



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

Technical Data

Pump Model
ECW 150/250

Project Name : Untitled project 2025-03-22 10:19:23.013

Project ID :

Company Name :
Department :
Phone number :
e-mail address :

Requested Data

Flow : 419.9 m³/h
Head : 19.1 m

Fluid : Water
Density : 0.9983 kg/dm³
Viscosity : 1.005 mm²/s
Temperature : 20 °C

Pump

Pump Model : ECW 150/250
Inlet / Outlet size : 200x150
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 273 mm
Min.Impeller Diameter : 246 mm
Max.Impeller Diameter : 273 mm
Maximum Solid Size : 33 mm
Pump Weight (Approx) : 120 kg
Pump Standard : EN 733

Operating Data

Flow : 419.1 m³/h
Head : 19.02 m
Shutoff Head : 22.7 m
Shaft Power (BkW) : 24.88 kW
End of Power curve : 29 kW
Efficiency : 87.28 %
NPSHr Value : 4.587 m
Moment of Inertia : 0.859 kg m²
Operating Pressure : 1.863 bar
Maximum Allowable Pressure : 2.223 bar
Minimum Continuous Flow : 125.7 m³/h

Motor

Frequency : 50 Hz
Phase : 3~
Rated Voltage : 415 V
Rated current : 54 A
Rated Power P2 : 30 kW

Speed : 1465 1/min
Degree of Protection : IP 55
Insulation Class : F
Frame size : 200 L

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 : 200
Standard : PN 16

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 150
Standard : PN 16

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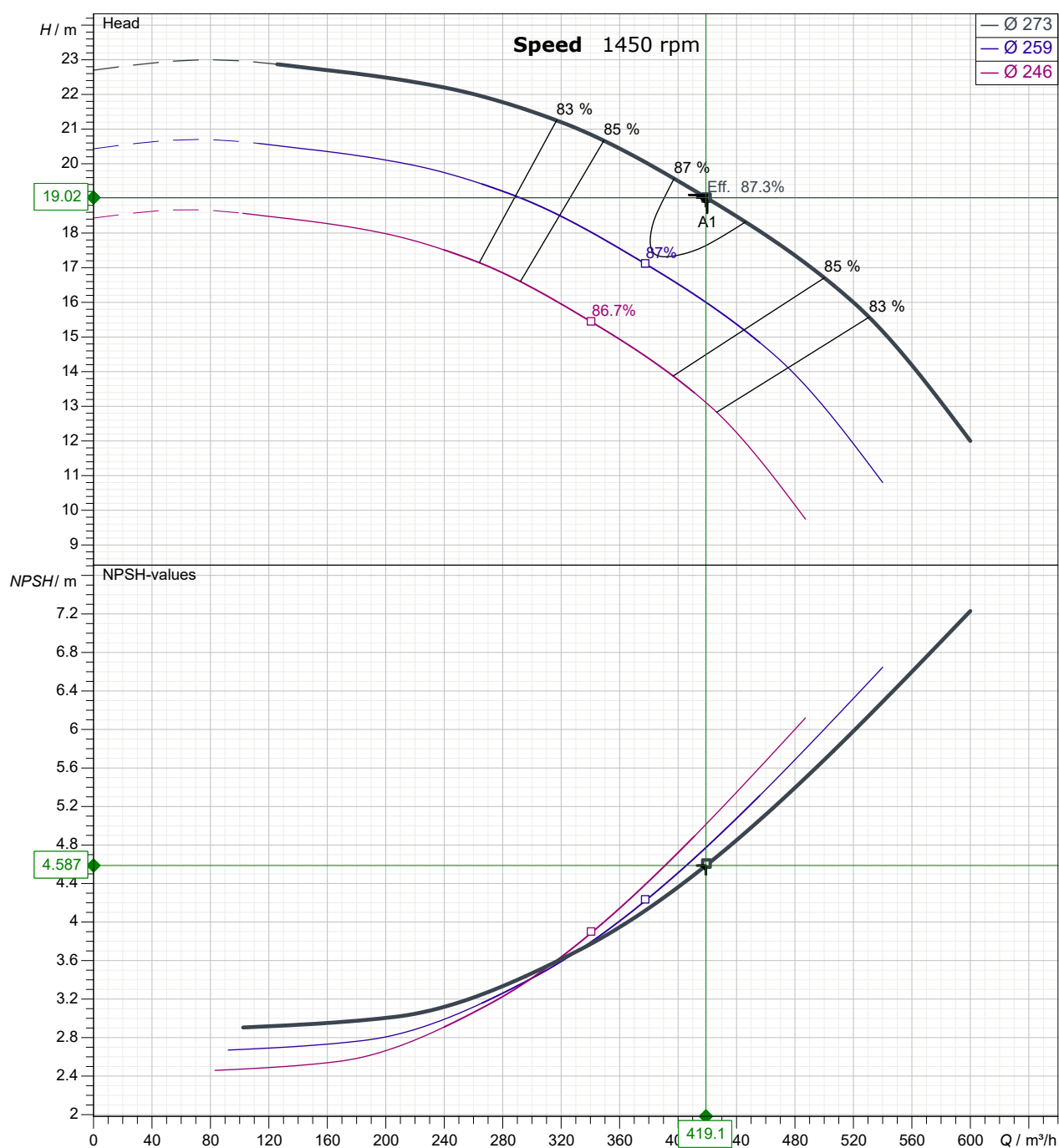
Company Name :

