

JP PUMP MOTORS



General Specifications:

For use with close-coupled pumps having NEMA JP mounting and shaft dimensions. In such applications, the pump impeller is mounted directly on the motor shaft. Designed for continuous duty service. All motors listed are 1.15 Service Factor.

Mechanical Features:

Open drip-proof construction with rigid base mounting. Locked bearing on shaft end limits axial shaft movement. For use where the environment is relatively clean and dry. For outdoor use, an enclosure or drip cover may be preferred. See the Drip Cover Kit table. Some 182-4JP frame motors have enclosed endshields as standard with frame meeting the 12° drip-proof requirement. No drip cover is needed, or shown in the table, for these motors.

Electrical Features:

UL Recognized and CSA Certified. Single phase designs are capacitor start, induction run.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

SINGLE PHASE • DRIP-PROOF • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	Over load Prot.	F.L. Amps 230V	"C" Dim. (Inches)	Drip Cover Kit Ref.
5	3600	184JP	131881.00	95	230	None	22.0	19.38	...
7½	3600	213JP	140646.00	121	230	None	37.0	14.17	C
10	3600	215JP	140647.00	138	230	None	47.0	15.67	C

THREE PHASE • DRIP-PROOF • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	% F.L. Eff.	F.L. Amps 230V	"C" Dim. (Inches)	Drip Cover Kit Ref.
1½	1800	145JP	G121846.00 A	38	208-230/460	84.0	4.4	17.68	A
2	1800	145JP	G121847.00 A	46	208-230/460	84.0	5.8	18.48	A
3	3600	145JP	G121849.00 A	46	208-230/460	84.0	8.4	16.68	A
	1800	182JP	G131882.00*	58	208-230/460	86.5	9.2	19.91	E
5	3600	182JP	G131884.00	65	208-230/460	85.5	12.0	19.65	E
	1800	182JP	G131883.00	70	208-230/460	87.5	13.2	20.41	E
7½	3600	184JP	G131885.00 A	80	208-230/460	87.5	17.6	20.41	E
	1800	213JP	G140667.00	146	208-230/460	88.5	19.2	23.03	D
10	3600	213JP	G140655.00	140	208-230/460	88.5	23.4	23.03	C
	1800	215JP	G140668.00 A	134	208-230/460	89.5	25.0	25.00	D
15	3600	215JP	G140656.00	147	208-230/460	89.5	34.0	34.00	C
	1800	254JP	G801051.00	170	208-230/460	91.0	38.5	38.50	...
20	3600	254JP	G801056.00	175	208-230/460	90.2	46.0	25.29	...
	1800	256JP	G801052.00	222	208-230/460	91.0	52.0	52.00	...
25	3600	256JP	G801057.00	181	208-230/460	91.0	58.0	27.04	...
	1800	284JP	G801053.00 A	332	230/460	91.7	61.0	27.18	...
30	3600	284JP	G801058.00	336	230/460	91.0	73.0	27.18	...
	1800	286JP	G801054.00	342	230/460	92.4	72.0	28.68	...
40	3600	286JP	G801059.00	385	230/460	91.7	94.0	28.68	...
	1800	324JP	G801055.00	515	230/460	93.0	97.0	29.12	...
50	3600	324JP	G801060.00	472	230/460	92.4	117.0	29.12	...

* F1 mounting only.
A Subject to Availability.

DRIP COVER KITS FOR JP PUMP MOTORS

Kit Ref.	Frame	Catalog Number	Enclosure
A	56-145JP	175932.00	ODP or TEFC
B	182JP-184JP	175933.00	ODP
C	213JP-215JP	175305.00	ODP
D	213JP-215JP	175846.00	ODP
E	182JP-184JP	175614.00	ODP

Catalog Numbers in Green are EPACT Motors.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

All three phase motors, 1 HP and above, are inverter rated.

Specifications are subject to change without notice



JM PUMP MOTORS

THREE PHASE

AC MOTORS

JM PUMP MOTORS

General Specifications:

Designed for continuous duty service on close-coupled pumps using NEMA JM mounting provisions. All motors have a rigid mounting base and NEMA JM pump shaft.



Mechanical Features:

Totally enclosed fan cooled construction for maximum life in dirty or severe environments. Oversized locked bearing on shaft end limits axial shaft movement. Drip covers are available as accessory kits for 143-5JM and 182-4JM motors—see letter designations in the table for the correct kit. Some 182-4JM frame motors have enclosed endshields as standard with frame vents meeting the 12° drip-proof requirement. No drip cover is needed, or shown in the table, for these motors.

Electrical Features:

High efficiency copper windings with NEMA 1.15 service factors. UL and CSA recognized designs. All 180 and 210 frame Rolled Steel motors have Class F Insulation.

See page 216 for Drip Cover Kits.

