

CLOSE COUPLED PUMP MOTORS

STANDARD EFFICIENCY



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.



JM



JP

FRACTIONAL HP

GENERAL PURPOSE

NEMA 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 (IP55)
- V-ring slingers on both endshields
- Ball bearings
- Service Factor: 1.15
- 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 7022 (Dark Gray)
- 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

WEG also can provide IEC metric frame, cast iron, TEFC. Please ask for specific catalog. All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA.



APPROVED BY
UL
E 104590



APPROVED BY
SA
LR 50.962-9/13/14



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"JM" 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	143JM	00118ES3E143JM	411	P1	40	1.51	78.0	14.304	208-230/460V	
	3600	143JM	00156ES3E143JM	434	P1	40	2.04	78.0	14.304	208-230/460V	
1.5	1800	145JM	00158ES3E145JM	449	P1	40	2.19	79.0	15.304	208-230/460V	
	3600	145JM	00236ES3E145JM	467	P1	44	2.73	78.5	15.304	208-230/460V	
2	1800	145JM	00218ES3E145JM	470	P1	52	2.93	82.5	15.304	208-230/460V	
	3600	145JM	00336ES3E145JM	533	P1	49	4.04	81.5	15.304	208-230/460V	♣
3	3600	W182JM	00336ES3E182JM	578	P1	88	4.04	81.5	15.996	208-230/460V	
	1800	W182JM	00318ES3E182JM	583	P1	73	4.13	81.5	15.996	208-230/460V	
	3600	W184JM	00536ES3E184JM	810	P1	97	6.15	84.5	17.020	208-230/460V	
5	1800	W184JM	00518ES3E184JM	756	P1	106	6.50	85.0	17.020	208-230/460V	
	3600	184JM	00736ES3E184JM	851	P1	99	9.15	86.7	17.020	208-230/460V	♣
7.5	3600	213JM	00736ES3E213JM	935	P1	145	8.95	86.5	18.678	208-230/460V	
	1800	213JM	00718ES3E213JM	959	P1	152	9.70	87.0	18.678	208-230/460V	
	3600	213JM	01036ES3E213JM	1,093	P1	154	12.2	87.6	18.678	208-230/460V	♣
10	3600	215JM	01036ES3E215JM	1,114	P1	156	12.2	87.6	20.174	208-230/460V	
	1800	213JM	01018ES3E213JM	1,094	P1	150	12.8	89.0	18.678	208-230/460V	♣
	1800	215JM	01018ES3E215JM	1,170	P1	150	12.8	89.0	20.174	208-230/460V	
	3600	215JM	01536ES3E215JM	1,372	P1	172	17.7	87.8	20.174	208-230/460V	♣
15	3600	254JM	01536ES3E254JM	1,570	P1	260	18.2	87.5	24.370	208-230/460V	
	1800	254JM	01518ES3E254JM	1,642	P1	233	18.8	88.5	24.370	208-230/460V	
	3600	254JM	02036ES3E254JM	1,705	P1	255	24.1	89.0	24.370	208-230/460V	♣
20	3600	256JM	02036ES3E256JM	1,926	P1	269	24.1	89.0	26.102	208-230/460V	
	1800	256JM	02018ES3E256JM	1,980	P1	277	25.2	90.2	26.102	208-230/460V	
	3600	256JM	02536ES3E256JM	2,105	P1	271	29.5	89.5	26.102	208-230/460V	♣
25	3600	284JM	02536ES3E284JM	2,378	P1	346	29.7	89.0	27.165	208-230/460V	
	1800	284JM	02518ES3E284JM	2,456	P1	371	30.2	90.5	27.165	208-230/460V	
	3600	284JM	03036ES3E284JM	2,565	P1	395	35.1	89.5	27.165	208-230/460V	♣
30	3600	286JM	03036ES3E286JM	2,730	P1	399	35.1	89.5	28.700	208-230/460V	
	1800	286JM	03018ES3E286JM	2,765	P1	393	36.1	91.0	28.700	208-230/460V	
	3600	286JM	04036ES3E286JM	3,061	P1	404	48.6	90.2	28.700	208-230/460V	♣
40	3600	324JM	04036ES3E324JM	3,734	P1	515	47.4	90.4	28.149	208-230/460V	
	1800	324JM	04018ES3E324JM	3,342	P1	506	48.3	91.7	28.149	208-230/460V	
	3600	324JM	05036ES3E324JM	3,917	P1	563	57.0	92.2	28.149	208-230/460V	♣
50	3600	326JM	05036ES3E326JM	4,348	P1	574	57.0	92.2	29.645	208-230/460V	
	1800	326JM	05018ES3E326JM	3,878	P1	557	58.5	92.4	29.645	208-230/460V	
	3600	326JM	06036ES3E326JM	4,565	P1	640	70.5	92.0	29.645	208-230/460V	♣
60	3600	364JM	06036ES3E364JM	5,461	P1	948	68.5	91.7	33.031	208-230/460V	
	1800	326JM	06018ES3E326JM	4,943	P1	640	72.0	92.5	29.645	208-230/460V	♣
	1800	364JM	06018ES3E364JM	6,695	P1	948	70.0	93.0	33.031	208-230/460V	
75	3600	364JM	07536ES3E364JM	6,960	P1	1058	83.0	92.4	33.031	208-230/460V	♣
	3600	365JM	07536ES3E365JM	8,318	P1	1058	83.0	92.4	33.031	208-230/460V	
	1800	365JM	07518ES3E365JM	7,076	P1	1025	84.5	93.0	33.031	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-37. • MECHANICAL FEATURES ON PAGE B-86.

