

Technical specification

Submersible pump P 7050, 50 Hz





P 7050

Product

Axial-flow pump for transportation of large volumes of water, containing minimum debris and fibres, at low heads.

Denomination

Product code 7050/680
Installation L

Process data

Liquid temperature max +40 °C
Depth of immersion max 20 m
The pH of the pumped liquid pH 6 - 11
Liquid density max. 1100 kg/m³
Pump (ball-) throughlet max. 80 mm

Motor data

Frequency 50 Hz
Insulation class H (+180 °C)
Voltage variation
- continuously running max ± 5%
- intermittent running max ± 10%
Voltage imbalance between phases max 2%
No. of starts/hour max 15

Cable

SUBCAB® To be dimensioned by ITT Flygt

Monitoring equipment

Thermal contacts opening temperature 140 °C

Material

Pump housing Cast iron
Stator housing Cast iron
O-rings Nitrile rubber

Propeller

Alternative	Material
1	Aluminium bronze
2	Stainless steel

Mechanical face seals

Alternative	Inner seal	Outer seal
1	Corrosion resistant cemented carbide/ Corrosion resistant cemented carbide	Corrosion resistant cemented carbide/ Corrosion resistant cemented carbide

Shaft

Alternative	Material
1	Steel
2	Stainless steel

Surface Treatment

All castings sprayed with primer. The finishing coat is a gray chlorinated rubber paint.

Weight

Excluding power cable, including drive unit.

Drive unit	Installation			
	L			
680 ¹⁾	730 kg			
680 ²⁾	750 kg			

¹⁾ stator 35-24-XX

²⁾ stator 35-28-XX

Option

Analogue temperature sensor in main bearing Pt100
Leakage sensor in stator housing FLS
Leakage sensor in oil housing CLS
Other cables
Surface treatment Epoxy treatment
Zinc anodes
Leakage sensor in junction box

Accessories

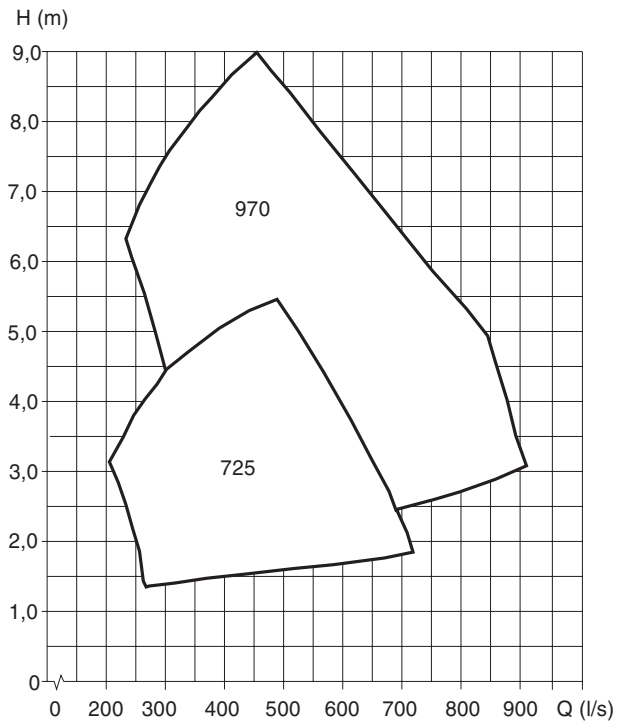
Discharge connections, adapters, hose connections and other mechanical accessories.

Electrical accessories such as pump controller, control panels, starters, monitoring relays.

See separate booklet or www.flygt.com, for further information.

Motor rating and performance curve

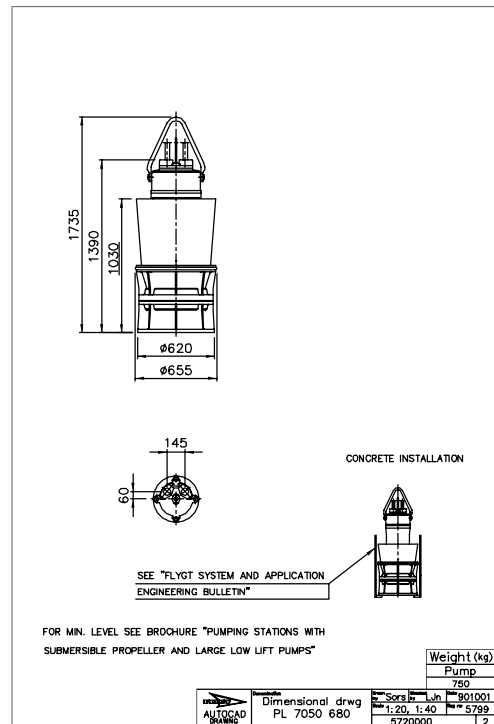
Curve/Impeller No	Drive unit	Rated power, kW	Rated current, A	Starting current, A	Power factor cos φ	Ex proof version available
400 V, 50 Hz, 3 ~, 730 r/min						
725	680	27	56	293	0,80	
725	680	37	77	380	0,80	
400 V, 50 Hz, 3 ~, 970 r/min						
970	680	45	85	475	0,88	
400 V, 50 Hz, 3 ~, 965 r/min						
970	680	55	104	515	0,89	



Dimensional drawing

All drawings are available as Acrobat documents (.pdf) and AutoCad drawings (.dwg). Download the drawings from www.flygt.com or contact your ITT Flygt representative for more information.

All dimensions are in mm.





www.flygt.com