



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

Technical Data

Pump Model
ECW 100/200

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

Project ID :

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

Requested Data

Flow : 244.4 m³/h
Head : 59.64 m

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

Pump

Pump Model : ECW 100/200
Inlet / Outlet size : 125x100
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 225 mm
Min.Impeller Diameter : 180 mm
Max.Impeller Diameter : 225 mm
Maximum Solid Size : 20 mm
Pump Weight (Approx) : 81 kg
Pump Standard : EN 733

Operating Data

Flow : 122.8 m³/h
Head : 15.05 m
Shutoff Head : 17.8 m
Shaft Power (BkW) : 6.347 kW
End of Power curve : 8.12 kW
Efficiency : 79.06 %
NPSHr Value : 1.78 m
Moment of Inertia : 0.252 kg m²
Operating Pressure : 1.474 bar
Maximum Allowable Pressure : 1.743 bar
Minimum Continuous Flow : 45.3 m³/h

Motor

Frequency :
Phase :
Rated Voltage :
Rated current :
Rated Power P2 :

Speed :
Degree of Protection :
Insulation Class :
Frame size :

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 : 125
Standard : PN 16

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 100
Standard : PN 16



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Performance Curve

Pump Model
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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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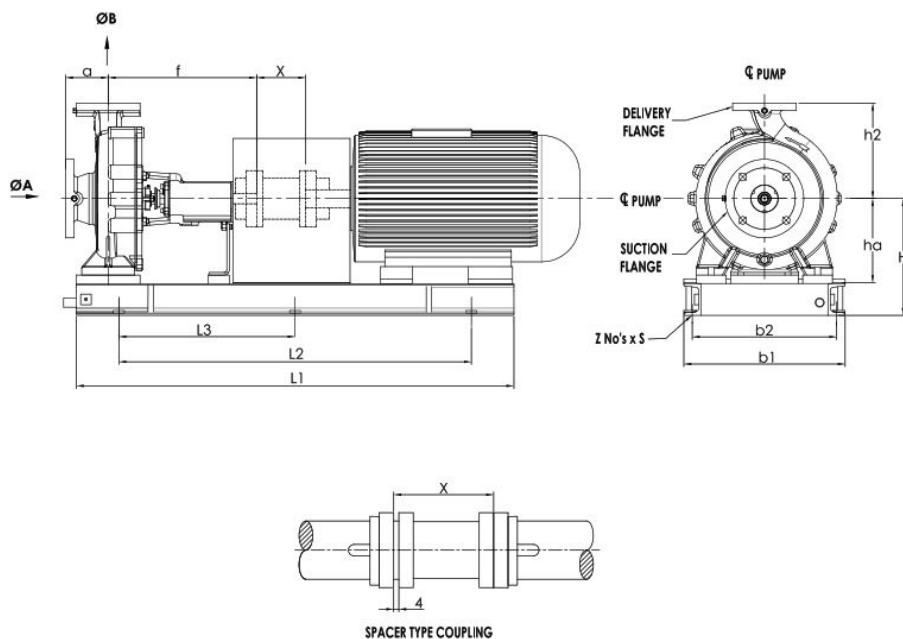
Dimensional Drawing

Pump Model
ECW 100/200

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

Dimensions in mm

a	125			H.D-Discharge	19
b1	380			H.D-Suction	19
b2	350			No.of Holes-Discharge	8
f	470			No.of Holes-Suction	8
H	295			Nominal Size (ØA)	125
h2	280			Nominal Size (ØB)	100
hA	220			P.C.D-Discharge	180
L1	1070			P.C.D-Suction	210
L2	870				
L3	435				
Ø A	125				
Ø B	100				
S	14				
X	140				
Z	6				