



Technical Data

Project Name : Untitled project 2025-03-22 10:08:33.207	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 29.89 m ³ /h	Fluid : Water
Head : 53.67 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C

Pump

Operating Data

Pump Model : ECW 32/200	Flow : 29.6 m ³ /h
Inlet / Outlet size : 50x32	Head : 52.62 m
Speed : 2900 1/min	Shutoff Head : 59.7 m
Direction of Rotation : Clockwise from the drive end	Shaft Power (BkW) : 7.592 kW
Impeller type : Radial impeller	End of Power curve : 9.91 kW
Impeller Diameter : 209 mm	Efficiency : 55.91 %
Min.Impeller Diameter : 167 mm	NPSHr Value : 4.568 m
Max.Impeller Diameter : 209 mm	Moment of Inertia : 0.129 kg m ²
Maximum Solid Size : 5 mm	Operating Pressure : 5.153 bar
Pump Weight (Approx) :	Maximum Allowable Pressure : 5.847 bar
Pump Standard : EN 733	Minimum Continuous Flow : 8.94 m ³ /h

Motor

Frequency : 50 Hz	Speed : 2900 1/min
Phase : 3~	Degree of Protection : IP 55
Rated Voltage : 415 V	Insulation Class : F
Rated current : 17 A	Frame size : 132 M
Rated Power P2 : 9.3 kW	

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

Pump Model
ECW 32/200

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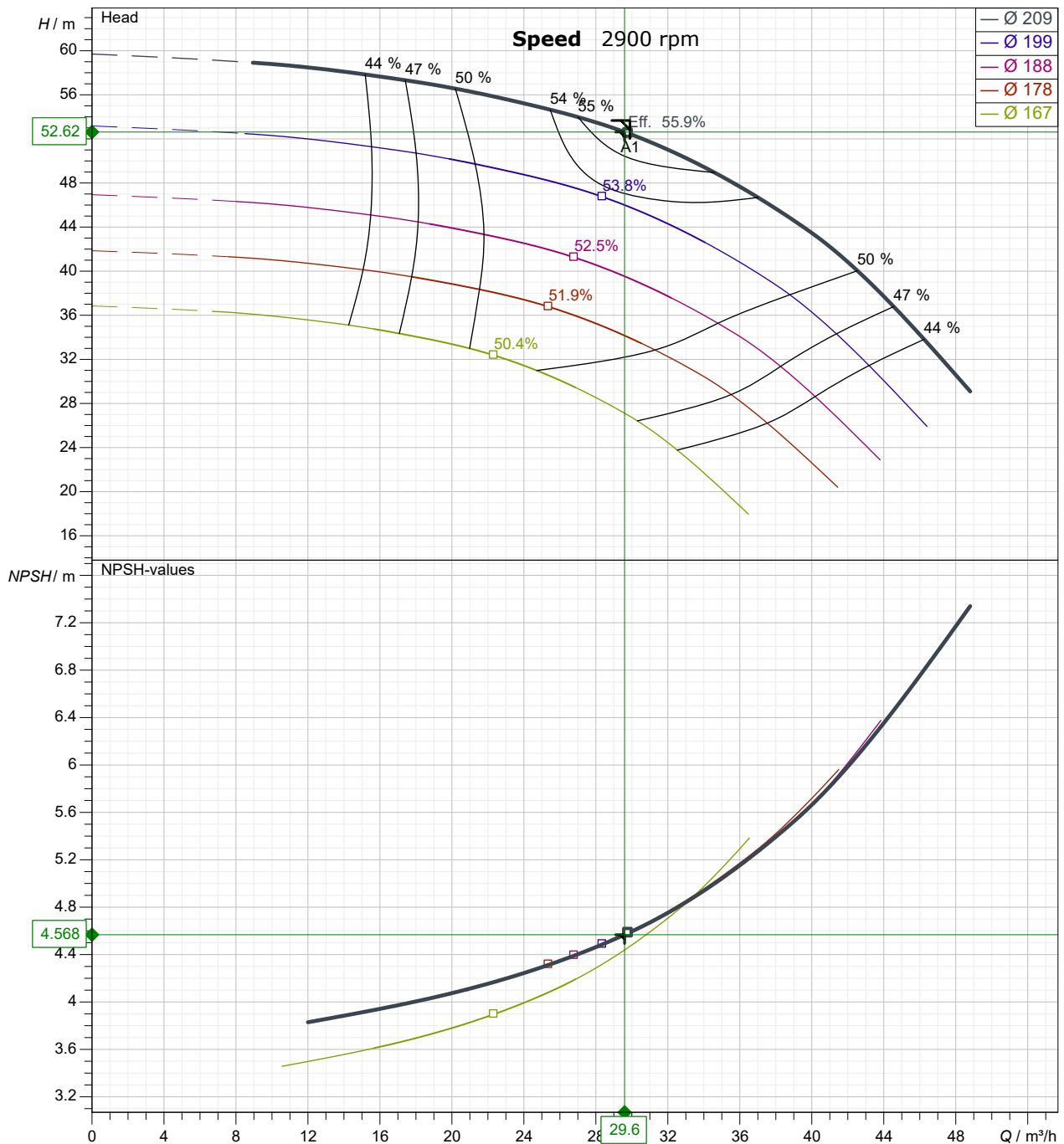
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Curve Tolerance ISO 9906 Grade 2B



