

6" SUBMERSIBLE MOTOR

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed: 2850rpm
Insulation class: F
Protection grade: IP 68
Maximum fluid temperature up to +35°C
Minimum well diameter: 6"

Motor and Pump

Rewindable motor
Three-phase: 380 - 415V/50Hz
①Direct start (1 cable)
②Star-delta start (2 cables)

NEMA dimension standards

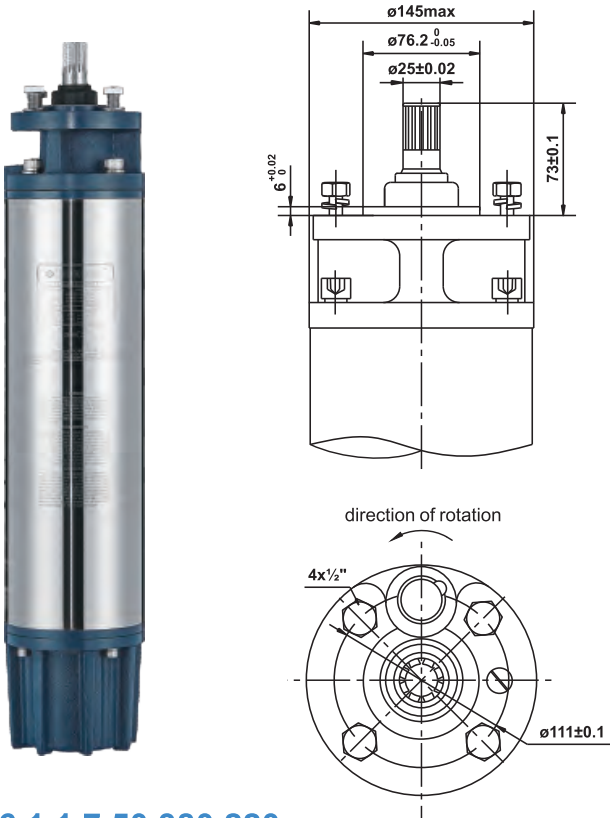
Options on request

Special mechanical seal
Other voltages or frequency 60Hz

Components	Material
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Carbon-SiC/TC
Shaft	AISI 304 SS-ASTM 5140

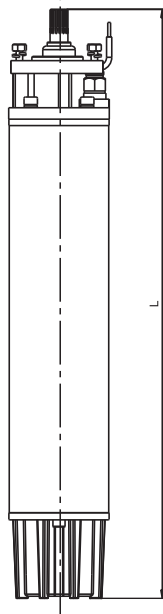
PERFORMANCE DATA 50Hz

MODEL	P ₂		n≈2850 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	COSφ	η (%)	L (mm)	Weight (kg)
6YC2200	2.2	3	380-415V	3	5.0	0.80	74	524	34.1
6YC3000	3	4			6.0	0.80	75	554	36.6
6YC4000	4	5.5			8.0	0.80	75	584	39.2
6YC5500	5.5	7.5			11.0	0.80	76	614	42.6
6YC7500	7.5	10			15.0	0.81	76.5	654	47.0
6YC9200	9.2	12.5			18.5	0.81	77	704	52.7
6YC11000	11	15			21.5	0.82	78	754	58.3
6YC13000	13	17.5			25.5	0.82	78	804	63.9
6YC15000	15	20			29.0	0.83	79	854	69.5
6YC18500	18.5	25			35.5	0.83	79	934	80.9
6YC22000	22	30			42.0	0.83	80	1014	91.6
6YC26000	26	35			49.0	0.84	80	1094	102.3
6YC30000	30	40			57.0	0.84	81	1174	113.0
6YC37000	37	50			72.0	0.84	82	1299	125.0



6 1 1 7 50 380 220

power code
(P₂=power code/100,kW)
voltage
frequency
Cast-iron top chock
phase
(1:single phase,3:three phase)
oil-filled motor with split
external casing
well Ø6"



6" SUBMERSIBLE MOTOR

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed:2850rpm
Insulation class:F
Protection grade:IP 68
Maximum fluid temperature up to +35°C
Minimum well diameter: 6"

Motor and Pump

Rewindable motor
Three-phase: 380 - 415V/50Hz
①Direct start (1 cable)
②Star-delta start (2 cables)
NEMA dimension standards

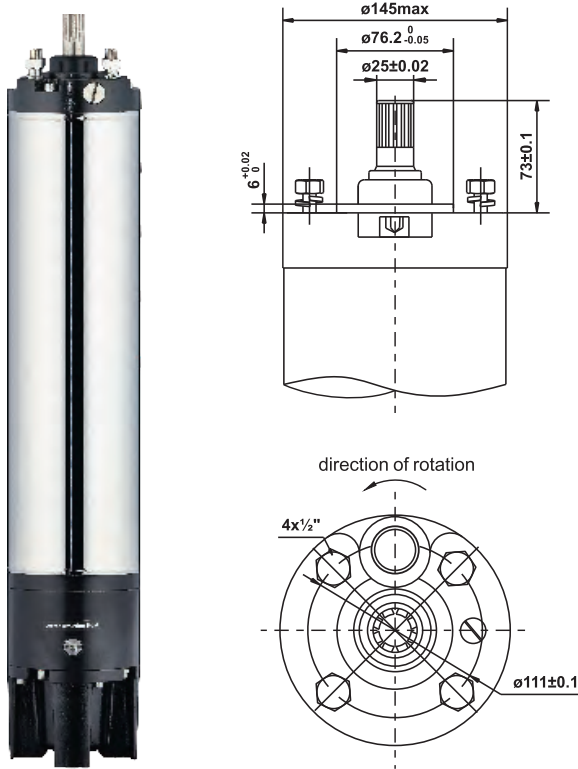
Options on request

Special mechanical seal
Other voltages or frequency 60Hz

Components	Material
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Carbon-SiC/TC
Shaft	AISI 304 SS-AISI 420
Thrust bearing	AISI420
Radial bearing	Carbon with antimony

PERFORMANCE DATA 50Hz

MODEL	P ₂		n≈2850 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	COSφ	η (%)	L (mm)	Weight (kg)
6HC3000	3	4	380-415V	3	7.8	0.78	74.0	679	36.9
6HC4000	4	5.5			10.5	0.79	76.0	739	41.2
6HC5500	5.5	7.5			14.0	0.80	76.5	779	44.8
6HC7500	7.5	10			18.7	0.80	77.0	839	50.2
6HC9200	9.2	12.5			22.8	0.81	78.0	934	58.2
6HC11000	11	15			26.8	0.81	78.5	989	66.3
6HC13000	13	17.5			31.5	0.81	79.5	1044	70.4
6HC15000	15	20			36.1	0.81	80.5	1099	78.5
6HC18500	18.5	25			44.5	0.82	80.5	1186	90.5
6HC22000	22	30			49.3	0.82	81.0	1286	104.0
6HC26000	26	35			59.5	0.82	81.0	1386	117.5
6HC30000	30	40			67.0	0.84	81.0	1586	125.6



6 2 3 7 50 380 300

power code
(P₂=power code/100,kW)
voltage
frequency
Cast-iron top chock
three phase
water-filled motor with split
external casing
well Ø6"

