



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

Technical Data

Pump Model
ECW 50/315

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

Requested Data

Flow : 62.42 m ³ /h	Fluid : Water
Head : 30.03 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 50/315	Flow : 62.3 m ³ /h
Inlet / Outlet size : 65x50	Head : 29.92 m
Speed : 1450 1/min	Shutoff Head : 36 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 7.634 kW
Impeller type : Radial impeller	End of Power curve : 8.576 kW
Impeller Diameter : 323 mm	Efficiency : 66.5 %
Min.Impeller Diameter : 258 mm	NPSHr Value : 4.433 m
Max.Impeller Diameter : 323 mm	Moment of Inertia : 0.983 kg m ²
Maximum Solid Size : 26 mm	Operating Pressure : 2.93 bar
Pump Weight (Approx) : 93 kg	Maximum Allowable Pressure : 3.526 bar
Pump Standard : EN 733	Minimum Continuous Flow : 18.57 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 : 65
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 : 50
	Standard : PN 16



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Performance Curve

Pump Model
ECW 50/315

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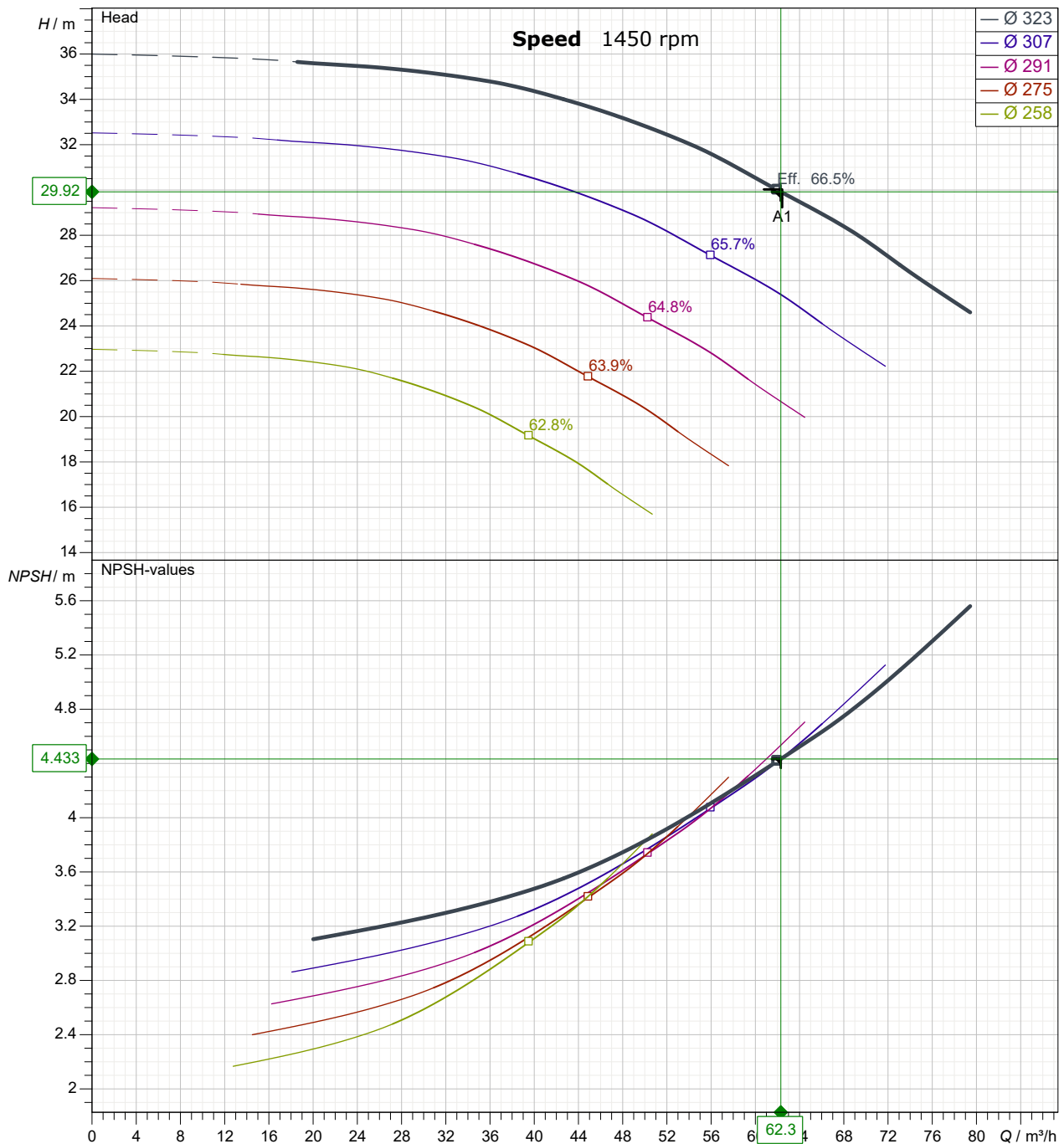
Company Name :

