACKING

Flange Connections

Suction Flange

Pressure rating	: 16 bar
Nominal pipe size	: 80
Standard	: PN 16

Discharge Flange

Pressure rating	: 16 bar
Nominal pipe size	: 65
Standard	: PN 16

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Performance Curve

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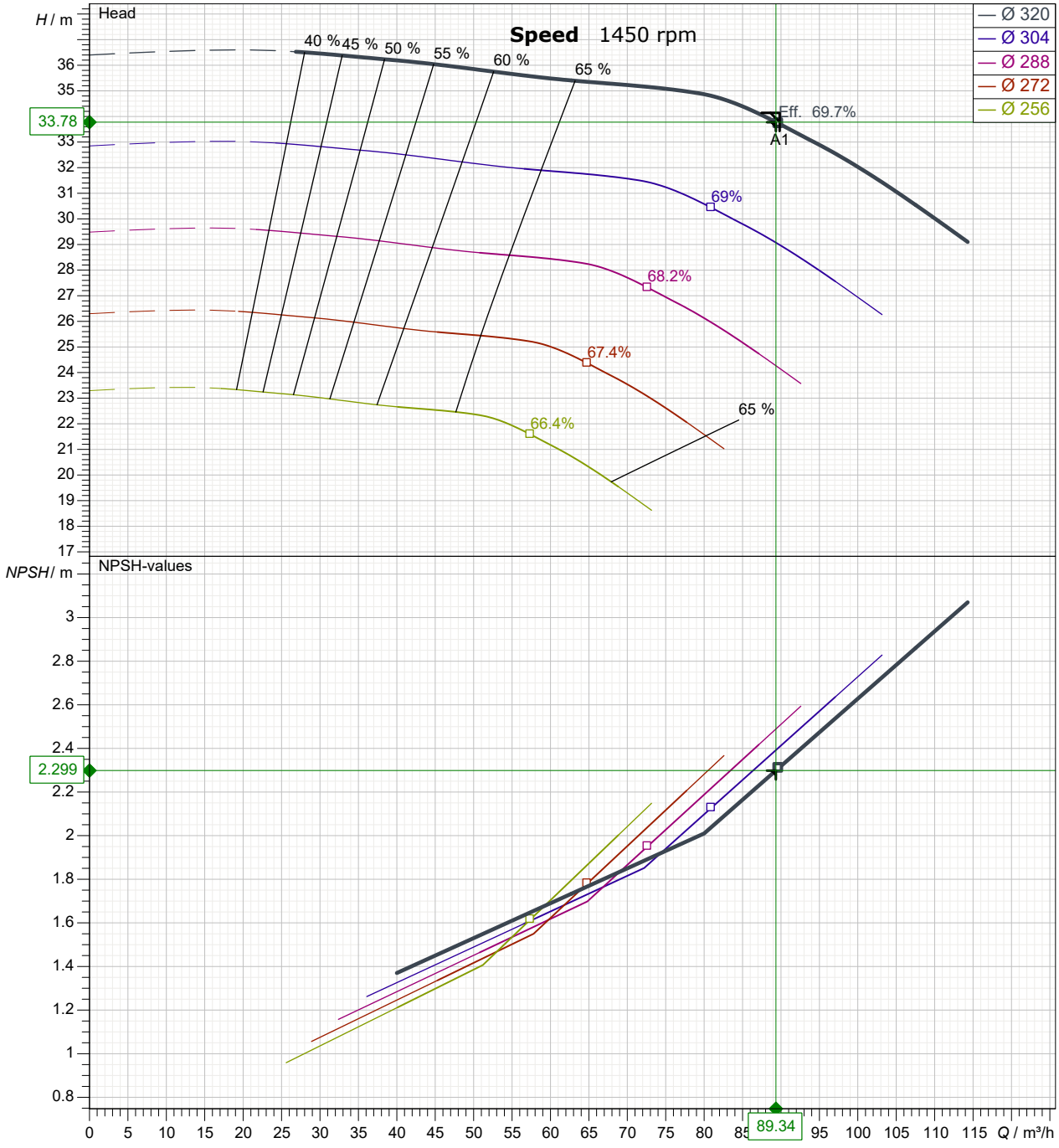
Curve Tolerance ISO 9906 Grade 2B



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 65/315

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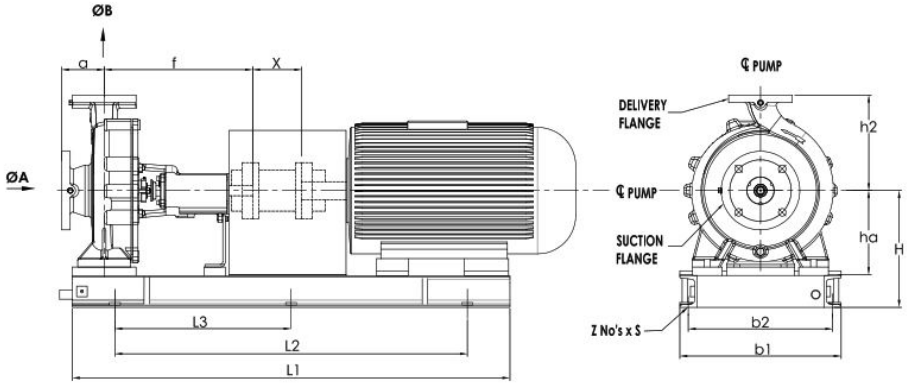

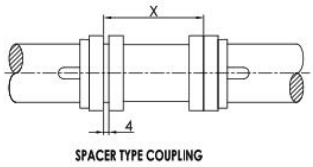

SPACER TYPE COUPLING

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

Dimensions in mm

a	125			H.D(Delivery)	19
h2	280			H.D(Suction)	19
hA	245			No.of Holes-Discharge	4
Ø A	80			No.of Holes-Suction	8
Ø B	65			Nominal Size (ØA)	80
				Nominal Size (ØB)	65
				P.C.D(Delivery)	145
				P.C.D(Suction)	160