



TECHNICAL DATASHEET

Franklin 6", 8" and 10" Rewindable Motors

6", 8" and 10" rewindable motors for heavy-duty applications, with powers up to 185kW.



Franklin Electric 6", 8", and 10" Rewindable Submersible Motors are designed for maximum reliability in demanding conditions. Featuring rewindable stators and high-durability mechanical seals, they are ideal for large water abstraction and industrial applications.

APPLICATIONS

- High demand water supply
- Large diameter boreholes
- Large-scale agricultural irrigation
- Mining and dewatering
- Industrial water supply

TECHNICAL DATA

TECHNICAL SPECIFICATIONS

Mounting	6" NEMA / 8" NEMA / 10" NEMA
Protection	IP 68
Starts/Hour	Max 20 (up to 22kW) • 15 (up to 75kW) • 10 (up to 185kW)
Installation	Vertical / Horizontal
Standard Voltage	380-415V/50Hz
Voltage Tolerance	+6% / -10% UN
Motor Protection	DIN 60947-4-1
Insulation	Class Y (PE2/PA)
Ambient Temp.	30°C
Cooling Flow	min. 0.3 m/s (up to 81kW) • 0.5 m/s (larger)

FEATURES

Stator	Rewindable stator design with PE2/PA insulated copper wire
Material	Outer casing, shaft and bolts in Stainless steel AISI 304
Efficiency	Efficient design: Low operation cost
Sand Fighter®	High durability SiC/SiC mechanical seal
Bearings	Water lubricated radial and axial bearings
Diaphragm	Large volume pressure compensation diaphragm
Filling	Water and glycerine fill (non-toxic)
100% Tested	100% Tested Quality

DIMENSÕES

Code	kW	HP	V	A	Axial Load (N)	Height (mm)	Weight (Kg)
2036501004	4,0	5,5	400,0	9,9	20.000,0	649,0	44,0
2036502055	5,5	7,5	400,0	13,3	20.000,0	678,0	47,0
2036503075	7,5	10,0	400,0	16,7	20.000,0	758,0	53,0
2036504093	9,3	12,5	400,0	20,5	20.000,0	800,0	57,0
2036505011	11,0	15,0	400,0	23,6	20.000,0	851,0	61,0
2036506013	13,0	17,5	400,0	27,9	20.000,0	911,0	66,0
2036507015	15,0	20,0	400,0	32,2	20.000,0	973,0	72,0
2036508185	18,5	25,0	400,0	40,2	20.000,0	1.006,0	80,0
2036509022	22,0	30,0	400,0	46,7	20.000,0	1.106,0	86,0
2036510265	26,5	35,0	400,0	55,2	27.000,0	1.217,0	90,0
2036511030	30,0	40,0	400,0	62,1	27.000,0	1.247,0	104,0
2036512037	37,0	50,0	400,0	78,5	27.000,0	1.347,0	112,0

DIMENSÕES

Code	kW	HP	V	A	Axial Load (N)	Height (mm)	Weight (Kg)
2038500030	30,0	40,0	400,0	59,3	45.000,0	1.056,0	127,0
2038500037	37,0	50,0	400,0	71,4	45.000,0	1.116,0	133,0
2038500045	45,0	60,0	400,0	86,8	45.000,0	1.201,0	140,0
2038500052	52,0	70,0	400,0	99,2	45.000,0	1.286,0	146,0
2038500055	55,0	75,0	400,0	107,4	45.000,0	1.286,0	152,0
2038500060	60,0	80,0	400,0	115,7	45.000,0	1.341,0	160,0
2038500067	67,0	90,0	400,0	129,3	45.000,0	1.366,0	169,0
2038500075	75,0	100,0	400,0	144,7	45.000,0	1.391,0	190,0
2038500081	81,0	110,0	400,0	156,3	45.000,0	1.471,0	197,0
2038500092	92,0	125,0	400,0	177,5	45.000,0	1.536,0	208,0

DIMENSÕES

Code	kW	HP	V	A	Axial Load (N)	Height (mm)	Weight (Kg)
2031031081	81,0	110,0	400,0	153,0	75.000,0	1.370,0	255,0
2031032092	92,0	125,0	400,0	174,0	75.000,0	1.430,0	274,0
2031033110	110,0	150,0	400,0	210,0	75.000,0	1.510,0	299,0
2031034129	129,0	175,0	400,0	238,0	75.000,0	1.610,0	328,0
2031035147	147,0	200,0	400,0	274,0	75.000,0	1.740,0	368,0
2031036166	166,0	225,0	400,0	310,0	75.000,0	1.820,0	368,0
2031037185	185,0	250,0	400,0	349,0	75.000,0	1.820,0	436,0