

Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) NEMA^{®†} Premium Efficient



DE1



APPLICATIONS:

For the specific requirements of centrifugal pumps where the pump impeller is mounted directly on the motor shaft.
Used where dirt and moisture are minimal.

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
- Regreasable 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
- Conversion Kits: Canopy Kits

JM Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
3/4	1200	208-230/460	143JM	DJ34P3DM	\$655	DS-3POP	1.15	15.4	30	80.0	2.8-2.8/1.4	03
1	1800	200	143JM	DJ1P2HM	\$487	DS-3POP	1.15	15.4	30	85.5	3.6	
	1800	208-230/460	143JM	DJ1P2DM	\$487	DS-3POP	1.15	15.4	30	85.5	3.1-3.1/1.5	03
	1200	208-230/460	145JM	DJ1P3DM	\$655	DS-3POP	1.15	15.4	35	82.5	4-4/2	03
	1800	200	145JM	DJ32P2HM	\$513	DS-3POP	1.15	14.8	35	86.5	4.8	
1 1/2	3600	208-230/460	143JM	DJ32P1DM	\$519	DS-3POP	1.15	15.4	30	85.5	4.2-3.8/1.9	03
	1800	200	145JM	DJ32P2HM	\$513	DS-3POP	1.15	14.8	35	86.5	4.8	03
	1800	208-230/460	145JM	DJ32P2DM	\$513	DS-3POP	1.15	14.8	35	86.5	4.4-4.1/2.1	03
	1200	208-230/460	182JM	DJ32P3DM	\$660	DS-3POP	1.15	16.0	50	86.5	5.2-5.3/2.6	03
	3600	208-230/460	145JM	DJ2P1DM	\$567	DS-3POP	1.15	15.4	35	85.5	5.5-5/2.5	03
	1800	200	145JM	DJ2P2HM	\$563	DS-3POP	1.15	15.4	35	86.5	6.3	
2	1800	208-230/460	145JM	DJ2P2DM	\$563	DS-3POP	1.15	14.8	35	86.5	5.9-5.6/2.8	03
	1800	575	145JM	DJ2P2GM	\$563	DS-3POP	1.15	15.34	35	86.5	2.2	
	1200	208-230/460	184JM	DJ2P3DM	\$739	DS-3POP	1.15	16.0	60	87.5	6.4-6.3/3.1	03
	3600	208-230/460	145JM	DJ3P1DM	\$582	DS-3POP	1.15	15.4	35	85.5	8.3-7.4/3.7	03
	1800	200	182JM	DJ3P2HM	\$598	DS-3POP	1.15	17.4	50	89.5	9	
3	1800	208-230/460	182JM	DJ3P2DM	\$598	DS-3POP	1.15	16.0	50	89.5	8.3-7.7/3.8	03
	1200	208-230/460	213JM	DJ3P3DM	\$941	DS-3POP	1.15	17.8	90	88.5	9.4-8.9/4.5	
	3600	200	182JM	DJ5P1HM	\$620	DS-3POP	1.15	17.4	50	88.5	14.1	
	3600	208-230/460	182JM	DJ5P1DM	\$620	DS-3POP	1.15	16.1	50	88.5	13.5-12.3/6.2	
5	1800	200	184JM	DJ5P2HM	\$645	DS-3POP	1.15	20.5	60	89.5	14.7	
	1800	208-230/460	184JM	DJ5P2DM	\$645	DS-3POP	1.15	16.0	60	89.5	13.7-12.4/6.2	03
	1800	575	184JM	DJ5P2GM	\$645	DS-3POP	1.15	16.0	60	89.5	4.9	
	1200	208-230/460	215JM	DJ5P3DM	\$1,234	DS-3POP	1.15	19.3	105	89.5	15.2-14.5/7.3	
	3600	208-230/460	184JM	DJ7P1DM	\$968	DS-3POP	1.15	17.4	60	88.5	20.5-18.1/9.1	03
	1800	200	213JM	DJ7P2HM	\$943	DS-3POP	1.15	17.8	90	91.0	21.4	
7 1/2	1800	208-230/460	213JM	DJ7P2DM	\$943	DS-3POP	1.15	17.8	90	91.0	20.2-18.5/9.3	03
	1800	575	213JM	DJ7P2GM	\$943	DS-3POP	1.15	17.8	90	91.0	7.3	

