



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

Technical Data

Pump Model
ECW 32/160

Project Name : Untitled project 2025-03-19 21:45:46.331	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 17.94 m ³ /h	Fluid : Water
Head : 8.001 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 32/160	Flow : 17.87 m ³ /h
Inlet / Outlet size : 50x32	Head : 7.94 m
Speed : 1450 1/min	Shutoff Head : 10.4 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 0.6281 kW
Impeller type : Radial impeller	End of Power curve : 0.74 kW
Impeller Diameter : 170 mm	Efficiency : 61.46 %
Min.Impeller Diameter : 136 mm	NPSHr Value : 3.679 m
Max.Impeller Diameter : 170 mm	Moment of Inertia : 0.074 kg m ²
Maximum Solid Size : 6.5 mm	Operating Pressure : 0.7775 bar
Pump Weight (Approx) : 34 kg	Maximum Allowable Pressure : 1.019 bar
Pump Standard : EN 733	Minimum Continuous Flow : 5.37 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 : 50
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 : 32
	Standard : PN 16



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Performance Curve

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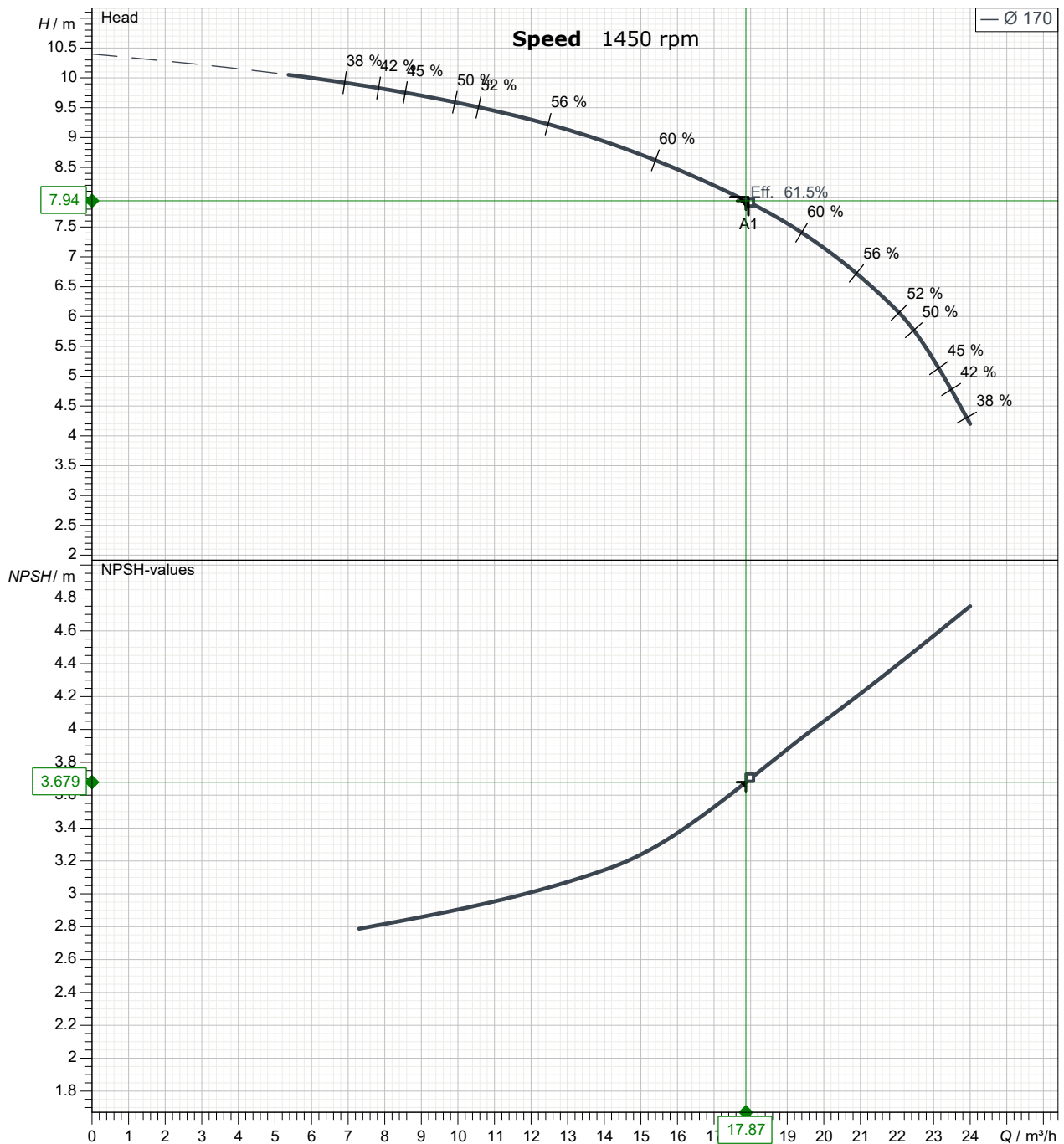
Company Name :

