Equipment and solutions

Franklin Electric 4″ Submersible Motor

Product technical datasheet

Franklin Electric 4″ encapsulated submersible motors.

FT-P016 · Rev. 1



Franklin Electric 4″ encapsulated submersible motors deliver efficiency and durability for pumping systems, with power ratings from 0.25kW to 7.5kW. Manufactured with corrosion-resistant materials and water lubrication technology, suitable for domestic, industrial and.

Applications

- Clean water pumping in 4” boreholes
- Domestic water supply.
- Agricultural irrigation and gardens.
- Hydropneumatic systems.

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Flange
4" NEMA

Protection
IP 68

Insulation
Class B

Ambient Temp.
30°C

Starts/Hour
20

Installation
Vertical / Horizontal

Applications

- Clean water pumping in 4” boreholes
- Domestic water supply.
- Agricultural irrigation and gardens.
- Hydropneumatic systems.

Operating conditions

Voltage Tolerance
+6% / -10% UN

Motor Protection
Integrated

Cable
3x 1,5 mm² ; 1,5 m

Note
Cable included / Capacitor not included

Stator
Hermetically sealed stator

Bearings
Water lubricated radial and thrust bearing

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note Confirm the installation conditions, power supply and duty point before commissioning.

Technical specifications

Applications

Material

Stainless Steel AISI 304 (1.4301)

Connector

Removable Water Bloc™ lead connector

Resin

Anti-track, self healing stator resin

Filling

Non-contaminating water filling

Efficiency

High efficiency electrical design

Starting Torque

Automatic reversal starting torque

Approvals

KTW/VDE approved motor leads

Engineering note

Confirm the installation conditions, power supply and duty point before commissioning.

Standard Models (AISI 304) · 1/2

Dimensions and models

Code	Model	kW	HP	V	A	Capacitor (uF)	Axial Load (N)	Weight (Kg)
2034011025	254 803 1621	0.25	0.33	230	2.4	12.5	3000	7.4
2034011037	254 805 1621	0.37	0.5	230	3.3	16	3000	8.0
2034011055	254 807 1621	0.55	0.75	230	4.3	20	3000	9.2
2034011075	254 808 1621	0.75	1	230	5.7	35	3000	10.4
2034013110	254 809 1621	1.1	1.5	230	8.4	40	3000	11.8
2034013150	254 810 1621	1.5	2	230	10.7	50	3000	12.9
2034013220	254 811 2521	2.2	3	230	14.7	70	4000	17.3
2034031037	234 761 1621	0.37	0.5	400	1.1	-	3000	7.2
2034031055	234 762 1621	0.55	0.75	400	1.5	-	3000	7.7
2034031075	234 763 1621	0.75	1	400	2.0	-	3000	8.7
2034033110	234 724 1621	1.1	1.5	400	2.8	-	3000	10.2
2034033150	234 725 1621	1.5	2	400	3.9	-	3000	11.2
2034033220	234 726 2521	2.2	3	400	5.5	-	4000	12.6
2034033300	234 764 2521	3	4	400	7.5	-	4000	15.0
2034036220	234 726 3421	2.2	3	400	5.5	-	6500	15.0
2034036300	234 764 3421	3	4	400	7.5	-	6500	17.0

Standard Models (AISI 304) · 2/2

Dimensions and models

Code	Model	kW	HP	V	A	Capacitor (uF)	Axial Load (N)	Weight (Kg)
2034036370	234 727 3421	3.7	5	400	9.0	-	6500	19.1
2034036400	234 765 3421	4	5.5	400	9.9	-	6500	20.0
2034036550	234 728 3421	5.5	7.5	400	12.6	-	6500	26.6
2034036750	234 729 3421	7.5	10	400	17.1	-	6500	30.6

Stainless Steel AISI 316 · 1/2

Dimensions and models

Code	Model	kW	HP	V	A	Capacitor (uF)	Axial Load (N)	Weight (Kg)
2034111025	214 753 0521	0.25	0.33	230	2.4	12.5	3000	7.4
2034111037	214 755 0521	0.37	0.5	230	3.3	16	3000	8.0
2034111055	214 757 0521	0.55	0.75	230	4.3	20	3000	9.2
2034111075	214 758 0521	0.75	1	230	5.7	35	3000	10.4
2034113110	224 750 0521	1.1	1.5	230	8.4	40	3000	11.8
2034113150	224 751 0521	1.5	2	230	10.7	50	3000	12.9
2034113220	224 752 2221	2.2	3	230	14.7	70	4000	17.3
2034131037	234 761 0521	0.37	0.5	400	1.1	-	4000	7.2
2034131055	234 762 0521	0.55	0.75	400	1.5	-	4000	7.7
2034131075	234 763 0521	0.75	1	400	2.0	-	4000	8.7
2034133110	234 724 0521	1.1	1.5	400	2.8	-	4000	10.2
2034133150	234 725 0521	1.5	2	400	3.9	-	4000	11.2
2034133220	234 726 2221	2.2	3	400	5.5	-	4000	12.6
2034133300	234 764 2221	3	4	400	7.5	-	4000	15.0
2034136220	234 726 3521	2.2	3	400	5.5	-	6500	15.0
2034136300	234 764 3521	3	4	400	7.5	-	6500	17.0

Stainless Steel AISI 316 · 2/2

Dimensions and models

Code	Model	kW	HP	V	A	Capacitor (uF)	Axial Load (N)	Weight (Kg)
2034136370	234 727 3521	3.7	5	400	9.0	-	6500	19.1
2034136400	234 765 3521	4	5.5	400	9.9	-	6500	20.0
2034136550	234 728 3521	5.5	7.5	400	12.6	-	6500	26.6
2034136750	234 729 3521	7.5	10	400	17.1	-	6500	30.6

4" Super Coated Cable

Dimensions and models

Code	Model	Description
2054196750	310 113 401	4-core cable
2054206750	310 113 402	4-core cable
2054216750	310 113 405	4-core cable
2054196751	310 113 501	4-core cable
2054206751	310 113 502	4-core cable