



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

Technical Data

Pump Model
S10S-215/08

Project Name : Untitled project 2025-03-21 17:37:15.521	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 237.5 m ³ /h	Fluid : Water
Head : 176.7 m	Density : 0.9983 kg/dm ³
	Viscosity : 1.005 mm ² /s
	Temperature : 20 °C
	pH-value at t A :
	Vapour pressure at t A : 0.0234 bar

Pump

Pump Model : S10S-215/08	Minimum Continuous Flow : 70 m ³ /h
No. of Stages : 8	Flow Nominal : 237.1 m ³ /h
Outlet Size : 150	Max- : 279.6 m ³ /h
Speed : 2900 1/min	Min- : 70 m ³ /h
Direction of Rotation : Counter clockwise	Head Nominal : 175 m
Impeller type : Mixed Flow Impeller	Max- : 286.3 m
Impeller Design : Closed	Min- : 123.4 m
pump weight(Approx) : 142 kg	Efficiency Overall Efficiency : 69.33 %
Pump Standard :	Pump Efficiency : 78.78 %

Motor

Motor Model : W10B-A65T	Motor Standard :
Frequency : 50 Hz	Insulation Class : Y
Phase : 3~	Degree of Protection : IP 68
Rated Voltage : 415 V	Method of Starting : Direct starting
Rated current : 315 A	Service factor : 1
Rated Power P2 : 165 kW	Power factor : 0.88
Speed : 2900 1/min	No.of.starts per hour : 15
Efficiency : 88 %	Starting current :
Motor Weight (Approx) : 409 kg	Starting torque :

Material of Construction

Pump		Motor	
Check Valve Housing	S.S 304	Shaft Seal Housing	Cast Iron
Check Valve Disc	S.S 304	Shaft Seal / Mechanical Seal	Nitrile Rubber / Ceramic - Carbon , SiC
Check Valve Seat	Nitrile Butyle Rubber	Upper & Lower Housings	Cast Iron
Diffuser Chamber	S.S 304	Stator Shell	S.S 304
Impeller	S.S 304	Thrust Pad	Graphite Carbon
Split Cone with Nut	S.S 304	Thrust Bearing	S.S 420
Impeller Wearing / Seal Ring	Nitrile Butyle Rubber	Diaphragm	NITRILE RUBBER
Upthrust Washer / Stop Ring	S.S 420	Motor Base	Cast Iron
Intermediate Bearing	Nitrile Butyle Rubber	Sleeve	SS 431
Suction Interconnector	S.S 304	Shaft Extension	SS 410
Inlet Screen	S.S 304	Shaft	EN8
Pump Shaft	S.S 431		
Coupling Splines	S.S 329		
Locking Strap	S.S 304		
Cable Guard	S.S 304		