♣ = Reduced Frame ♣ = Product may not be available from stock

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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	00118ES3E143JP	411	P1	40	1.51	78.0	17.365	208-230/460V	
	3600	143JP	00156ES3E143JP	434	P1	40	2.04	78.0	17.365	208-230/460V	
1.5	3600	143JP	00156ES3V143JP	434	P1	40	2.04	78.0	17.365	200/400V	
	1800	145JP	00158ES3E145JP	449	P1	40	2.19	79.0	18.365	208-230/460V	
2	3600	145JP	00236ES3E145JP	467	P1	44	2.73	78.5	18.365	208-230/460V	
	3600	145JP	00236ES3V145JP	467	P1	44	2.73	78.5	18.365	200/400V	
	1800	145JP	00218ES3E145JP	470	P1	52	2.93	82.5	18.365	208-230/460V	
3	3600	145JP	00336ES3E145JP	522	P1	49	4.04	81.5	18.365	208-230/460V	♣
	3600	W182JP	00336ES3E182JP	663	P1	88	4.04	81.5	19.057	208-230/460V	
	3600	W182JP	00336ES3V182JP	663	P1	88	4.04	81.5	19.057	200/400V	
	1800	W182JP	00318ES3E182JP	594	P1	73	4.13	81.5	19.057	208-230/460V	
5	3600	W184JP	00536ES3E184JP	810	P1	97	6.15	84.5	20.395	208-230/460V	
	3600	W184JP	00536ES3V184JP	810	P1	97	6.15	84.5	20.395	200/400V	
	1800	W184JP	00518ES3E184JP	770	P1	106	6.50	85.0	20.395	208-230/460V	
7.5	3600	184JP	00736ES3E184JP	851	P1	99	9.15	86.7	20.395	208-230/460V	♣
	3600	213JP	00736ES3E213JP	1,038	P1	145	8.95	86.5	22.550	208-230/460V	
	3600	213JP	00736ES3V213JP	1,038	P1	145	8.95	86.5	22.550	200/400V	
	1800	213JP	00718ES3E213JP	977	P1	152	9.70	87.0	22.550	208-230/460V	
10	3600	213JP	01036ES3E213JP	1,093	P1	154	12.2	87.6	22.550	208-230/460V	♣
	3600	215JP	01036ES3E215JP	1,114	P1	156	12.2	87.6	24.046	208-230/460V	
	3600	215JP	01036ES3V215JP	1,114	P1	156	12.2	87.6	24.046	200/400V	
	1800	213JP	01018ES3E213JP	1,043	P1	150	12.8	89.0	22.550	208-230/460V	♣
	1800	215JP	01018ES3E215JP	1,124	P1	150	12.8	89.0	24.046	208-230/460V	
15	3600	215JP	01536ES3E215JP	1,372	P1	172	17.7	87.8	24.046	208-230/460V	♣
	3600	254JP	01536ES3E254JP	1,598	P1	260	18.2	87.5	26.964	208-230/460V	
	3600	254JP	01536ES3V254JP	1,598	P1	260	18.2	87.5	26.964	200/400V	
	1800	254JP	01518ES3E254JP	1,642	P1	233	18.8	88.5	26.964	208-230/460V	
20	3600	254JP	02036ES3E254JP	1,705	P1	255	24.1	89.0	26.964	208-230/460V	♣
	3600	256JP	02036ES3E256JP	1,781	P1	269	24.1	89.0	28.736	208-230/460V	
	3600	256JP	02036ES3V256JP	1,781	P1	269	24.1	89.0	28.736	200/400V	
	1800	256JP	02018ES3E256JP	1,980	P1	277	25.2	90.2	28.736	208-230/460V	
25	3600	256JP	02536ES3E256JP	2,105	P1	271	29.5	89.5	28.736	208-230/460V	♣
	3600	284JP	02536ES3E284JP	2,443	P1	346	29.7	89.0	30.079	208-230/460V	
	3600	284JP	02536ES3V284JP	2,443	P1	346	29.7	89.0	30.079	200/400V	
	1800	284JP	02518ES3E284JP	2,505	P1	371	30.2	90.5	30.079	208-230/460V	
30	3600	284JP	03036ES3E284JP	2,573	P1	395	35.1	89.5	30.079	208-230/460V	♣
	3600	286JP	03036ES3E286JP	2,716	P1	399	35.1	89.5	31.575	208-230/460V	
	3600	286JP	03036ES3V286JP	2,716	P1	399	35.1	89.5	31.575	200/400V	
	1800	286JP	03018ES3E286JP	2,765	P1	393	36.1	91.0	31.575	208-230/460V	
40	3600	286JP	04036ES3E286JP	3,243	P1	404	48.6	90.2	31.575	208-230/460V	♣
	3600	324JP	04036ES3E324JP	3,513	P1	515	47.4	90.4	32.525	208-230/460V	
	3600	324JP	04036ES3V324JP	3,513	P1	515	47.4	90.4	32.525	200/400V	
	1800	324JP	04018ES3E324JP	3,513	P1	506	48.3	91.7	32.525	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-38. • MECHANICAL FEATURES ON PAGE B-86.

