



Technical Data

Project Name : Untitled project 2025-03-19 11:17:08.180	Project ID :
Company Name : Department : Phone number : e-mail address :	

Requested Data

Flow : 46.94 m ³ /h	Fluid : Water
Head : 161.9 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 : S6S-48/19	Minimum Continuous Flow : 29 m ³ /h
No. of Stages : 19	Flow Nominal : 46.84 m ³ /h
Outlet Size : 80	Max- : 60.03 m ³ /h
Speed : 2900 1/min	Min- : 29 m ³ /h
Direction of Rotation : Counter clockwise	Head Nominal : 160.2 m
Impeller type : Mixed Flow impeller	Max- : 209 m
Impeller Design : Closed	Min- : 98.82 m
pump weight(Approx) : 49.91 kg	Efficiency Overall Efficiency : 64.93 %
Pump Standard :	Pump Efficiency : 76.39 %

Motor

Motor Model : W6A-370TN	Motor Standard :
Frequency : 50 Hz	Insulation Class : Y
Phase : 3~	Degree of Protection : IP 68
Rated Voltage : 525 V	Method of Starting : Direct starting
Rated current : 63 A	Service factor : 1
Rated Power P2 : 37 kW	Power factor : 0.85
Speed : 2900 1/min	No.of.starts per hour : 20
Efficiency : 85 %	Starting current :
Motor Weight (Approx) : 98 kg	Starting torque :

Material of Construction

Pump		Motor	
Check Valve Housing	S.S 304	Shaft Seal / Mechanical Seal	Nitrile Rubber / Ceramic - Carbon
Check Valve Disc	S.S 304	Upper & Lower Housings	Cast Iron
Check Valve Seat	Nitrile Butyle Rubber	Stator Shell	SS 304 / 441
Diffuser Chamber	S.S 304	Thrust Pad	Carbon Graphite
Impeller	S.S 304	Thrust Bearing	S.S 420
Split Cone with Nut	S.S 304	Diaphragm	High Nitrile Rubber
Impeller Wearing / Seal Ring	Nitrile Butyle Rubber	Motor Base	S.S 304
Upthrust Washer / Stop Ring	S.S 420	Upper Housing Shell	S.S 304
Intermediate Bearing	Nitrile Butyle Rubber	Shaft	S.S 431
Suction Interconnector	S.S 304	Shaft Extension	17.4 Ph
Inlet Screen	S.S 304	Sleeves	S.S 431
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
S6S-48/19