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Performance Curve

Pump Model
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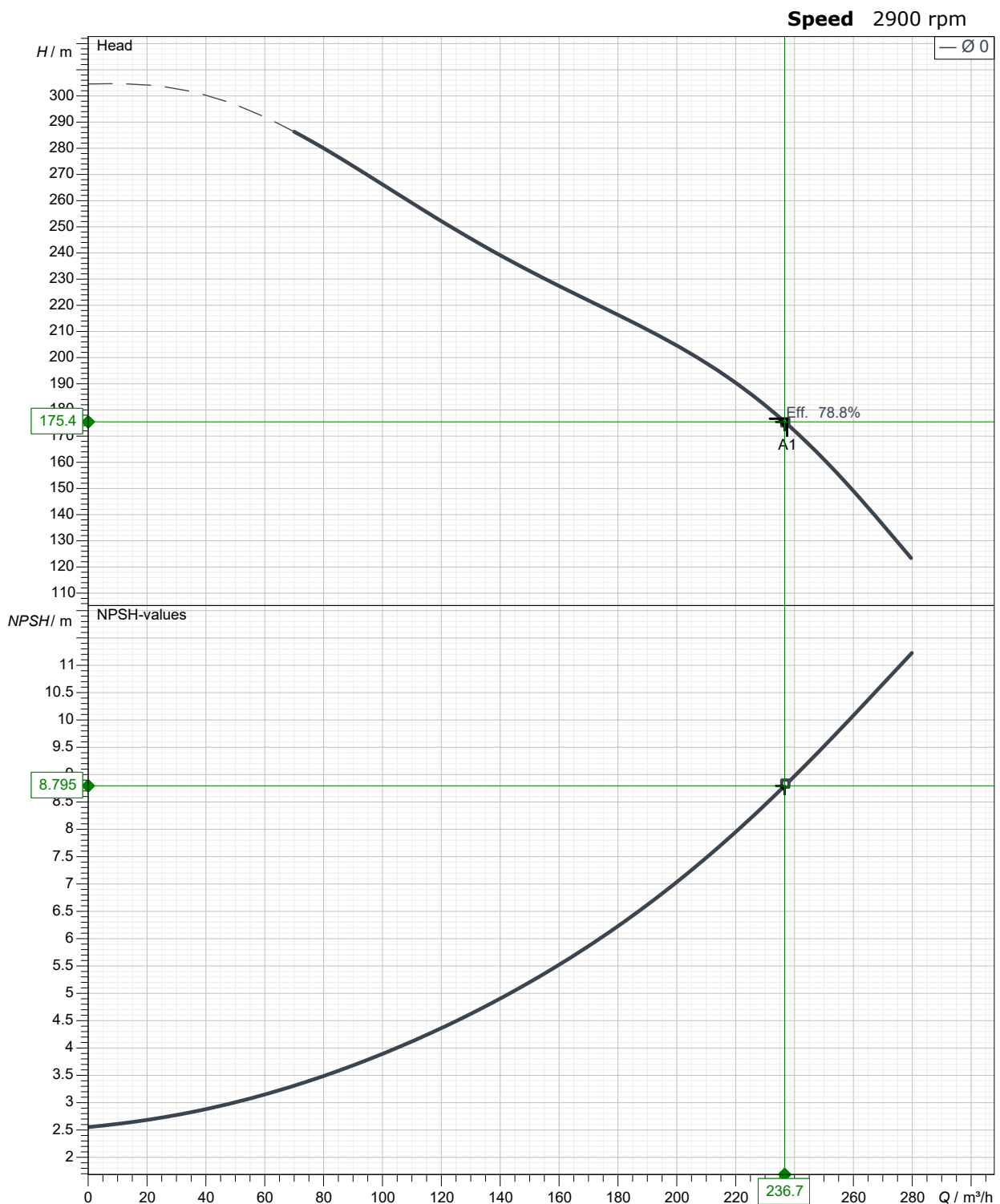
Company Name :

Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

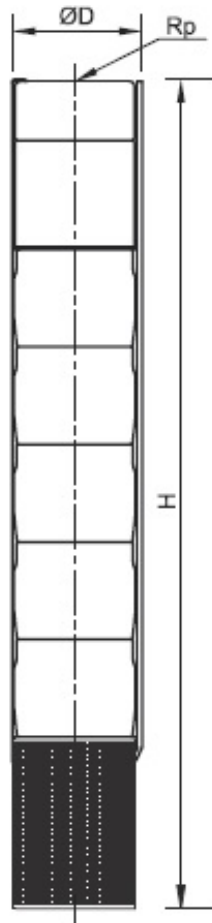




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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

H	2026		
OD-DOL	247		
OD-SD	255		
RP	150		



Motor Model
W10B-A65T

Project ID :

Technical drawing of the 1000 Series Vertical Turbine Pump, showing front and side views with dimensions and labels.

Front View Dimensions and Labels:

- 81 (TYP) - Dimension for the top flange mounting holes.
- Ø127 - Dimension for the top flange outer diameter.
- Ø38.1^{+0.020} - Dimension for the central shaft diameter.

Side View Dimensions and Labels:

- 101.6 - Total height of the pump assembly.
- 50 - Height of the top flange.
- 65 - Height of the central shaft section.
- M20 STUD 4Nos. Equi spaced on PCD 172 - Label for the mounting studs.
- Outer Shell Ø229 - Label for the outer shell diameter.

Dimensions in mm

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