Note 03 660/50 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

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



NEMA
Premium

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(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
10	3600	200	213JM	DJ10P1HM	\$1,132	DS-3POP	1.15	17.8	90	90.2	28	03
	3600	208-230/460	213JM	DJ10P1DM	\$1,132	DS-3POP	1.15	17.8	90	90.2	27.1-24.3/12.2	03
	3600	575	213JM	DJ10P1GM	\$1,132	DS-3POP	1.15	17.78	90	90.2	9.7	
	1800	200	215JM	DJ10P2HM	\$1,147	DS-3POP	1.15	19.3	105	91.7	28.1	03
	1800	208-230/460	215JM	DJ10P2DM	\$1,147	DS-3POP	1.15	19.3	105	92.4	26.3-23.8/11.9	03
15	3600	208-230/460	215JM	DJ15P1DM	\$1,555	DS-3POP	1.15	19.3	105	90.2	40-36/18	03
	1800	208-230/460	254JM	DJ15P2DM	\$1,712	DS-3POP	1.15	24.6	160	93.0	40-36/18.2	
20	3600	208-230/460	254JM	DJ20P1DM	\$1,874	DS-3POP	1.15	24.6	170	91.7	52-46/23.1	
	3600	575	254JM	DJ20P1GM	\$1,874	DS-3POP	1.15	24.6	170	91.0	18.7	
	1800	208-230/460	256JM	DJ20P2DM	\$1,970	DS-3POP	1.15	25.2	195	93.0	54-49/24.4	
25	3600	208-230/460	256JM	DJ25P1DM	\$2,567	DS-3POP	1.15	25.2	200	91.7	65-57/28.7	
	1800	208-230/460	284JM	DJ25P2DM	\$2,435	DS-3POP	1.15	25.8	225	93.6	64-58/29	03
30	3600	208-230/460	284JM	DJ30P1DM	\$2,901	DS-3POP	1.15	25.8	225	92.4	79-68/34	03
	1800	208-230/460	286JM	DJ30P2DM	\$2,892	DS-3POP	1.15	25.8	250	94.1	77-69/34	03
40	3600	208-230/460	286JM	DJ40P1DM	\$3,171	DS-3POP	1.15	25.8	250	93.0	104-90/45	03
	3600	575	286JM	DJ40P1GM	\$3,171	DS-3POP	1.15	25.8	250	93.0	36	
	1800	208-230/460	324JM	DJ40P2DM	\$3,178	DS-3POP	1.15	27.5	385	94.1	102-91/46	03
50	3600	208-230/460	324JM	DJ50P1DM	\$3,567	DS-3POP	1.15	27.5	385	93.0	130-117/59	03
	1800	208-230/460	326JM	DJ50P2DM	\$3,725	DS-3POP	1.15	27.5	460	94.5	126-113/56	03
60	3600	208-230/460	326JM	DJ60P1DM	\$4,916	DS-3POP	1.15	27.5	460	93.6	152-134/67	03

