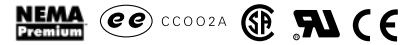


# CAST IRON TEFC JP/JM



AEHH8NJP/JM, NEMA PREMIUM, CLOSE-COUPLED [JPP/JMP]

Effective 07-08-18  
Supercedes 03-24-17

AEAAJP/JM, HIGH EFFICIENCY, CLOSE-COUPLED [JPN/JMN]



## APPLICATIONS:

- Pumps

## FEATURES:

- Output Range: 3/4 - 50 HP
- Speed: 3600, 1800 & 1200 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP54)
- Voltage: 230/460V (Usable on 208V)
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Groups B, C & D - Temp Code T3C Minimum<sup>(5)</sup>
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Cast Iron Frame, End Brackets & Fan Cover and Main Conduit Box
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature<sup>(1)</sup>
- Designed for 3300 ft. Elevation<sup>(2)</sup>
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Premium - Light Gray - Munsell N5.0  
High Efficient - Dark Gray - Munsell 7.5B 3.5/0.5
- Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 140JP/JM - 280JP/JM (Non-regreasable)
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM for F# 280JP/JM (2P), 320JP/JM and Larger
- Automatic Grease Discharge Fittings on Regreasable Models
- Rubber Dust Flinger on DE for F# 140JP/JM - 280JP/JM
- Labyrinth Type Metal Flinger on Both Ends for F# 280JP/JM (2P), 320JP/JM and Larger
- Cast Iron Inner and Outer Bearing Caps for Frame# 280JP/JM (2P), 320JP/JM and Larger
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2<sup>(3,4)</sup>
- Inverter Duty Speed Range: 10:1 Variable Torque, 5:1 Constant Torque
- 9 Leads for 5 HP and Smaller;
- 12 Leads for 7.5 HP to 125 HP;
- Motors are U.L. Recognized, CSA Approved and CE Marked

## EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

## Notes:

- (1) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (2) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (3) Motor service factor is 1.0 when operated on a VFD.
- (4) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31.
- (5) CSA Certification for Hazardous Location only applies to AEHH8NJP/JM, NEMA premium [JPP/JMP] product line.

# CAST IRON TEFC JP/JM



AEHH8NP/JM, NEMA PREMIUM, CLOSE-COUPLED [JPP/JMP]

Effective 07-08-18  
Supersedes 03-24-17



CATALOG NO.		HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460V)	APPROX. SHIPPING WT. (lbs.)	
JP	JM							JP	JM
JPP0012	JMP0012	1	3600	143JP/JM	82.5	85.0	1.34	61	61
JPP0014	JMP0014	1	1800	143JP/JM	85.5	73.0	1.50	61	61
JPP0016	JMP0016	1	1200	145JP/JM	82.5	65.5	1.73	61	61
JPP1/52	JMP1/52	1.5	3600	143JP/JM	84.0	83.5	2.00	68	68
JPP1/54	JMP1/54	1.5	1800	145JP/JM	86.5	78.0	2.08	61	61
JPP1/56	JMP1/56	1.5	1200	182JP/JM	87.5	63.5	2.53	68	68
JPP0022	JMP0022	2	3600	145JP/JM	86.5	86.0	2.52	106	106
JPP0024	JMP0024	2	1800	145JP/JM	86.5	78.0	2.78	68	68
JPP0026	JMP0026	2	1200	184JP/JM	88.5	70.5	3.00	68	68
JPP0032	JMP0032	3	3600	182JP/JM	88.5	90.0	3.53	126	126
JPP0034	JMP0034	3	1800	182JP/JM	89.5	84.0	3.74	106	106
JPP0036	JMP0036	3	1200	213JP/JM	89.5	78.0	4.02	106	106
JPP0052	JMP0052	5	3600	184JP/JM	88.5	92.5	5.72	186	186
JPP0054	JMP0054	5	1800	184JP/JM	89.5	85.5	6.12	126	126
JPP0056	JMP0056	5	1200	215JP/JM	91.0	82.5	6.24	126	126
JPP7/52	JMP7/52	7.5	3600	213JP/JM	91.0	89.0	8.67	213	213
JPP7/54	JMP7/54	7.5	1800	213JP/JM	91.7	86.5	8.85	186	186
JPP7/56	JMP7/56	7.5	1200	254JP/JM	91.0	80.5	9.59	186	186
JPP0102	JMP0102	10	3600	215JP/JM	91.0	89.5	11.5	325	325
JPP0104	JMP0104	10	1800	215JP/JM	91.7	88.0	11.6	213	213
JPP0106	JMP0106	10	1200	256JP/JM	91.0	80.5	12.8	213	213
JPP0152	JMP0152	15	3600	254JP/JM	92.4	91.5	16.6	354	354
JPP0154	JMP0154	15	1800	254JP/JM	92.4	88.0	17.3	325	325
JPP0156	JMP0156	15	1200	284JP/JM	92.4	83.5	18.2	325	325
JPP0202	JMP0202	20	3600	256JP/JM	92.4	92.5	21.9	464	464
JPP0204	JMP0204	20	1800	256JP/JM	93.0	87.5	23.0	354	354
JPP0206	JMP0206	20	1200	286JP/JM	91.7	84.0	24.3	354	354
JPP0252	JMP0252	25	3600	284JP/JM	92.4	91.0	27.8	507	507
JPP0254	JMP0254	25	1800	284JP/JM	93.6	86.0	29.1	464	464
JPP0256	JMP0256	25	1200	324JP/JM	93.0	83.0	30.3	464	464
JPP0302	JMP0302	30	3600	286JP/JM	93.0	91.0	33.2	694	694
JPP0304	JMP0304	30	1800	286JP/JM	93.6	87.5	34.3	507	507
JPP0306	JMP0306	30	1200	326JP/JM	93.0	80.5	37.5	507	507
JPP0402	JMP0402	40	3600	324JP/JM	94.1	90.0	44.2	784	784
JPP0404	JMP0404	40	1800	324JP/JM	94.1	86.0	46.3	694	694
JPP0406	~	40	1200	364JP/JM	94.1	86.5	46.0	694	694
JPP0502	JMP0502	50	3600	326JP/JM	94.1	91.0	54.7	926	926
JPP0504	JMP0504	50	1800	326JP/JM	94.5	87.0	56.9	784	784
JPP0506	~	50	1200	365JP/JM	94.1	86.0	57.8	784	784

