

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA[®] Premium Efficient



**NEMA
Premium**

DE1, DE3,
DE4, DEF4

APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.
Used in damp, dusty or dirty environments.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame
- Aluminum End Shields 140-250, Cast Iron End Shields 280-320
- Oversized Ball Bearings w/Locked Shaft End Construction
- Premasked Mylar Nameplate (with "CE" Mark)
- F1 Assembly Position
- Regreaseable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings
- 40°C Ambient, NEMA[®] Design B Performance On 60 Hertz Sine Wave Power
- "JM" Shaft For Mechanical Seal
- "JM" Shaft on 210 Frame and Smaller; JP Shaft on 250 and 280 Frame

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
3/4	1200	208-230/460	143JM	DJ34P3DM	DS-3POP	1.15	15.0	30	80.0	2.8-2.8/1.4	03
1	1800	200	143JM	DJ1P2HM	DS-3POP	1.15	15.0	30	85.5	3.6	
	1800	208-230/460	143JM	DJ1P2DM	DS-3POP	1.15	15.0	30	85.5	3.1-3.1/1.5	03
	1200	208-230/460	145JM	DJ1P3DM	DS-3POP	1.15	15.0	35	82.5	4/4/2002	03
1 1/2	3600	208-230/460	143JM	DJ32E1DM	DS-3FPO	1.15	15.0	30	82.5	4.3-4/2	03,16,NNP,LA
	3600	208-230/460	143JM	DJ32P1DM	DS-3POP	1.15	15.0	30	85.5	4.2-3.8/1.9	03
	1800	200	145JM	DJ32P2HM	DS-3POP	1.15	15.0	35	86.5	4.8	
	1800	208-230/460	145JM	DJ32P2DM	DS-3POP	1.15	15.0	35	86.5	4.4-4.1/2.1	03
2	1200	208-230/460	182JM	DJ32P3DM	DS-3POP	1.15	16.0	50	86.5	5.2-5.3/2.6	03
	3600	208-230/460	145JM	DJ2E1DM	DS-3FPO	1.15	15.0	35	84.0	5.6-5.1/2.5	03,16,NNP,LA
	3600	208-230/460	145JM	DJ2P1DM	DS-3POP	1.15	15.0	35	85.5	5.5-5/2.5	03
	1800	200	145JM	DJ2P2HM	DS-3POP	1.15	15.0	35	86.5	6.3	
2	1800	208-230/460	145JM	DJ2P2DM	DS-3POP	1.15	15.0	35	86.5	5.9-5.6/2.8	
	1800	575	145JM	DJ2E2GM	DS-3FPO	1.15	15.0	37	84.0	2.4	NNP,LA
	1800	575	145JM	DJ2P2GM	DS-3POP	1.15	15.0	35	85.5	2.2	
	1200	208-230/460	184JM	DJ2P3DM	DS-3POP	1.15	16.0	60	87.5	6.4-6.3/3.1	03
	3600	208-230/460	145JM	DJ3P1DM	DS-3POP	1.15	15.0	35	85.5	8.3-7.4/3.7	03
3	1800	200	182JM	DJ3P2HM	DS-3POP	1.15	16.0	50	89.5	8.8	
	1800	208-230/460	182JM	DJ3P2DM	DS-3POP	1.15	16.0	50	89.5	8.3-7.7/3.8	03
	1200	208-230/460	213JM	DJ3P3DM	DS-3POP	1.15	18.0	90	88.5	9.4-8.9/4.4	03
	3600	200	182JM	DJ5E1HM	DS-3FPO	1.15	17.0	50	85.5	14.8	NNP,LA
5	3600	200	182JM	DJ5P1HM	DS-3POP	1.15	16.0	50	88.5	14.1	
	3600	208-230/460	182JM	DJ5P1DM	DS-3POP	1.15	16.0	50	87.5	13.8-12.5/6.2	03
	1800	200	184JM	DJ5P2HM	DS-3POP	1.15	16.0	60	89.5	14.2	
	1800	208-230/460	184JM	DJ5P2DM	DS-3POP	1.15	16.0	60	89.5	13.7-12.4/6.2	03
	1800	575	184JM	DJ5P2GM	DS-3POP	1.15	16.0	60	89.5	4.9	
	1200	208-230/460	215JM	DJ5P3DM	DS-3POP	1.15	19.0	105	89.5	15.2-14.5/7.3	03
7 1/2	3600	208-230/460	184JM	DJ7P1DM	DS-3POP	1.15	16.0	60	88.5	20.3-18.1/9.1	03
	1800	200	213JM	DJ7P2HM	DS-3POP	1.15	18.0	90	91.0	21.4	
	1800	208-230/460	213JM	DJ7P2DM	DS-3POP	1.15	18.0	90	91.0	20.2-18.5/9.3	03
	1800	575	213JM	DJ7P2GM	DS-3POP	1.15	18.0	90	91.0	7.3	