JM Shaft - Footless

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JM	DJ1P2DU	\$570	DS-3POV	1.15	15.6	30	85.5	3.2-3.1/1.6	03,NNP
1 1/2	3600	208-230/460	143JM	DJ32P1DU	\$609	DS-3POV	1.15	15.6	30	85.5	4.2-3.8/1.9	03,NNP
	1800	208-230/460	145JM	DJ32P2DU	\$581	DS-3POV	1.15	15.6	35	86.5	4.4-4.2/2.1	03,NNP
2	1800	208-230/460	145JM	DJ2P2DU	\$642	DS-3POV	1.15	15.6	35	86.5	5.9-5.6/2.8	03,NNP
3	1800	208-230/460	182JM	DJ3P2DU	\$758	DS-3POV	1.15	17.1	50	89.5	8.3-7.7/3.8	03,NNP
5	1800	208-230/460	184JM	DJ5P2DU	\$898	DS-3POV	1.15	17.1	60	89.5	13.7-12.4/6.2	03,NNP
7 1/2	1800	208-230/460	213JM	DJ7P2DU	\$1,188	DS-3POV	1.15	18.6	90	91.0	20.2-18.5/9.3	03,NNP
10	3600	208-230/460	213JM	DJ10P1DU	\$1,420	DS-3POV	1.15	18.6	90	90.2	27.1-24.3/12.2	03,NNP
	1800	208-230/460	215JM	DJ10P2DU	\$1,400	DS-3POV	1.15	18.8	105	91.7	26.2-23.7/11.9	03,NNP
15	3600	208-230/460	215JM	DJ15P1DU	\$1,809	DS-3POV	1.15	18.8	105	90.2	40-36/18	03,NNP
	1800	208-230/460	254JM	DJ15P2DU	\$2,055	DS-3POV	1.15	25.5	160	93.0	40-36/18.2	NNP
20	3600	208-230/460	254JM	DJ20P1DU	\$2,249	DS-3POV	1.15	25.5	160	91.7	52-46/23.1	NNP

Note 03 660/50 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

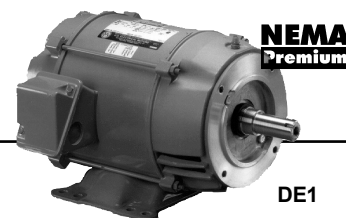
Note NNP Non-NEMA® Premium

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(continued)