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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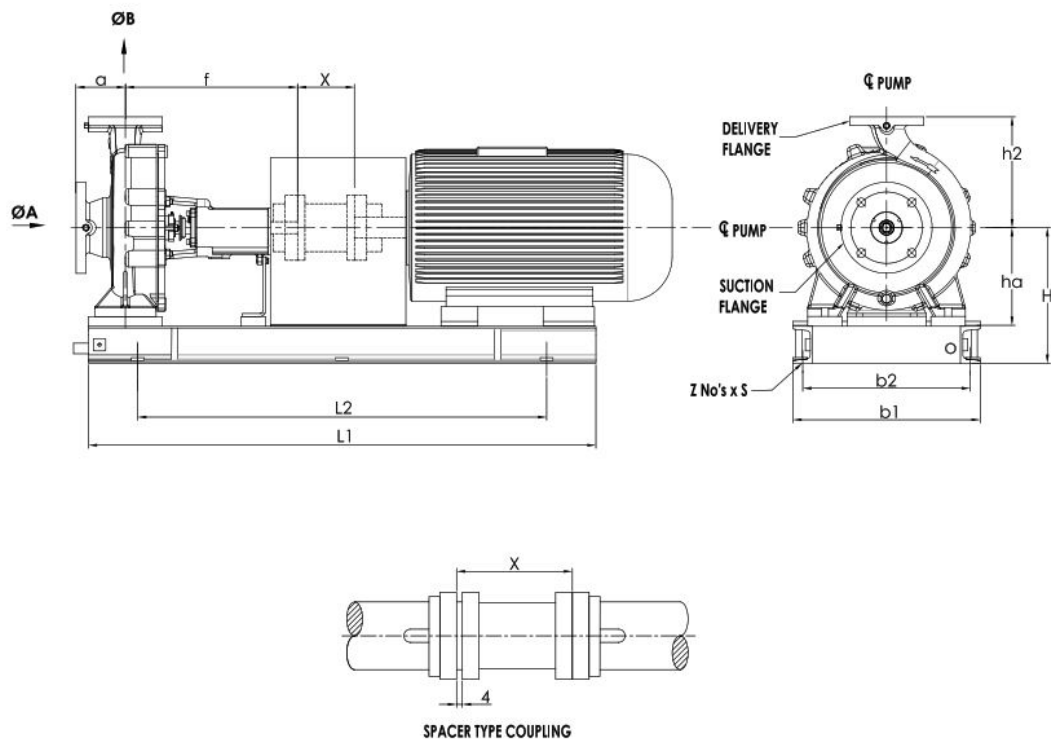
Dimensional Drawing

Pump Model
ECW 32/200

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

Dimensions in mm

a	80			H.D(Delivery)	19
b1	300			H.D(Suction)	19
b2	270			No.of Holes-Discharge	4
f	360			No.of Holes-Suction	4
H	255			Nominal Size (ØA)	50
h2	180			Nominal Size (ØB)	32
ha	180			P.C.D(Delivery)	100
L1	920			P.C.D(Suction)	125
L2	720				
Ø A	50				
Ø B	32				
S	14				
x	100				
Z	4				