



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

Technical Data

Pump Model
S10S-215/11

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

Requested Data

Flow : 236.9 m ³ /h	Fluid : Water
Head : 254.3 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-215/11	Minimum Continuous Flow : 70 m ³ /h
No. of Stages : 11	Flow Nominal : 237.1 m ³ /h
Outlet Size : 150	Max- : 280.1 m ³ /h
Speed : 2900 1/min	Min- : 70 m ³ /h
Direction of Rotation : Counter clockwise	Head Nominal : 249.6 m
Impeller type : Mixed Flow Impeller	Max- : 401.4 m
Impeller Design : Closed	Min- : 179 m
pump weight(Approx) : 179.5 kg	Efficiency Overall Efficiency : 69.33 %
Pump Standard :	Pump Efficiency : 78.78 %

Motor

Motor Model : W10B-B22T	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 : 425 A	Service factor : 1
Rated Power P2 : 220 kW	Power factor : 0.86
Speed : 2900 1/min	No.of.starts per hour : 15
Efficiency : 88 %	Starting current :
Motor Weight (Approx) : 500 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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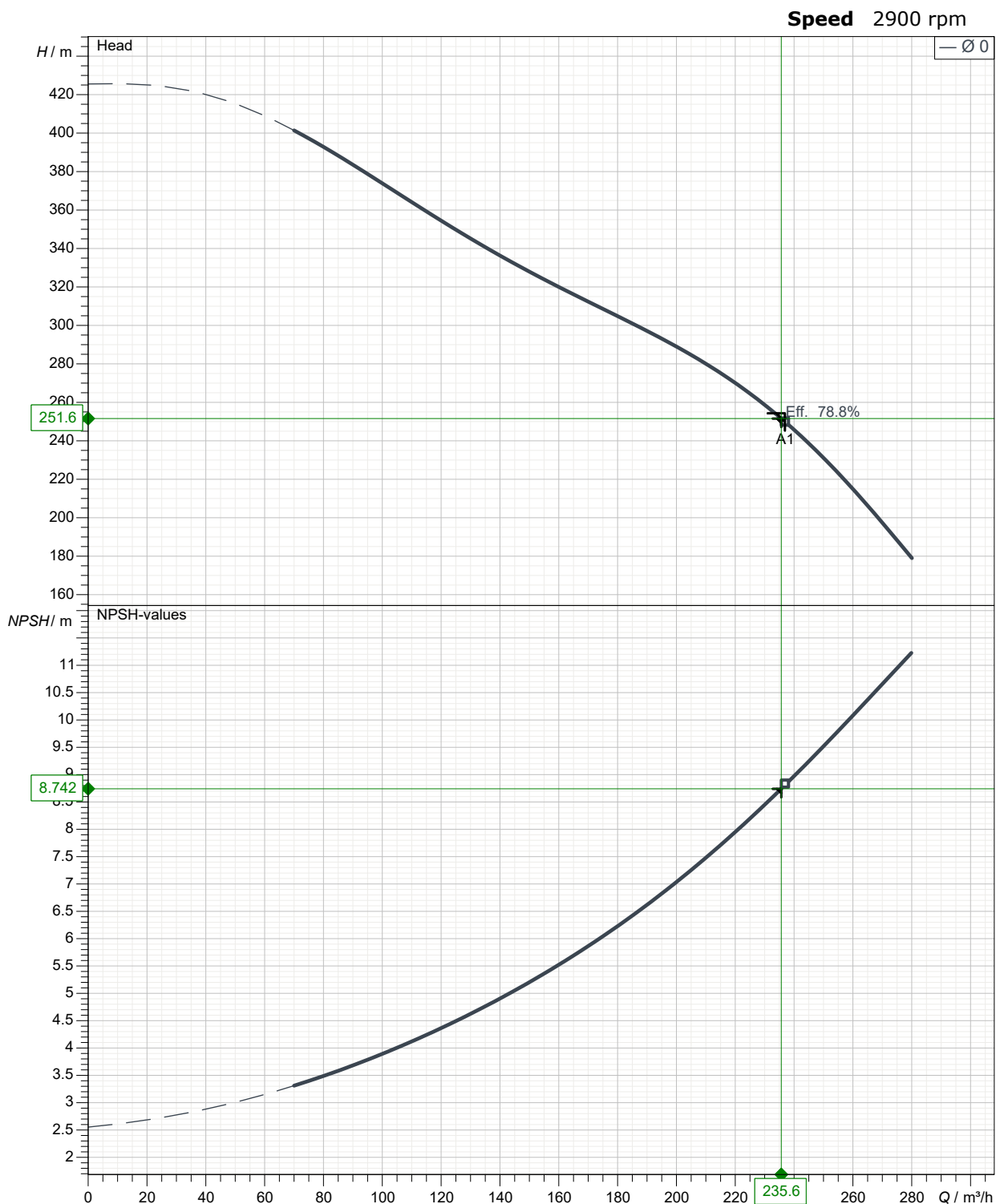
Company Name :

Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B





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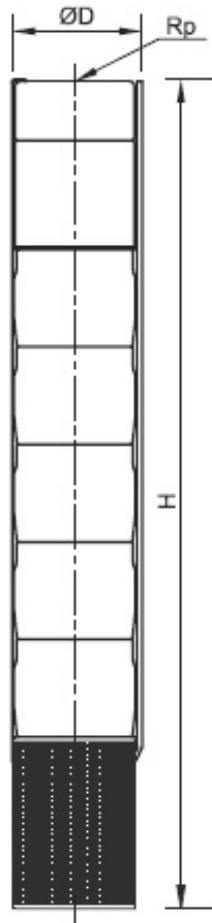
Project ID :

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Department :

Phone number :

e-mail address :



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

Dimensions in mm

H	2554		
OD-DOL	247		
OD-SD	255		
RP	150		



Motor Model
W10B-B22T

Project ID :

Technical drawing of the 1000 Series Vertical Pump Assembly, showing top and side views.

Top View:

- Feature 81 (TYP) is indicated on the left side.
- Feature Ø127 is indicated on the right side.
- The central shaft diameter is specified as $\text{Ø}38.1^{+0.000}_{-0.000}$.

Side View:

- The total height of the assembly is 101.6.
- The distance from the base to the top of the main body is 50.
- The distance from the base to the top of the pump head is 65.
- The pump head is labeled "M20 STUD 4Nos. Equi spaced on PCD172".
- The outer shell is labeled "Outer Shell Ø229".
- The dimension "D" is indicated for the distance from the base to the top of the pump head.

Dimensions in mm

D	240
H1	2183