



TECHNICAL DATASHEET

Franklin Electric 6" Submersible Motors

Robust and efficient 6" motors, ranging from 4kW to 45kW, ideal for boreholes and industrial systems.



Franklin Electric 6" Submersible Motors combine power from 4kW to 45kW with corrosion resistance and energy efficiency. They are ideal for water pumping systems, featuring a robust design and advanced features like resin and water lubrication.

APPLICATIONS

- Agricultural irrigation and gardens.
- High demand water supply
- Large diameter boreholes
- Hydropneumatic systems.
- Water treatment

TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Flange	6" NEMA
Protection	IP 68
Insulation	Class F
Ambient Temp.	4-30kW: 30°C / 37-45kW: 50°C
Starts/Hour	20
Installation	Vertical / Horizontal
Standard Voltage	380-415V/50Hz ; 460V/60Hz
Voltage Tolerance	+6% / -10% UN
Motor Protection	DIN 60947-4-1 (Class 10/10A)
Storage Temp.	-15°C to +60°C
Cooling Flow	min. 0,16 m/s
Note	Cables included

FEATURES

Power Range	4kW – 45kW
Stator	Hermetically sealed stator
Resin	Self-healing stator resin prevents overheating
Bearings	Water lubricated radial and thrust bearing
Material	Stainless Steel AISI 304 (1.4301) AISI 304 SS
Connector	Removable Water Bloc™ lead connector
Sand Fighter®	Mechanical Seal
Filling	FES91/92 (Non-contaminating water filling)
Efficiency	High efficiency electrical design
Starting Torque	Automatic reversal starting torque
Approvals	KTW/VDE approved motor leads
Variants	Available in 316SS and 904L versions

6" DOL 304 SS

Code	Model	kW	HP	V	Axial Load (N)	Weight (Kg)
2036030400	236 610 9061	4,0	5,5	400,0	6,5	37,0
2036030550	236 611 9061	5,5	7,5	400,0	6,5	38,9
2036030750	236 612 9061	7,5	10,0	400,0	15,5	42,5
2036030930	236 001 9061	9,3	12,5	400,0	15,5	45,2
2036031100	236 613 9061	11,0	15,0	400,0	15,5	47,5
2036031500	236 614 9061	15,0	20,0	400,0	15,5	55,0
2036031850	236 615 9061	18,5	25,0	400,0	15,5	60,5
2036032200	236 616 9061	22,0	30,0	400,0	15,5	67,5
2036033000	236 617 9061	30,0	40,0	400,0	27,5	84,6
2036233700	276 618 6061	37,0	50,0	400,0	27,5	120,0
2036234500	276 619 6061	45,0	60,0	400,0	27,5	135,0

6" SD 304 SS

Code	Model	kW	HP	V	Axial Load (N)	Weight (Kg)
2036130400	236 710 9061	4,0	5,5	400,0	6,5	37,0
2036130550	236 711 9061	5,5	7,5	400,0	6,5	38,9
2036130750	236 712 9061	7,5	10,0	400,0	15,5	42,5
2036130930	236 011 9061	9,3	12,5	400,0	15,5	45,2
2036131100	236 713 9061	11,0	15,0	400,0	15,5	47,5
2036131500	236 714 9061	15,0	20,0	400,0	15,5	55,0
2036131850	236 715 9061	18,5	25,0	400,0	15,5	60,5
2036132200	236 716 9061	22,0	30,0	400,0	15,5	67,5
2036133000	236 717 9061	30,0	40,0	400,0	27,5	84,6
2036333700	276 718 6061	37,0	50,0	400,0	27,5	120,0
2036334500	276 719 6061	45,0	60,0	400,0	27,5	135,0

MOTOR CABLES

Code	Model	Description
2032025004	310 125 004	Cable 4 x %s m
2032045004	310 145 004	Cable 4 x %s m