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note LA Limited Availability
Note NNP Non-NEMA[®] Premium

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA[®] Premium Efficient


NEMA
Premium

DE1

(continued)

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	3600	200	213JM	DJ10P1HM	DS-3POP	1.15	18.0	90	90.2	28	
	3600	208-230/460	213JM	DJ10P1DM	DS-3POP	1.15	18.0	90	90.2	27.1-24.3/12.2	03
	3600	575	213JM	DJ10E1GM	DS-3FPO	1.15	18.0	113	88.5	10.2	NNP,LA
	3600	575	213JM	DJ10P1GM	DS-3POP	1.15	18.0	90	90.2	9.7	
	1800	200	215JM	DJ10P2HM	DS-3POP	1.15	19.0	105	91.7	28.1	
	1800	208-230/460	215JM	DJ10P2DM	DS-3POP	1.15	19.0	105	92.4	26.3-23.8/11.9	03
15	3600	208-230/460	215JM	DJ15P1DM	DS-3POP	1.15	19.0	105	90.2	40-36/18	03
	1800	230/460	254JM	DJ15P2EM	DS-3POP	1.15	21.1	150	93.0	37/18.3	03
20	3600	230/460	254JM	DJ20P1EM	DS-3POP	1.15	21.1	150	91.7	46/23.1	03
	3600	575	254JM	DJ20E1GM	DS-3FPO	1.15	24.0	170	90.2	18.9	NNP,LA
	3600	575	254JM	DJ20P1GM	DS-3POP	1.15	21.1	150	91.0	18.7	
	1800	230/460	256JM	DJ20P2EM	DS-3POP	1.15	22.4	160	93.0	47/23.6	03
	1800	208-230/460	256JM	DJ20P2DM	DS-3POP	1.15	25.0	195	93.0	54-49/24.4	03,LA
25	3600	230/460	256JM	DJ25P1EM	DS-3POP	1.15	22.4	160	91.7	57/28.7	03
	3600	208-230/460	256JM	DJ25P1DM	DS-3POP	1.15	25.0	200	91.7	65-57/28.7	03,LA
	1800	208-230/460	284JM	DJ25P2DM	DS-3POP	1.15	26.0	225	93.6	58/29	03
30	3600	208-230/460	284JM	DJ30P1DM	DS-3POP	1.15	26.0	225	92.4	79-68/34	03
	1800	208-230/460	286JM	DJ30P2DM	DS-3POP	1.15	26.0	250	94.1	77-69/34	03
40	3600	208-230/460	286JM	DJ40P1DM	DS-3POP	1.15	26.0	250	93.0	104-90/45	03
	3600	575	286JM	DJ40P1GM	DS-3POP	1.15	26.0	250	93.0	36	
	1800	208-230/460	324JM	DJ40P2DM	DS-3POP	1.15	28.0	385	94.1	102-91/46	03
50	3600	208-230/460	324JM	DJ50P1DM	DS-3POP	1.15	28.0	385	93.0	130-117/59	03
	1800	208-230/460	326JM	DJ50P2DM	DS-3POP	1.15	28.0	460	94.5	126-113/56	03
60	3600	208-230/460	326JM	DJ60P1DM	DS-3POP	1.15	28.0	460	93.6	152-134/67	03