THREE PHASE • TEFC • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)	Drip Cover Kit Ref.
1	1800	143JM	G121855.00	35	208-230/460	3.0	82.5	15.00	B
1½	3600	143JM	G121858.00	37	208-230/460	4.0	82.5	15.00	B
	1800	145JM	G121856.00	46	208-230/460	4.4	84.0	16.50	B
2	3600	145JM	G121859.00	38	208-230/460	5.2	84.0	15.50	B
	1800	145JM	G121857.00	50	208-230/460	5.6	84.0	16.00	B
3	3600	145JM	G121860.00	49	208-230/460	7.4	85.5	17.35	B
	1800	182JM	G131579.00	75	230/460	8.4	87.5	17.85	D
5	3600	184JM	G131580.00	82	208-230/460	12.4	87.5	18.35	D
	1800	184JM	G131581.00	97	230/460	12.6	87.5	18.85	D
7½	3600	184JM	G131582.00	104	208-230/460	18.4	88.5	22.09	D
	3600	S213JM	G132027.00	121	208-230/460	18.4	88.5	22.09	D
	1800	215JM	G140622.00	127	208-230/460	20.0	89.5	20.59	G
10	3600	213JM	G141122.00	130	208-230/460	24.0	89.5	22.09	D
	1800	215JM	G140623.00	145	208-230/460	25.6	90.2	22.09	G
15	3600	215JM	G140764.00	139	208-230/460	35.0	90.2	24.74	...
	3600	254JM	G151567.60	171	208-230/460	35.0	90.2	24.80	...
	1800	254JM	G151568.60	287	208-230/460	37.0	91.0	24.80	...
20	3600	254JM	G151569.60	299	208-230/460	46.2	90.2	24.80	...
	1800	254JM	G151570.60	324	208-230/460	48.2	91.0	26.50	...
25	3600	256JM	G151417.60	311	208-230/460	56.4	91.0	28.00	I
	1800	284JM	G151418.60	373	208-230/460	58.8	92.4	28.17	...
30	3600	284JM	G151420.60	378	208-230/460	69.2	91.0	28.17	...
	1800	286JM	G151422.60	431	208-230/460	69.8	92.4	29.74	...
40	3600	286JM	G151424.60	499	208-230/460	93.0	91.7	29.74	...
	1800	324JM	G151426.60	531	208-230/460	90.0	93.0	32.33	...

TEFC JP PUMP MOTORS • RIGID BASE

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 115V	% F.L. Eff.	"C" Dim. (Inches)
1 1/2	1800	145JP	G151736.60	54	208-230/460	4.5	85.5	18.66
2	1800	145JP	G151737.60	57	208-230/460	5.8	85.5	18.66
3	3600	182JP	G151738.60	91	208-230/460	7.4	85.5	20.71
	1800	182JP	G151739.60	95	208-230/460	8.5	87.5	20.71
5	3600	184JP	G151740.60	103	208-230/460	12.0	87.5	20.71
	1800	184JP	G151741.60	103	208-230/460	13.8	87.5	20.71
7 1/2	3600	213JP	G151742.60	156	208-230/460	17.8	88.5	20.71
	1800	213JP	G151743.60	158	208-230/460	19.2	89.5	24.02
10	3600	215JP	G151744.60	166	208-230/460	23.6	89.5	24.02
	1800	215JP	G151745.60	179	208-230/460	25.2	89.5	25.74
15	3600	215JP	G151746.60	249	208-230/460	35.0	90.2	25.74
	1800	254JP	G151747.60	281	208-230/460	37.0	92.4	28.03
20	3600	254JP	G151748.60	260	208-230/460	46.2	90.2	28.03
	1800	256JP	G151749.60	324	208-230/460	48.2	91.0	29.76
25	3600	256JP	G151750.60	366	208-230/460	58.2	91.0	29.76
	1800	284JP	G151751.60	391	208-230/460	58.8	92.4	30.04
30	3600	286JP	G151752.60	380	208-230/460	69.2	91.0	30.04
	1800	286JP	G151753.60	438	208-230/460	69.8	92.4	31.61
40	3600	324JP	G151754.60	580	208-230/460	93.0	91.7	31.61
	1800	324JP	G151755.60	583	208-230/460	90.0	93.0	32.80
50	3600	326JP	G151756.60	610	208-230/460	112.0	92.4	34.17

TEFC JP PUMP MOTORS

General Specifications:

For use with close-coupled pumps having NEMA JP mounting and shaft dimensions. Used in applications where the pump impeller is mounted directly on the motor shaft. Designed for continuous duty service.

Features include:

- 1.25 Service Factor
- All cast iron construction
- E pact Efficient
- Re-greasable bearings
- UL Recognized and CSA certified
- Class F Insulation



Washdown JM Pump motors page 87
Stainless JM pump motors on page 92.

Catalog Numbers in Green are EPACT Motors.

All three phase motors, 1 HP and above, are inverter rated.

Specifications are subject to change without notice