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50	3600	324JP	05036ES3E324JP	3,917	P1	563	57.0	92.2	32.525	208-230/460V	♣
	3600	326JP	05036ES3E326JP	4,229	P1	574	57.0	92.2	34.021	208-230/460V	
	3600	326JP	05036ES3V326JP	4,229	P1	574	57.0	92.2	34.021	200/400V	
	1800	326JP	05018ES3E326JP	4,095	P1	557	58.5	92.4	34.021	208-230/460V	
60	3600	326JP	06036ES3E326JP	5,334	P1	640	70.5	92.0	34.021	208-230/460V	♣
	3600	364JP	06036ES3E364JP	6,025	P1	948	68.5	91.7	35.916	208-230/460V	
	3600	364JP	06036ES3V364JP	6,025	P1	948	68.5	91.7	35.916	200/400V	
	1800	326JP	06018ES3E326JP	5,621	P1	640	72.0	92.5	34.021	208-230/460V	♣
	1800	364JP	06018ES3E364JP	6,829	P1	948	70.0	93.0	35.916	208-230/460V	
75	3600	364JP	07536ES3E364JP	7,191	P1	1058	83.0	92.4	35.916	208-230/460V	♣
	3600	365JP	07536ES3E365JP	8,483	P1	1058	83.0	92.4	35.916	208-230/460V	
	3600	365JP	07536ES3V365JP	8,483	P1	1058	83.0	92.4	35.916	200/400V	
	1800	365JP	07518ES3E365JP	7,218	P1	1025	84.5	93.0	35.916	208-230/460V	
100	3600	404JP	10036ES3E404JP	8,588	P1	1180	111	93.0	38.911	208-230/460V	♣
	3600	404JP	10036ES3G404JP	8,588	P1	1180	111	93.0	38.911	460V	♣
	1800	405JP	10018ES3E405JP	8,589	P1	1302	116	93.2	38.911	208-230/460V	
	1800	405JP	10018ES3G405JP	8,589	P1	1302	116	93.2	38.911	460V	

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