



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

Technical Data

Pump Model
ECW 125/200

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

Project ID :

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

Requested Data

Flow : 281.1 m³/h
Head : 11.77 m

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

Pump

Operating Data

Pump Model : ECW 125/200
Inlet / Outlet size : 150x125
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 230 mm
Min.Impeller Diameter : 196 mm
Max.Impeller Diameter : 230 mm
Maximum Solid Size : 28 mm
Pump Weight (Approx) : 93 kg
Pump Standard : EN 733

Flow : 280.2 m³/h
Head : 11.69 m
Shutoff Head : 16.5 m
Shaft Power (BkW) : 10.35 kW
End of Power curve : 10.4 kW
Efficiency : 86.2 %
NPSHr Value : 2.749 m
Moment of Inertia : 0.311 kg m²
Operating Pressure : 1.145 bar
Maximum Allowable Pressure : 1.616 bar
Minimum Continuous Flow : 83.41 m³/h

Motor

Frequency : 50 Hz
Phase : 3~
Rated Voltage : 415 V
Rated current : 27 A
Rated Power P2 : 15 kW

Speed : 1450 1/min
Degree of Protection : IP 55
Insulation Class : F
Frame size : 160 M/L

Material of Construction

Flange Connections

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

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

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 125
Standard : PN 16



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Performance Curve

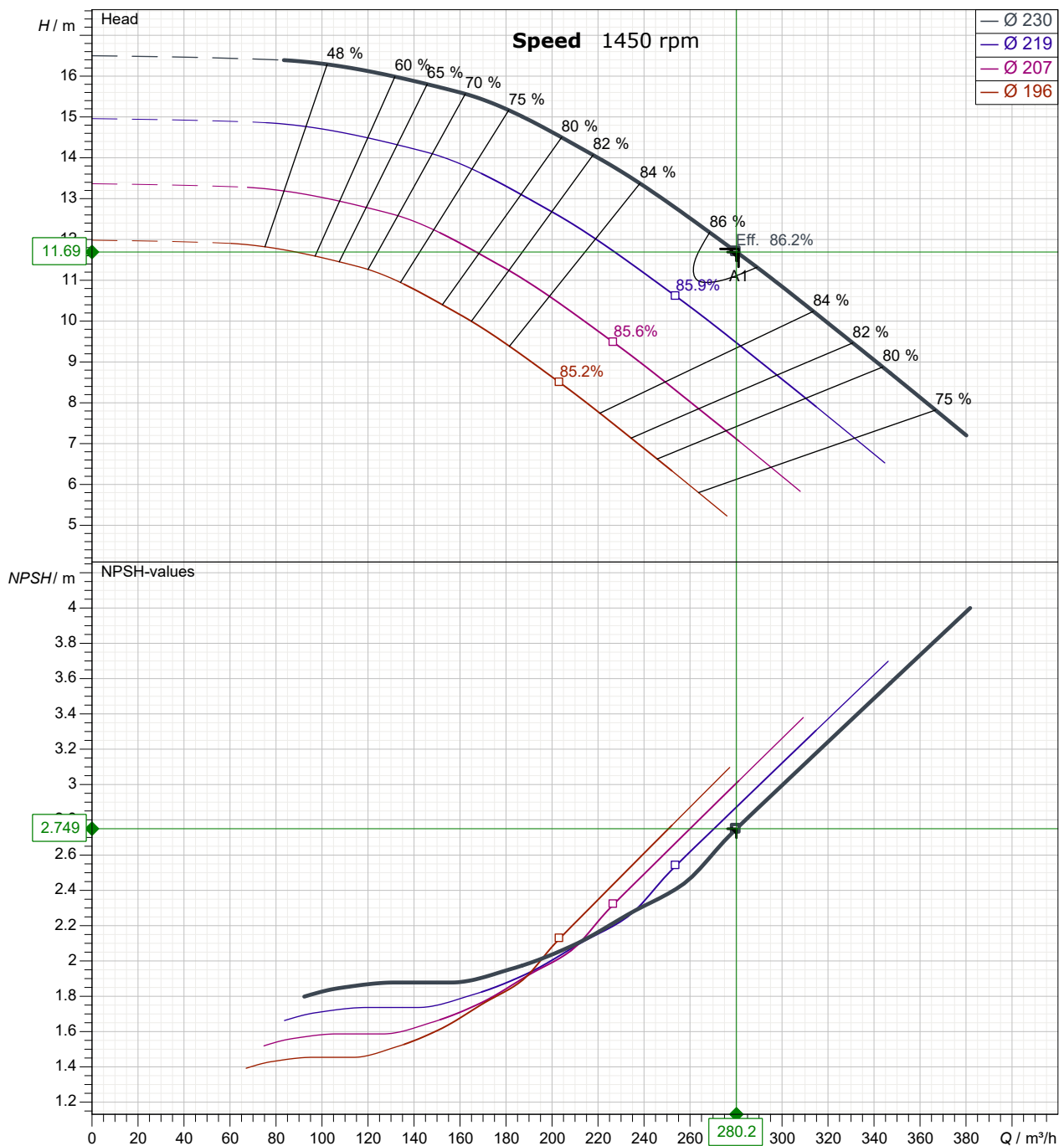
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Curve Tolerance ISO 9906 Grade 2B