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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Dimensional Drawing

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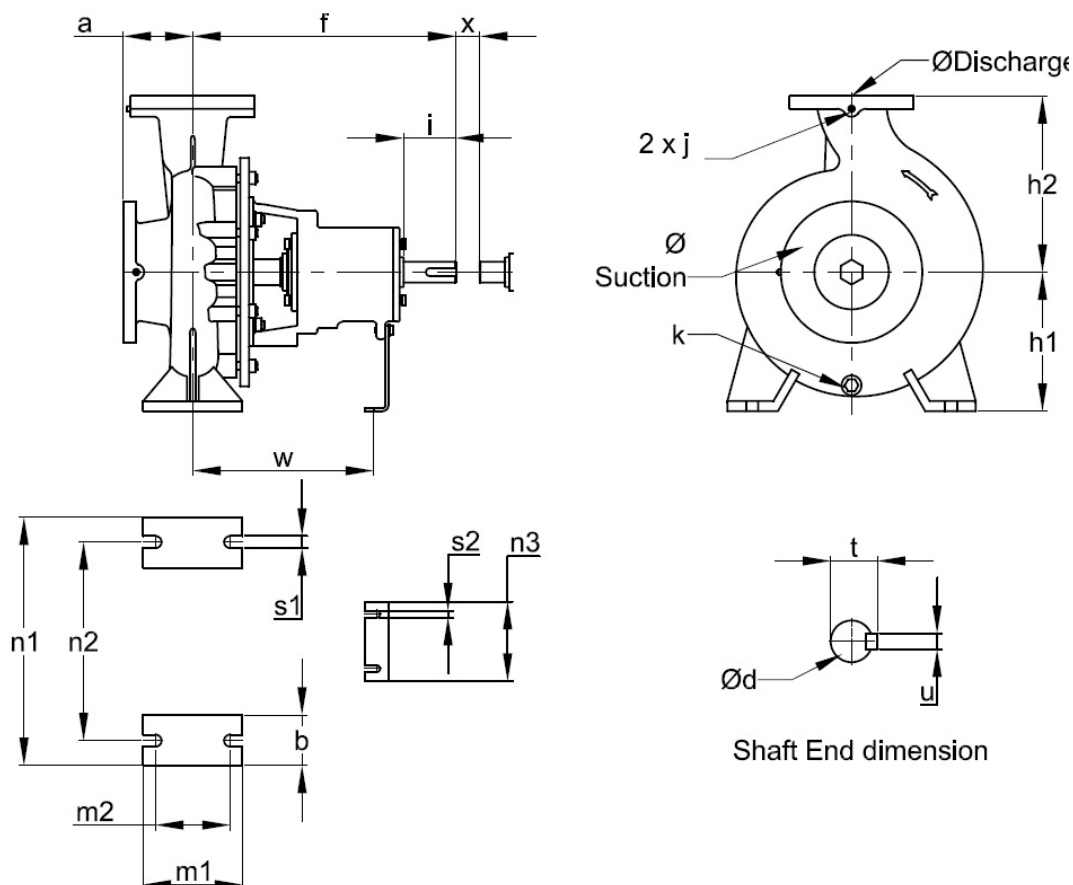
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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

a	80	t	25.6	H.D(Delivery)	19
b	50	u	8	No.of Holes-Discharge	4
d	24	w	260	No.of Holes-Suction	4
f	360	x	100	Nominal Size (ØA)	50
h1	132			Nominal Size (ØB)	32
h2	160			P.C.D(Delivery)	100
i	50			P.C.D(Suction)	125
m1	100				
m2	70				
m3	48				
n1	240				
n2	190				
n3	110				
n4	160				
s1	14				
s2	14				