

CLOSE COUPLED PUMP MOTORS

HIGH EFFICIENCY



JM

TEFC – THREE PHASE

WEG offers both JM and JP standardized types of close-coupled pump line of motors. Totally enclosed enclosures permit these motors to operate in moist or dusty atmospheres.



JP

FRACTIONAL HP

GENERAL PURPOSE

NEVA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS

APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

STANDARD FEATURES

- 3 phase, II, IV, VI and VIII pole, 60Hz
- Voltage: 208-230/460, 460V
- Cast iron frames
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC
- V-ring slingers on both endshields
- Ball bearings
- Service Factor: 1.25
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 5007 – Blue
- NPT threaded terminal box
- Automatic drain plugs
- Regreasable bearings system (frames 254JM/JP frames and up)

OPTIONAL FEATURES

- Cable glands
- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- 575V

* Design B torque rating on nameplate can be re-plated for Design C.



APPROVED BY



E 104590



APPROVED BY



LR 50 965-91314



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"M" TVE - TEFC - THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143JM	00118EP3E143JM	497	P1	47	1.49	82.5	14.304	208-230/460V	
	3600	143JM	00156EP3E143JM	527	P1	45	1.99	82.5	14.304	208-230/460V	
1.5	1800	145JM	00158EP3E145JM	509	P1	54	2.05	84.0	15.304	208-230/460V	
	3600	145JM	00236EP3E145JM	583	P1	47	2.60	84.0	15.304	208-230/460V	
2	1800	145JM	00218EP3E145JM	560	P1	56	2.70	84.0	15.304	208-230/460V	
	3600	145JM	00336EP3E145JM	647	P1	54	3.71	85.5	15.304	208-230/460V	♣
3	3600	182JM	00336EP3E182JM	744	P1	106	3.59	85.5	15.996	208-230/460V	
	1800	182JM	00318EP3E182JM	886	P1	97	3.90	87.5	15.996	208-230/460V	
5	3600	184JM	00536EP3E184JM	922	P1	114	5.90	87.5	17.020	208-230/460V	
	1800	184JM	00518EP3E184JM	993	P1	102	6.48	87.5	17.020	208-230/460V	
7.5	3600	184JM	00736EP3E184JM	1,125	P1	128	8.76	88.5	17.020	208-230/460V	♣
	3600	213JM	00736EP3E213JM	1,277	P1	150	8.66	88.5	18.678	208-230/460V	
10	1800	213JM	00718EP3E213JM	1,256	P1	150	9.53	89.5	18.678	208-230/460V	
	3600	215JM	01036EP3E215JM	1,581	P1	150	11.7	89.5	20.174	208-230/460V	
15	1800	215JM	01018EP3E215JM	1,502	P1	165	12.8	90.2	20.174	208-230/460V	
	3600	215JM	01536EP3E215JM	1,803	P1	174	17.3	90.2	20.174	208-230/460V	♣
20	3600	254JM	01536EP3E254JM	2,029	P1	280	17.0	90.2	24.370	208-230/460V	
	1800	254JM	01518EP3E254JM	2,256	P1	266	17.9	91.0	24.370	208-230/460V	
25	3600	254JM	02036EP3E254JM	2,368	P1	304	23.3	90.2	24.370	208-230/460V	♣
	3600	256JM	02036EP3E256JM	2,568	P1	313	23.3	90.2	26.102	208-230/460V	
30	1800	256JM	02018EP3E256JM	2,490	P1	313	24.4	91.0	26.102	208-230/460V	
	3600	256JM	02536EP3E256JM	2,803	P1	313	28.4	91.0	26.102	208-230/460V	♣
35	3600	284JM	02536EP3E284JM	2,989	P1	353	29.0	91.0	27.165	208-230/460V	
	1800	284JM	02518EP3E284JM	3,186	P1	437	29.6	92.4	27.165	208-230/460V	◆
40	3600	284JM	03036EP3E284JM	3,545	P1	399	33.8	91.0	27.165	208-230/460V	♣
	3600	286JM	03036EP3E286JM	3,797	P1	404	33.8	91.0	28.700	208-230/460V	
45	1800	286JM	03018EP3E286JM	3,559	P1	481	34.4	92.4	28.700	208-230/460V	◆
	3600*	286JM	04036EP3E286JM	4,353	P1	448	46.6	91.7	28.700	208-230/460V	♣
50	3600	324JM	04036EP3E324JM	4,746	P1	561	46.1	91.7	28.149	208-230/460V	
	1800	324JM	04018EP3E324JM	4,803	P1	587	47.6	93.0	28.149	208-230/460V	◆
55	3600	324JM	05036EP3E324JM	5,070	P1	565	56.5	92.4	28.149	208-230/460V	♣
	3600	326JM	05036EP3E326JM	5,502	P1	594	56.5	92.4	29.645	208-230/460V	
60	1800	326JM	05018EP3E326JM	5,500	P1	640	57.8	93.6	29.645	208-230/460V	◆
	3600	326JM	06036EP3E326JM	6,598	P1	594	69.0	93.0	29.645	208-230/460V	♣
65	3600	364JM	06036EP3E364JM	7,137	P1	917	69.0	93.0	33.031	208-230/460V	
	1800	326JM	06018EP3E326JM	7,349	P1	687	72.7	93.6	29.645	208-230/460V	◆♣
70	1800	364JM	06018EP3E364JM	7,805	P1	963	67.0	93.6	33.031	208-230/460V	◆
	3600	364JM	07536EP3E364JM	8,995	P1	1025	82.5	93.0	33.031	208-230/460V	♣
75	3600	365JM	07536EP3E365JM	9,848	P1	1025	82.5	93.0	33.031	208-230/460V	
	1800	365JM	07518EP3E365JM	8,860	P1	1010	82.4	94.1	33.031	208-230/460V	◆

- ELECTRICAL FEATURES ON PAGE B-39.
- MECHANICAL FEATURES ON PAGE B-86.