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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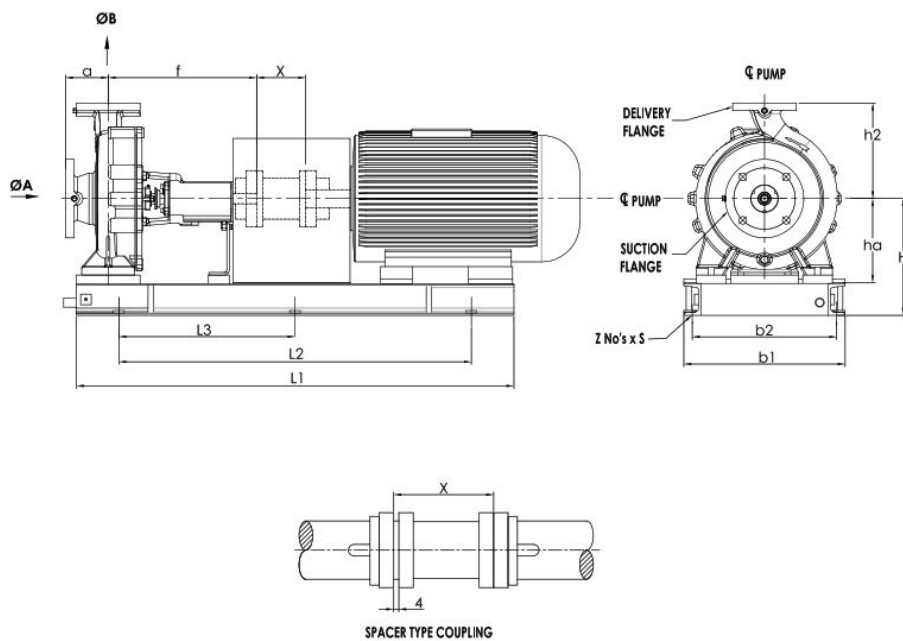
Dimensional Drawing

Pump Model
ECW 125/200

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

Dimensions in mm

a	140			H.D-Discharge	19
b1	420			H.D-Suction	23
b2	390			No.of Holes-Discharge	8
f	470			No.of Holes-Suction	8
H	345			Nominal Size (ØA)	150
h2	315			Nominal Size (ØB)	125
hA	270			P.C.D-Discharge	210
L1	1210			P.C.D-Suction	240
L2	1010				
L3	505				
Ø A	150				
Ø B	125				
S	14				
X	140				
Z	6				