



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

Technical Data

Pump Model
ECW 65/160

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

Project ID :

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

Requested Data

Flow : 89.99 m³/h
Head : 41.06 m

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

Pump

Pump Model : ECW 65/160
Inlet / Outlet size : 80x65
Speed : 1450 1/min
Direction of Rotation : Clockwise from the drive end
Impeller type : Radial impeller
Impeller Diameter : 174 mm
Min.Impeller Diameter : 139 mm
Max.Impeller Diameter : 174 mm
Maximum Solid Size : 23 mm
Pump Weight (Approx) : 35 kg
Pump Standard : EN 733

Operating Data

Flow : 43.47 m³/h
Head : 9.581 m
Shutoff Head : 10.2 m
Shaft Power (BkW) : 1.387 kW
End of Power curve : 1.84 kW
Efficiency : 81.29 %
NPSHr Value : 2.153 m
Moment of Inertia : 0.085 kg m²
Operating Pressure : 0.9383 bar
Maximum Allowable Pressure : 0.9989 bar
Minimum Continuous Flow : 15.03 m³/h

Motor

Frequency : 50 Hz
Phase : 3~
Rated Voltage : 415 V
Rated current : 4.4 A
Rated Power P2 : 2.2 kW

Speed : 1450 1/min
Degree of Protection : IP 55
Insulation Class : F
Frame size : 100 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 : 80
Standard : PN 16

Discharge Flange
Pressure rating : 16 bar
Nominal pipe size : 65
Standard : PN 16



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Performance Curve

Pump Model
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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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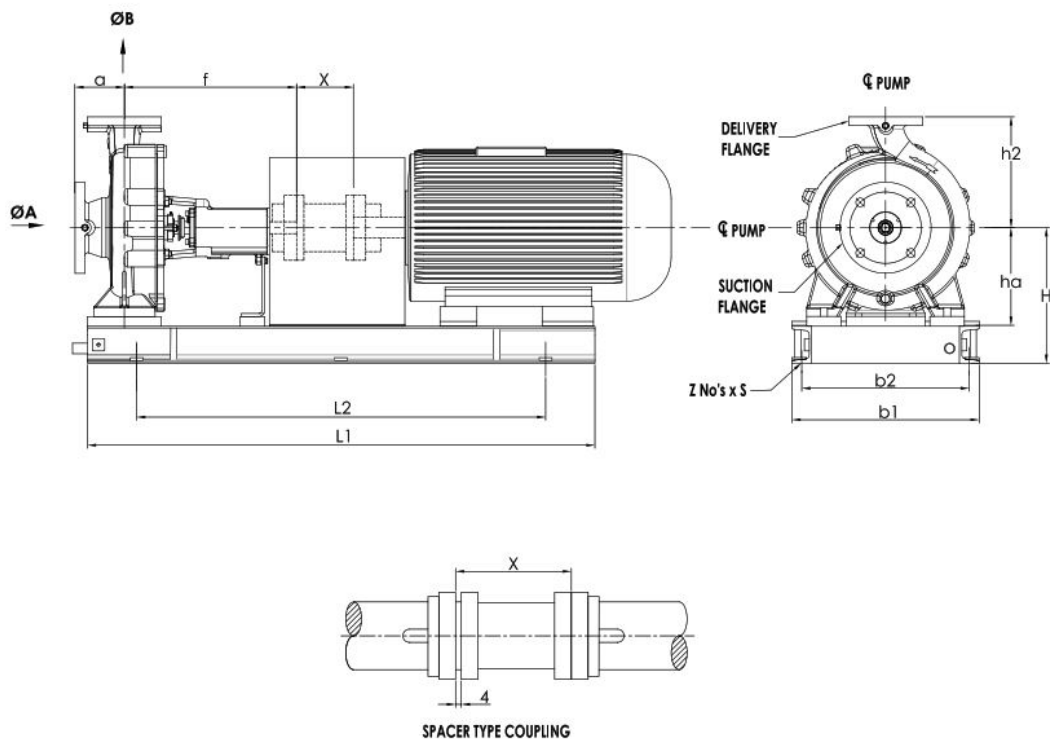
Dimensional Drawing

Pump Model
ECW 65/160

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

Dimensions in mm

a	100			H.D(Delivery)	19
b1	330			H.D(Suction)	19
b2	300			No.of Holes-Discharge	4
f	360			No.of Holes-Suction	8
H	255			Nominal Size (ØA)	80
h2	200			Nominal Size (ØB)	65
hA	180			P.C.D(Delivery)	145
L1	835			P.C.D(Suction)	160
L2	635				
Ø A	80				
Ø B	65				
S	14				
X	100				
Z	4				