Department :

Phone number :

e-mail address :

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 150/250

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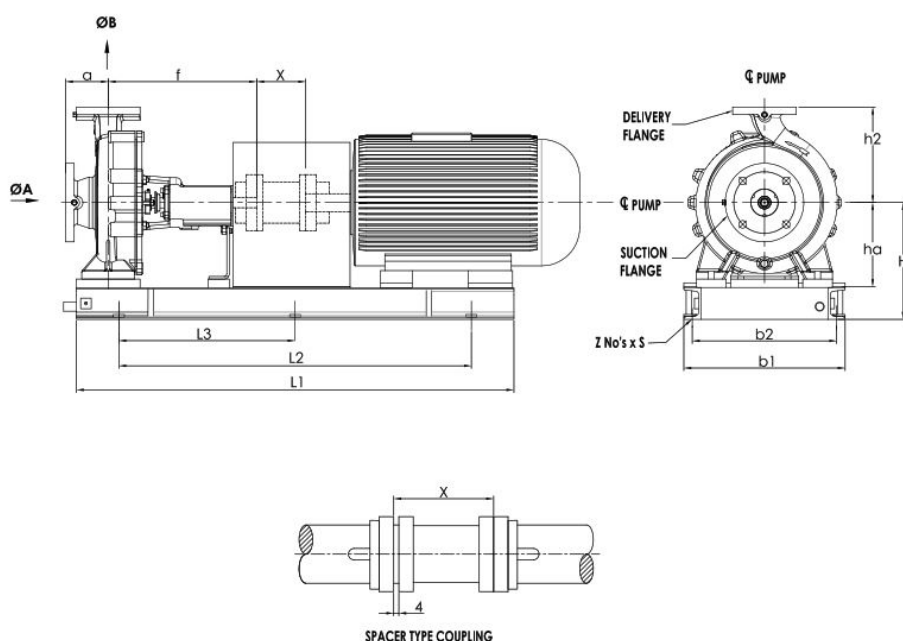
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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

a	160			H.D-Discharge	23
b1	550			H.D-Suction	23
b2	520			No.of Holes-Discharge	8
f	470			No.of Holes-Suction	12
H	405			Nominal Size (ØA)	200
h2	400			Nominal Size (ØB)	150
hA	305			P.C.D-Discharge	240
L1	1300			P.C.D-Suction	295
L2	1100				
L3	550				
Ø A	200				
Ø B	150				
S	18				
X	140				
Z	6				