♣ = Reduced Frame

◆ = Product may not be available from stock

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER/DUTY

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"JP" TYPE - TEFC - THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143JP	00118EP3E143JP	508	P1	47	1.49	82.5	17.365	208-230/460V	
1.5	3600	143JP	00156EP3E143JP	537	P1	45	1.99	82.5	17.365	208-230/460V	
	1800	145JP	00158EP3E145JP	519	P1	54	2.05	84.0	18.365	208-230/460V	
2	3600	145JP	00236EP3E145JP	594	P1	47	2.60	84.0	18.365	208-230/460V	
	1800	145JP	00218EP3E145JP	571	P1	56	2.70	84.0	18.365	208-230/460V	
3	3600	145JP	00336EP3E145JP	632	P1	54	3.71	85.5	18.365	208-230/460V	♣
	3600	182JP	00336EP3E182JP	759	P1	106	3.59	85.5	19.057	208-230/460V	
	1800	182JP	00318EP3E182JP	905	P1	97	3.90	87.5	19.057	208-230/460V	
5	3600	184JP	00536EP3E184JP	941	P1	114	5.90	87.5	20.395	208-230/460V	
	1800	184JP	00518EP3E184JP	1,013	P1	102	6.48	87.5	20.395	208-230/460V	
7.5	3600	184JP	00736EP3E184JP	1,146	P1	128	8.76	88.5	20.395	208-230/460V	♣
	3600	213JP	00736EP3E213JP	1,303	P1	150	8.66	88.5	22.550	208-230/460V	
	1800	213JP	00718EP3E213JP	1,280	P1	150	9.53	89.5	22.550	208-230/460V	
10	3600	215JP	01036EP3E215JP	1,613	P1	150	11.7	89.5	24.046	208-230/460V	
	1800	215JP	01018EP3E215JP	1,533	P1	165	12.8	90.2	24.046	208-230/460V	
15	3600	215JP	01536EP3E215JP	1,791	P1	174	17.3	90.2	24.046	208-230/460V	♣
	3600	254JP	01536EP3E254JP	2,069	P1	280	17.0	90.2	26.964	208-230/460V	
	1800	254JP	01518EP3E254JP	2,300	P1	266	17.9	91.0	26.964	208-230/460V	◆
20	3600	254JP	02036EP3E254JP	2,451	P1	304	23.3	90.2	26.964	208-230/460V	♣
	3600	256JP	02036EP3E256JP	2,621	P1	313	23.3	90.2	28.736	208-230/460V	
	1800	256JP	02018EP3E256JP	2,541	P1	313	24.4	91.0	28.736	208-230/460V	◆
25	3600	256JP	02536EP3E256JP	2,790	P1	313	28.4	91.0	28.736	208-230/460V	♣
	3600	284JP	02536EP3E284JP	3,049	P1	353	29.0	91.0	30.079	208-230/460V	
	1800	284JP	02518EP3E284JP	3,249	P1	437	29.6	92.4	30.079	208-230/460V	◆
30	3600	284JP	03036EP3E284JP	3,519	P1	399	33.8	91.0	30.079	208-230/460V	♣
	3600	286JP	03036EP3E286JP	3,872	P1	404	33.8	91.0	31.575	208-230/460V	
	1800	286JP	03018EP3E286JP	3,630	P1	481	34.4	92.4	31.575	208-230/460V	◆
40	3600	286JP	04036EP3E286JP	4,545	P1	448	46.6	91.7	31.575	208-230/460V	♣
	3600	324JP	04036EP3E324JP	4,840	P1	561	46.1	91.7	32.525	208-230/460V	
	1800	324JP	04018EP3E324JP	4,900	P1	587	47.6	93.0	32.525	208-230/460V	◆
50	3600	324JP	05036EP3E324JP	4,954	P1	565	56.5	92.4	32.525	208-230/460V	♣
	3600	326JP	05036EP3E326JP	5,613	P1	594	56.5	92.4	34.021	208-230/460V	
	1800	326JP	05018EP3E326JP	5,611	P1	640	57.8	93.6	34.021	208-230/460V	◆
60	3600	326JP	06036EP3E326JP	7,954	P1	594	69.0	93.0	34.021	208-230/460V	♣
	3600	364JP	06036EP3E364JP	8,412	P1	917	69.0	93.0	35.916	208-230/460V	
	1800	326JP	06018EP3E326JP	7,176	P1	687	72.7	93.6	34.021	208-230/460V	♣◆
	1800	364JP	06018EP3E364JP	7,960	P1	963	67.0	93.6	35.916	208-230/460V	◆
75	3600	364JP	07536EP3E364JP	9,623	P1	1025	82.5	93.0	35.916	208-230/460V	♣
	3600	365JP	07536EP3E365JP	10,045	P1	1025	82.5	93.0	35.916	208-230/460V	
	1800	365JP	07518EP3E365JP	9,038	P1	1010	82.4	94.1	35.916	208-230/460V	◆
100	3600	405JP	10036EP3E405JP	11,449	P1	1361	113	93.6	38.911	208-230/460V	
	3600	405JP	10036EP3G405JP	11,449	P1	1361	113	93.6	38.911	460V	
	1800	405JP	10018EP3E405JP	10,269	P1	1273	115	94.5	38.911	208-230/460V	◆
	1800	405JP	10018EP3G405JP	10,269	P1	1273	115	94.5	38.911	460V	◆

• ELECTRICAL FEATURES ON PAGE B-40. • MECHANICAL FEATURES ON PAGE B-86.

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