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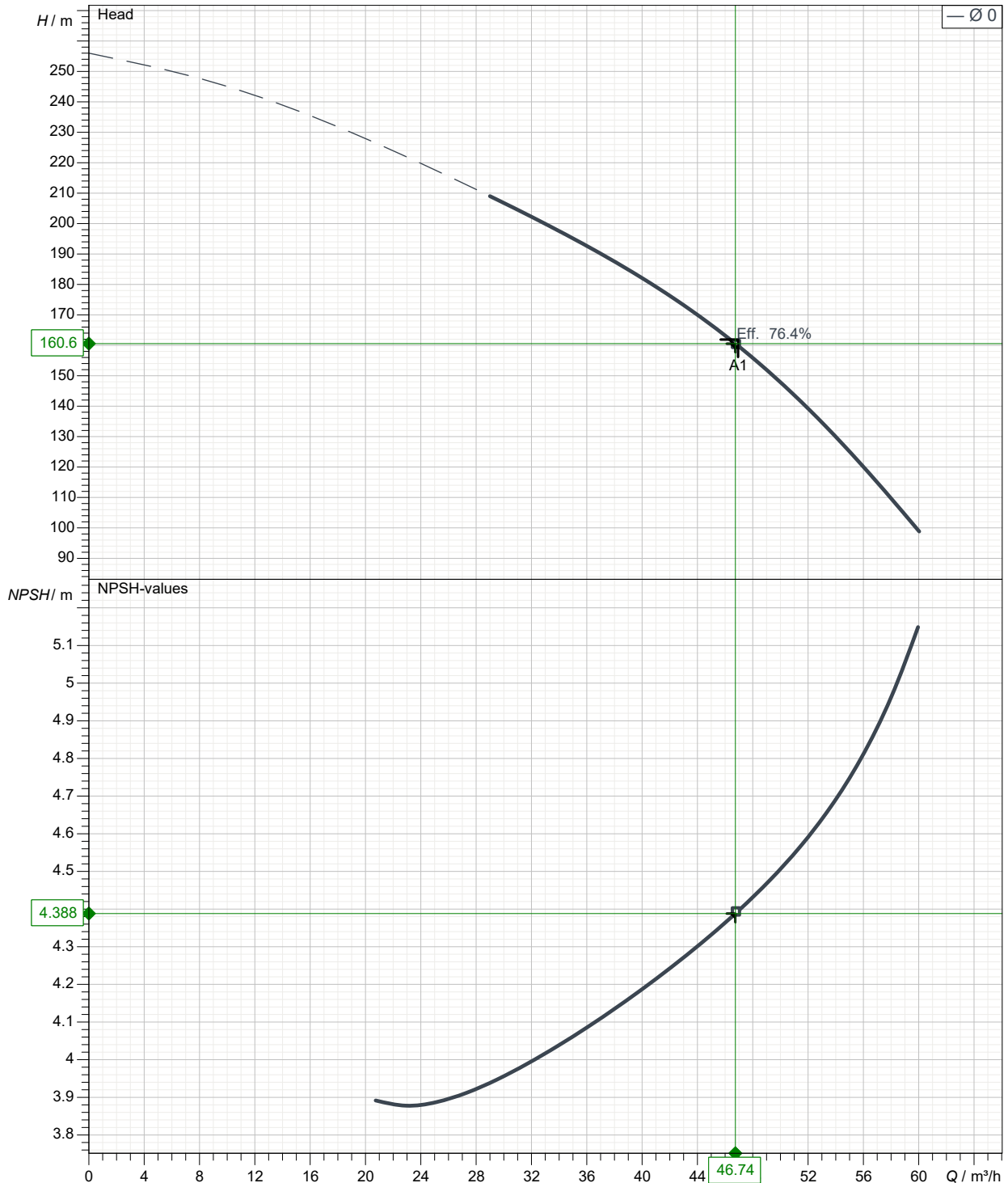
Department :

Phone number :

e-mail address :

Curve Tolerance ISO : 9906, Grade-3B

Speed 2900 rpm





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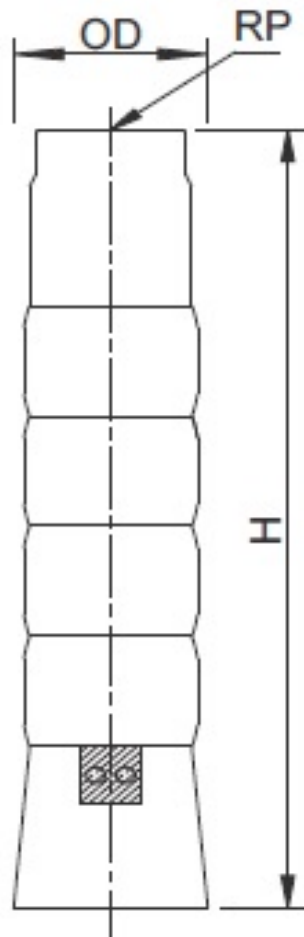
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In View of continuous developments, The information/specifications/Description/ Illustrations are subject to change without notice.

Dimensions in mm

H	2437		
OD-DOL	145		
OD-SD	149		
RP	80 \ 100		



Motor Model
W6A-370TN

Project ID :

Technical drawing of a vertical shaft assembly, showing a top view and a side view.

Top View Dimensions:

- Outer diameter: $\varnothing 143 (D)$
- Inner diameter: $\varnothing 76.22$
- Central shaft diameter: $\varnothing 57$
- Inner hole diameter: $\varnothing 25$
- Flange thickness: 30
- Flange outer diameter: 51.5
- Flange inner diameter: 45°
- Flange mounting holes: M12 STUD 4 NOS ON PCD 111

Side View Dimensions:

- Total height: H1 (HEIGHT)
- Shaft diameter: $\varnothing 143 (D)$
- Shaft diameter: $\varnothing 76.22$
- Shaft diameter: $\varnothing 57$
- Shaft diameter: $\varnothing 25$
- Shaft length: 37 (Spline Length)
- Shaft diameter: $\varnothing 72.8 \pm 0.1$
- Shaft diameter: 0
- Shaft diameter: 30

Dimensions in mm

D H1	143 1304		
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