JP Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800	208-230/460	143JP	DJ1P2DP	\$487	DS-3POP	1.15	18.4	30	85.5	3.2-3.1/1.6	03
1 1/2	1800	208-230/460	145JP	DJ3P2DP	\$513	DS-3POP	1.15	18.4	35	86.5	4.4-4.2/2.1	03
2	1800	208-230/460	145JP	DJ2P2DP	\$563	DS-3POP	1.15	18.4	35	86.5	5.9-5.6/2.8	03
3	1800	208-230/460	182JP	DJ3P2DP	\$598	DS-3POP	1.15	19.1	50	89.5	8.3-7.7/3.8	03
5	1800	208-230/460	184JP	DJ5P2DP	\$645	DS-3POP	1.15	19.1	60	89.5	13.7-12.4/6.2	03
7 1/2	1800	208-230/460	213JP	DJ7P2DP	\$943	DS-3POP	1.15	21.6	90	91.0	20.2-18.5/9.3	03
	1200	208-230/460	254JP	DJ7P3DP	\$1,565	DS-3POP	1.15	27.4	150	91.0	20.5-18.9/9.5	03
10	3600	208-230/460	213JP	DJ10P1DP	\$1,132	DS-3POP	1.15	21.6	90	90.2	27.1-24.3/12.2	03
	1800	208-230/460	215JP	DJ10P2DP	\$1,147	DS-3POP	1.15	23.1	105	91.7	26.2-23.7/11.9	03
	1200	208-230/460	256JP	DJ10P3DP	\$2,036	DS-3POP	1.15	28.1	160	91.7	27.6-25.9/13	
15	3600	200	215JP	DJ15P1HP	\$1,555	DS-3POP	1.15	23.1	105	90.2	41	
	3600	208-230/460	215JP	DJ15P1DP	\$1,555	DS-3POP	1.15	23.1	105	90.2	40-36/18	
	1800	200	254JP	DJ15P2HP	\$1,569	DS-3POP	1.15	27.4	150	93.0	42	
	1800	208-230/460	254JP	DJ15P2DP	\$1,569	DS-3POP	1.15	27.4	150	93.0	40-37/18.5	
20	3600	200	254JP	DJ20P1HP	\$1,882	DS-3POP	1.15	27.4	150	91.0	54	
	3600	200	254JP	DJ20P1HP	\$1,882	DS-3POP	1.15	27.4	150	91.0	54	
	3600	208-230/460	254JP	DJ20P1DP	\$1,882	DS-3POP	1.15	27.4	150	91.7	52-47/23.4	
	1800	200	256JP	DJ20P2HP	\$2,012	DS-3POP	1.15	28.1	160	93.0	56	
	1800	208-230/460	256JP	DJ20P2DP	\$2,012	DS-3POP	1.15	28.1	160	93.0	53-48/24.2	
25	3600	200	256JP	DJ25P1HP	\$2,461	DS-3POP	1.15	28.1	160	92.4	67	
	3600	200	256JP	DJ25P1HP	\$2,461	DS-3POP	1.15	28.1	160	92.4	67	
	3600	208-230/460	256JP	DJ25P1DP	\$2,461	DS-3POP	1.15	28.1	160	91.7	65-57/28.7	03
	1800	200	284JP	DJ25P2HP	\$2,435	DS-3POP	1.15	28.6	225	93.6	67	
	1800	208-230/460	284JP	DJ25P2DP	\$2,435	DS-3POP	1.15	28.6	225	93.6	64-58/29.2	06
	1800	575	284JP	DJ25P2GP	\$2,435	DS-3POP	1.15	28.6	225	93.6	23.1	
30	3600	208-230/460	284JP	DJ30P1DP	\$2,901	DS-3POP	1.15	28.6	225	92.4	79-68/34	03
	1800	208-230/460	286JP	DJ30P2DP	\$2,892	DS-3POP	1.15	28.6	250	94.1	77-69/34	03
40	3600	208-230/460	286JP	DJ40P1DP	\$3,171	DS-3POP	1.15	28.6	250	93.0	104-90/45	03
	3600	575	286JP	DJ40P1GP	\$3,171	DS-3POP	1.15	28.6	250	93.0	36	
	1800	208-230/460	324JP	DJ40P2DP	\$3,178	DS-3POP	1.15	30.4	454	94.1	102-91/46	03
50	3600	208-230/460	324JP	DJ50P1DP	\$3,567	DS-3POP	1.15	30.4	454	93.0	130-117/59	03
	1800	208-230/460	326JP	DJ50P2DP	\$3,725	DS-3POP	1.15	30.4	454	94.5	126-113/56	03
60	3600	208-230/460	326JP	DJ60P1DP	\$4,915	DS-3POP	1.15	30.4	460	93.6	152-134/67	03

Note 03 660/50 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

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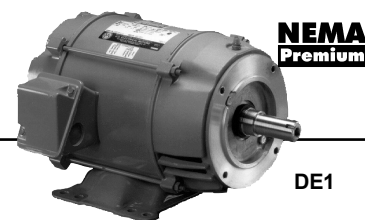
Dual voltage ratings, Part Winding Start on low voltage only

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Special Application Close Coupled Pump Three Phase Open Dripproof (ODP) NEMA^{®†} Premium Efficient

(continued)



Westcoast Shaft - Footed

HP	RPM	Voltage	Frame	Catalog Number	List	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	\$943	DS-3POP	1.15	20.8	90	91.0	20.2-18.5/9.3	03,NNP
10	3600	208-230/460	213TCZ	DJ10P1DJ	\$1,132	DS-3POP	1.15	20.8	90	90.2	27.1-24.3/12.2	03,NNP
	1800	208-230/460	215TCZ	DJ10P2DJ	\$1,147	DS-3POP	1.15	22.3	105	91.7	26.2-23.7/11.9	03,NNP
15	3600	208-230/460	215TCZ	DJ15P1DJ	\$1,555	DS-3POP	1.15	22.3	105	90.2	40-36/18	03,NNP

Note 03 660/50 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

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