Department :

Phone number :

e-mail address :

Curve Tolerance ISO 9906 Grade 2B



Note:

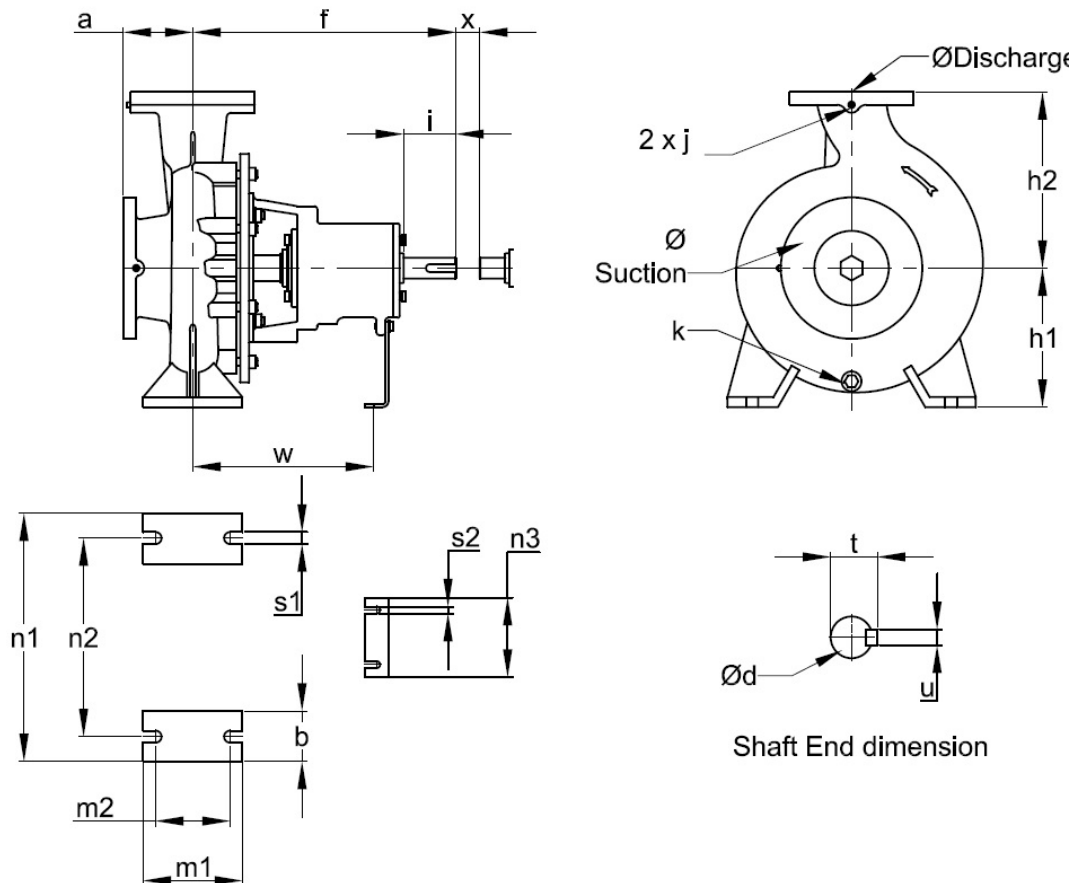
- Performance is not guaranteed except for the rated point.
 - Curves specified are as per Specific gravity and viscosity of water 1.0,
 - Consider NPSH safety margin minimum of 0.5m .
- To select the motor size, read the value of the Power curve at the duty point



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

Dimensions in mm

a	125	t	34	H.D(Delivery)	19
b	65	u	10	H.D(Suction)	19
d	32	w	340	No.of Holes-Discharge	4
f	470	x	100	No.of Holes-Suction	4
h1	225			Nominal Size (ØA)	65
h2	280			Nominal Size (ØB)	50
i	102			P.C.D(Delivery)	125
m1	125			P.C.D(Suction)	145
m2	95				
m3	48				
n1	345				
n2	280				
n3	110				
n4	160				
s1	14				
s2	14				