**Notes:**

(1) Data subject to change without notice.

# CAST IRON TEFC JP/JM



## AAEAJP/JM, HIGH EFFICIENCY, CLOSE-COUPLED [JPN/JMN]

Effective 07-08-18  
Supercedes 03-24-17



CATALOG NO.		HP	RPM	FRAME	FL EFF (%)	FL PF (%)	FL AMPS (460V)	APPROX. SHIPPING WT. (lbs.)	
JP	JM							JP	JM
JPN0/76	JMN0/76	3/4	1200	143JP/JM	74.0	65.5	1.50	101	101
JPN0014	JMN0014	1	1800	143JP/JM	82.5	77.0	1.48	60	80
JPN0016	JMN0016	1	1200	145JP/JM	80.0	63.5	1.85	110	110
JPN1/52	JMN1/52	1.5	3600	143JP/JM	82.5	85.0	2.01	79	75
JPN1/54	JMN1/54	1.5	1800	145JP/JM	84.0	80.5	2.08	47	58
JPN1/56	JMN1/56	1.5	1200	182JP/JM	85.5	66.5	2.47	139	139
JPN0022	JMN0022	2	3600	145JP/JM	84.0	88.5	2.52	81	80
JPN0024	JMN0024	2	1800	145JP/JM	84.0	82.5	2.70	85	75
JPN0026	JMN0026	2	1200	184JP/JM	86.5	67.0	3.23	152	152
JPN0032	JMN0032	3	3600	182JP/JM	85.5	90.0	3.65	108	105
JPN0034	JMN0034	3	1800	182JP/JM	87.5	82.5	3.89	110	105
JPN0036	JMN0036	3	1200	213JP/JM	87.5	76.5	4.20	184	184
JPN0052	JMN0052	5	3600	184JP/JM	87.5	91.5	5.85	125	165
JPN0054	JMN0054	5	1800	184JP/JM	87.5	86.5	6.20	130	120
JPN0056	JMN0056	5	1200	215JP/JM	87.5	76.5	7.00	223	210
JPN7/52	JMN7/52	7.5	3600	213JP/JM	88.5	87.0	9.10	178	180
JPN7/54	JMN7/54	7.5	1800	213JP/JM	89.5	88.0	8.90	143	180
JPN7/56	JMN7/56	7.5	1200	254JP/JM	89.5	81.0	9.70	287	310
JPN0102	JMN0102	10	3600	215JP/JM	89.5	90.0	11.60	205	205
JPN0104	JMN0104	10	1800	215JP/JM	89.5	89.5	11.70	235	230
JPN0106	JMN0106	10	1200	256JP/JM	89.5	82.5	12.70	342	325
JPN0152	JMN0152	15	3600	254JP/JM	90.2	91.5	17.00	281	246
JPN0154	JMN0154	15	1800	254JP/JM	91.0	88.0	17.60	340	330
JPN0156	JMN0156	15	1200	284JP/JM	90.2	83.0	18.8	450	470
JPN0202	JMN0202	20	3600	256JP/JM	90.2	92.0	22.6	370	307
JPN0204	JMN0204	20	1800	256JP/JM	91.0	88.0	23.4	370	370
JPN0206	JMN0206	20	1200	286JP/JM	90.2	83.5	24.9	513	520
JPN0252	JMN0252	25	3600	284JP/JM	91.0	90.5	28.4	515	470
JPN0254	JMN0254	25	1800	284JP/JM	92.4	89.0	28.5	431	431
JPN0256	JMN0256	25	1200	324JP/JM	91.7	81.5	31.3	660	660
JPN0302	JMN0302	30	3600	286JP/JM	91.0	91.0	33.9	565	535
JPN0304	JMN0304	30	1800	286JP/JM	92.4	88.0	34.6	574	560
JPN0306	JMN0306	30	1200	326JP/JM	91.7	80.5	38.1	671	671
JPN0402	JMN0402	40	3600	324JP/JM	91.7	89.5	45.7	695	695
JPN0404	JMN0404	40	1800	324JP/JM	93.0	89.0	45.3	715	730
JPN0406	JMN0406	40	1200	364JP/JM	93.0	86.5	46.6	785	785
JPN0502	JMN0502	50	3600	326JP/JM	92.4	90.5	56.0	671	671
JPN0504	JMN0504	50	1800	326JP/JM	93.0	89.5	56.0	741	741
JPN0506	~	50	1200	365JP/JM	93.0	85.5	59.0	913	N/A

### Notes:

- (1) Per DOE regulations, this High Efficiency inventory will be available through June 2018, or until current inventory has been depleted. Whichever occurs first. Please see our new line of Premium Efficient JP/JM Cast Iron TEFC motors on page 59.
- (2) Data subject to change without notice.