JM Shaft - Footless

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	DJ1P2DU	DS-3POV	1.15	16.0	30	85.5	3.2-3.1/1.6	03
1 1/2	3600	208-230/460	143JM	DJ3P1DU	DS-3POV	1.15	16.0	30	85.5	4.2-3.8/1.9	03
	1800	208-230/460	145JM	DJ3P2DU	DS-3POV	1.15	16.0	35	86.5	4.4-4.2/2.1	03
2	1800	208-230/460	145JM	DJ2P2DU	DS-3POV	1.15	16.0	35	86.5	5.9-5.6/2.8	03
3	1800	208-230/460	182JM	DJ3P2DU	DS-3POV	1.15	17.0	50	89.5	8.3-7.7/3.8	03
5	1800	208-230/460	184JM	DJ5P2DU	DS-3POV	1.15	17.0	82	89.5	13.7-12.4/6.2	03
7 1/2	1800	208-230/460	213JM	DJ7P2DU	DS-3POV	1.15	19.0	90	91.0	20.2-18.5/9.3	03
	3600	208-230/460	213JM	DJ10P1DU	DS-3POV	1.15	19.0	90	90.2	27.1-24.3/12.2	03
10	1800	208-230/460	215JM	DJ10P2DU	DS-3POV	1.15	19.0	105	91.7	26.3-23.8/11.9	03
	3600	208-230/460	215JM	DJ15P1DU	DS-3POV	1.15	19.0	105	90.2	40-36/18	03
15	1800	230/460	254JM	DJ15P2EU	DS-3POV	1.15	21.9	150	93.0	37/18.3	
	3600	230/460	254JM	DJ20P1EU	DS-3POV	1.15	25.5	150	91.7	46/23.1	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note LA Limited Availability

Note NNP Non-NEMA[®] Premium

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA® Premium Efficient



NEMA
Premium

DE1

(continued)

JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	DJ1E2DP	DS-3FPO	1.15	18.0	32	82.5	3.1-3/1.5	03,16,NNP,LA
	1800	208-230/460	143JP	DJ1P2DP	DS-3POP	1.15	18.0	30	85.5	3.2-3.1/1.6	03
1 1/2	1800	208-230/460	145JP	DJ32P2DP	DS-3POP	1.15	18.0	35	86.5	4.4-4.2/2.1	03
	1800	208-230/460	145JP	DJ2P2DP	DS-3POP	1.15	18.0	35	86.5	5.9-5.6/2.8	03
2	1800	208-230/460	182JP	DJ3P2DP	DS-3POP	1.15	19.0	50	89.5	8.3-7.7/3.8	03
3	1800	208-230/460	184JP	DJ5P2DP	DS-3POP	1.15	19.0	60	89.5	13.7-12.4/6.2	03
	1800	208-230/460	213JP	DJ7P2DP	DS-3POP	1.15	22.0	90	91.0	20.2-18.5/9.3	03
5	1200	230/460	254JP	DJ7P3EP	DS-3POP	1.15	24.0	150	91.0	18.9/9.5	03
7 1/2	3600	208-230/460	213JP	DJ10P1DP	DS-3POP	1.15	22.0	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215JP	DJ10P2DP	DS-3POP	1.15	23.0	105	91.7	26.3-23.8/11.9	03
10	1200	230/460	256JP	DJ10P3EP	DS-3POP	1.15	25.3	160	91.7	25/12.5	03
	3600	200	215JP	DJ15P1HP	DS-3POP	1.15	23.0	105	90.2	41	
	3600	208-230/460	215JP	DJ15P1DP	DS-3POP	1.15	23.0	105	90.2	40-36/18	03
15	1800	200	254JP	DJ15P2HP	DS-3POP	1.15	27.4	150	93.0	42	
	1800	230/460	254JP	DJ15P2EP	DS-3POP	1.15	24.0	150	93.0	37/18.3	03
	3600	230/460	254JP	DJ20P1EP	DS-3POP	1.15	24.0	150	91.7	46/23.1	03
	3600	200	254JP	DJ20P1HP	DS-3POP	1.15	24.0	150	91.7	53	
20	3600	208-230/460	254JP	DJ20E1DP	DS-3FPO	1.15	27.0	198	90.2	54-47/23.6	03,16,NNP,LA
	3600	575	254JP	DJ20E1GP	DS-3FPO	1.15	27.0	195	90.2	18.9	NNP,LA
	1800	230/460	256JP	DJ20P2EP	DS-3POP	1.15	25.3	160	93.0	47/23.6	03
	1800	200	256JP	DJ20P2HP	DS-3POP	1.15	25.3	160	93.0	54	
	3600	230/460	256JP	DJ25P1EP	DS-3POP	1.15	25.3	160	91.7	57/28.7	03
25	3600	208-230/460	256JP	DJ25P1HP	DS-3POP	1.15	25.3	160	91.7	67	
	3600	208-230/460	256JP	DJ25E1DP	DS-3FPO	1.15	28.0	210	91.0	66-58/29	03,16,NNP,LA
	1800	208-230/460	284JP	DJ25P2DP	DS-3POP	1.15	29.0	225	93.6	64-58/29.2	03,06
	1800	200	284JP	DJ25P2HP	DS-3POP	1.15	29.0	225	93.6	67	
	1800	575	284JP	DJ25E2GP	DS-3FPO	1.15	29.0	213	91.7	24.4	NNP,LA
	1800	575	284JP	DJ25P2GP	DS-3POP	1.15	29.0	225	93.6	23.1	
	3600	208-230/460	284JP	DJ30P1DP	DS-3POP	1.15	29.0	225	92.4	79-68/34	03
30	1800	575	284JP	DJ25P2GP	DS-3POP	1.15	29.0	225	93.6	23.1	
	3600	208-230/460	284JP	DJ30P1DP	DS-3POP	1.15	29.0	225	92.4	79-68/34	03
40	1800	208-230/460	286JP	DJ30P2DP	DS-3POP	1.15	29.0	250	94.1	77-69/34	03
	3600	208-230/460	286JP	DJ40P1DP	DS-3POP	1.15	29.0	250	93.0	104-90/45	03
	3600	575	286JP	DJ40E1GP	DS-3FPO	1.15	29.0	320	93.0	36	NNP,LA
	3600	575	286JP	DJ40P1GP	DS-3POP	1.15	29.0	250	93.0	36	
	1800	208-230/460	324JP	DJ40P2DP	DS-3POP	1.15	30.0	454	94.1	102-91/46	03
50	3600	208-230/460	324JP	DJ50P1DP	DS-3POP	1.15	30.0	454	93.0	130-117/59	03
	1800	208-230/460	326JP	DJ50P2DP	DS-3POP	1.15	30.0	454	94.5	126-113/56	03
60	3600	208-230/460	326JP	DJ60P1DP	DS-3POP	1.15	30.0	460	93.6	152-134/67	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate

Note 06 Dual voltage ratings, Part Winding Start on low voltage only

Note 16 Motors marked 208-230/460 volts may not meet all NEMA (MG-1) performance standards when operated at 208 volts

Note LA Limited Availability

Note NNP Non-NEMA® Premium

BRAKEMOTORS

GENERAL PURPOSE
SINGLE PHASE

HVAC

WASHDOWN

AGRICULTURE

COMMERCIAL PUMP
MOTORS

CLOSE COUPLED
PUMP MOTORS

FIRE PUMP
MOTORS

POOL & SPA
MOTORS

RESIDENTIAL
WATER PUMP

ELEVATOR
GATE & DOOR

Special Application Close Coupled Pump Three Phase Open Drip Proof (ODP) NEMA[®] Premium Efficient


**NEMA
Premium**

DE1

(continued)

Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
7 1/2	1800	208-230/460	213TCZ	DJ7P2DJ	DS-3POP	1.15	21.0	90	91.0	20.2-18.5/9.3	03
10	3600	208-230/460	213TCZ	DJ10P1DJ	DS-3POP	1.15	21.0	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215TCZ	DJ10P2DJ	DS-3POP	1.15	22.0	105	91.7	26.3-23.8/11.9	03
15	3600	208-230/460	215TCZ	DJ15P1DJ	DS-3POP	1.15	22.0	105	90.2	40-36/18	03

Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate