



Technical Data

Project Name : Untitled project 2025-03-17 15:26:26.478	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 2.923 m ³ /h	Fluid : Water
Head : 109.5 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 : S4P-3/21	Minimum Continuous Flow : 1.75 m ³ /h
No. of Stages : 21	Flow Nominal : 2.907 m ³ /h
Outlet Size : 32	Max- : 5.006 m ³ /h
Speed : 2900 1/min	Min- : 1.75 m ³ /h
Direction of Rotation : Counter clockwise	Head Nominal : 109 m
Impeller type : Radial impeller	Max- : 137.9 m
Impeller Design : Closed	Min- : 14.11 m
pump weight(Approx) : 8.2 kg	Efficiency Overall Efficiency : 39.1 %
Pump Standard :	Pump Efficiency : 55.86 %

Motor

Motor Model : W4A-22TK	Motor Standard :
Frequency : 50 Hz	Insulation Class : Y
Phase : 3~	Degree of Protection : IP 58
Rated Voltage : 415 V	Method of Starting : Direct starting
Rated current : 6.5 A	Service factor : 1
Rated Power P2 : 2.2 kW	Power factor : 0.73
Speed : 2900 1/min	No.of.starts per hour : 20
Efficiency : 70 %	Starting current :
Motor Weight (Approx) : 27.6 kg	Starting torque :

Material of Construction

Pump		Motor	
Check Valve Housing	S.S 304	Shaft Seal	NITRILE RUBBER
Check Valve	Delrin	Housing Shell	S.S 304
Check Valve Seat	Nitrile Butyle Rubber	Stator Shell	S.S 304 / 441
Outer Shell	S.S 304	Thrust Pad	Carbon Graphite
Impeller	NORYL	Thrust Bearing	S.S 420
Diffuser Chamber	Lexan	Diaphragm	High Nitrile Rubber
Stop Ring	Hylem	Motor Base	S.S 304
Intermediate Bearing (Sleeve / Bt)	S.S 304	Bush	LTB
Suction Interconnector	S.S 304		
Inlet Screen	S.S 304		
Pump Shaft Hexagonal	S.S 431		
Cable Guard	S.S 304		
Coupling Splines	S.S 329		



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Performance Curve

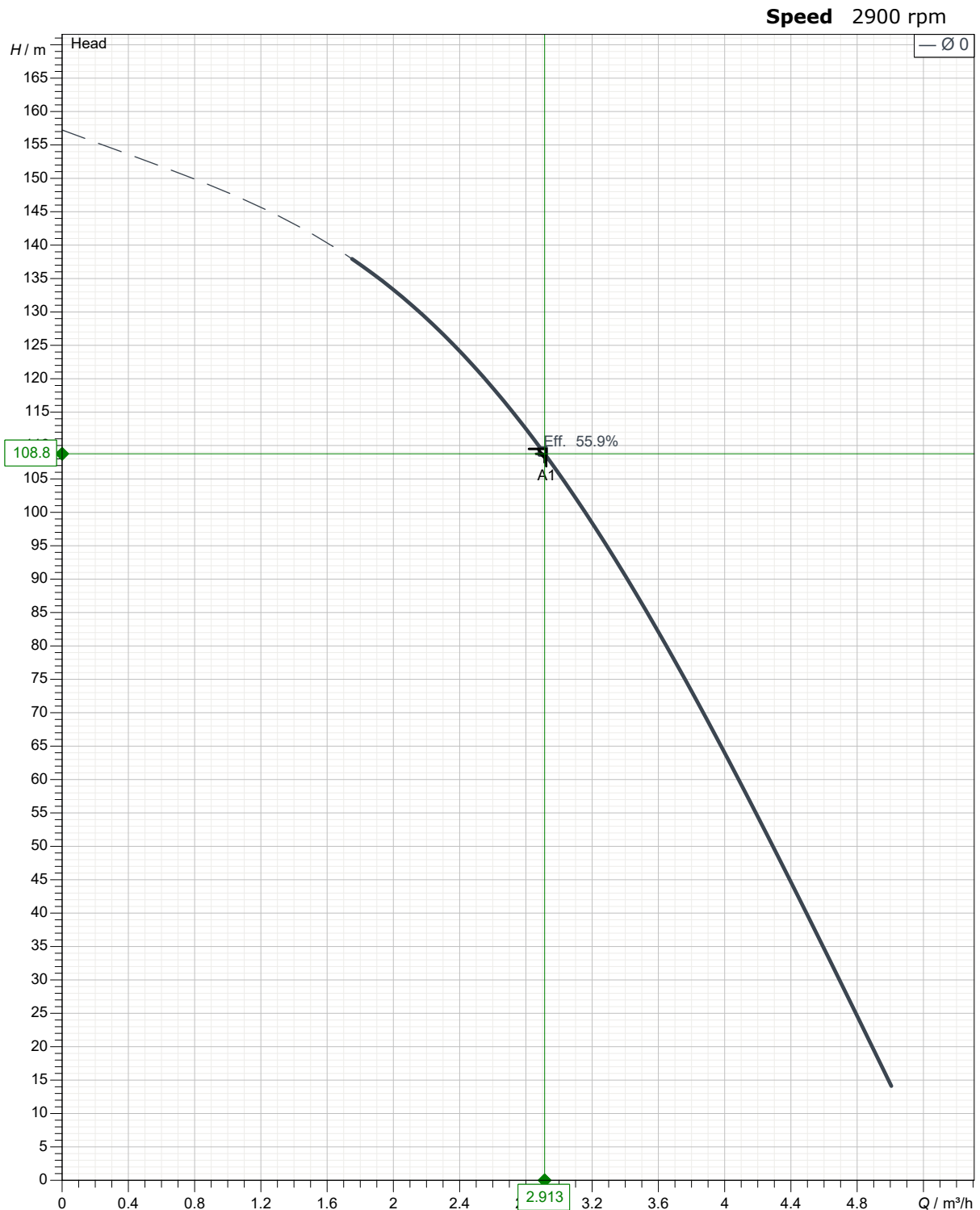
Pump Model
S4P-3/21

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Curve Tolerance ISO : 9906, Grade-3B

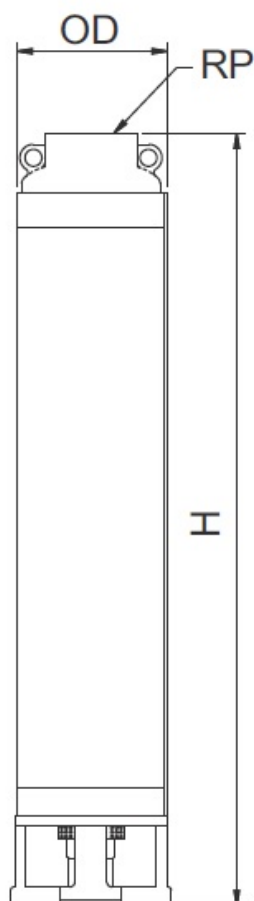




Pump Model
S4P-3/21

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

H	844		
OD	98		
RP	32		



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Dimensional Drawing

Motor Model
W4A-22TK

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Dimensions in mm

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