

Rolled Steel ODP Motors

NEMA Premium Efficiency | ODP Commercial Duty

The Rolled Steel ODP is a durable, lightweight, feature-packed machine designed to tackle all of your commercial duty requirements. From HVAC to compressors, this NEMA premium efficient, inverter duty motor has you covered. Designed for environments where dirt and moisture are minimal.

Couple your Rolled Steel ODP with one of our F510 VFD's for energy savings and speed control. TECO-Westinghouse offers a variety of HVAC and commercial solutions. Please contact us for more information.



Product Features

- Available from 1-40 hp; 2, 4, & 6 Pole
- AC, 3-Phase, 60 Hz, 230/460V (usable on 208V). 50 Hz and other voltages under 600V are available upon request.
- Open Drip Proof, IP22 Design
- NEMA Premium Efficiency (140-280 Frame); EPA Act Efficiency (56 frame)
- -40°C to 40°C Ambient
- Number of Leads: 9 Leads for 1-5 hp; 12 Leads for 7.5 hp and Larger
- *Inverter Duty Speed Range 10:1 CT and 20:1 VT
- *Meets NEMA MG1, Part 31.4.4.2
- *HPE™ High Pulse Endurance Spike Resistant Wire for Inverter Duty Applications
- Rolled Steel Frame with Cast-Iron End Brackets
- Rolled Steel Conduit Box; 90 Degree Rotatable, Oversized and Gasketed
- Oversized, Double Shielded Vacuum Degassed Ball Bearings (Frames 140T-210T)
- Complies with ANSI/UL 1004-5 "Fire Pump Motors." Certificate #20120717 - EX6569
Available Option: Safety Red Epoxy Paint
- Available in Horizontal Foot Mounted or JP/JM Configurations
- 36 Month Warranty from Date of Manufacture

*Precautions should be taken to eliminate or reduce voltage spikes and shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1, Part 31.4.4.

Rolled Steel ODP Performance Data

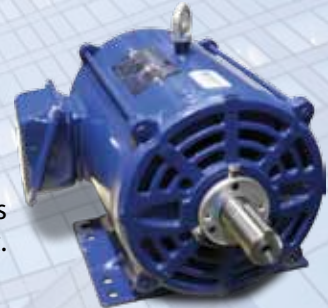


Catalog No.	HP	Full Load RPM	Frame Size	Efficiency %				Power Factor %			Current (A)			Torque				Rotor WK ² (lb-ft ²)	NEMA Code Letter	Approx. Weight (lbs)
				Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load	Full Load	Usable on 208V	Locked Rotor	Full Load (lb-ft)	Locked Rotor %FLT	Pull Up %FLT	Break Down %FLT			
				Nom.	Min.															
DSP/42	0.25	3440	56	72.0	68.0	67.0	60.0	82.0	74.5	65.0	0.410	0.90	3.0	0.382	240	255	320	0.017	L	19
DSP/44	0.25	1735	56	72.0	68.0	70.0	63.5	73.0	63.5	51.0	0.445	0.98	3.0	0.757	240	220	340	0.028	L	19
DSP/46	0.25	1145	56	70.0	66.0	66.5	59.0	61.0	52.0	40.0	0.550	1.21	3.0	1.146	270	260	355	0.042	L	20
DSP0/32	0.33	3430	56	72.0	68.0	68.5	64.0	82.0	75.0	65.5	0.530	1.17	3.5	0.510	280	265	320	0.017	K	21
DSP0/34	0.33	1735	56	75.5	72.0	74.0	69.0	74.5	64.5	51.0	0.555	1.23	3.5	1.009	235	225	330	0.033	K	22
DSP0/36	0.33	1145	56	72.0	68.0	68.5	62.0	61.0	52.0	40.0	0.710	1.57	3.5	1.529	265	255	345	0.047	K	22
DSP0/52	0.5	3445	56	75.5	72.0	74.5	70.0	85.0	78.0	67.0	0.730	1.61	5.0	0.762	235	220	325	0.020	J	22
DSP0/54	0.5	1735	56	77.0	74.0	74.5	70.0	73.5	64.5	51.5	0.825	1.83	6.0	1.513	275	265	370	0.037	L	22
DSP0/56	0.5	1145	56	75.5	72.0	73.5	68.0	63.0	53.0	40.5	0.985	2.18	6.0	2.293	305	295	380	0.075	L	23
DSP0/72	0.75	3490	56	78.5	75.5	76.5	71.5	80.5	72.0	60.0	1.110	2.46	10.0	1.128	320	305	445	0.025	M	35
DSP0/74	0.75	1730	56	78.5	75.5	78.0	74.0	75.5	65.5	51.5	1.185	2.62	9.0	2.276	270	260	350	0.042	L	23
DSP0/76	0.75	1145	56	78.5	75.5	77.5	73.5	72.0	64.0	51.0	1.240	2.75	8.0	3.439	190	180	285	0.095	K	26
DSP0012	1	3470	56	80.0	77.0	81.0	78.0	85.5	78.5	67.5	1.370	3.03	15.0	1.513	270	235	320	0.036	N	25
DSP0014	1	1750	56	85.5	82.5	85.0	82.0	75.5	67.0	54.0	1.450	3.21	15.0	3.000	365	310	410	0.100	N	25
DSP0016	1	1150	56	82.5	80.0	82.0	79.0	66.0	57.0	44.0	1.720	3.80	15.0	4.566	260	240	320	0.122	N	32
DSP1/52	1.5	3510	56	85.5	82.5	85.5	83.0	83.0	76.5	64.0	1.980	4.38	20.0	2.244	400	310	450	0.059	M	26
DSP1/54	1.5	1740	56	86.5	84.0	86.0	84.0	80.5	73.5	61.0	2.015	4.46	20.0	4.526	295	220	335	0.115	M	30
DSP1/56	1.5	1150	56	83.8	81.2	83.5	80.5	68.0	60.0	46.5	2.470	5.45	20.0	6.848	280	250	320	0.115	M	55
DSP0022	2	3505	56	86.5	84.0	86.0	84.0	85.0	79.0	67.0	2.545	5.63	25.0	2.996	340	280	430	0.068	L	28
DSP0024	2	1740	56	86.5	84.0	86.0	84.0	79.0	71.0	58.0	2.740	6.06	25.0	6.035	390	310	390	0.143	L	35
DSP0032	3	3480	56	85.5	82.5	86.0	84.5	86.0	81.0	71.0	3.820	8.45	32.0	4.526	365	335	350	0.082	K	36
DSP0034	3	1745	56	86.9	84.7	86.0	84.0	80.0	73.0	61.0	4.080	8.94	32.0	9.027	375	335	430	0.205	L	55
DTP0012	1	3470	143T	80.0	77.0	81.0	78.0	85.5	78.5	67.5	1.370	3.03	15.0	1.513	270	235	320	0.036	N	34
DTP0014	1	1750	143T	85.5	82.5	85.0	82.0	75.5	67.0	54.0	1.450	3.21	15.0	3.000	365	310	410	0.100	N	42
DTP0016	1	1150	145T	82.5	80.0	82.0	79.0	66.0	57.0	44.0	1.720	3.80	15.0	4.566	260	240	320	0.122	N	43
DTP1/52	1.5	3510	143T	85.5	81.5	85.5	83.0	83.0	76.5	64.0	1.980	4.38	20.0	2.244	400	310	450	0.059	M	34
DTP1/54	1.5	1740	145T	86.5	84.0	86.0	84.0	80.5	73.5	61.0	2.015	4.46	20.0	4.526	295	220	335	0.115	M	47
DTP1/56	1.5	1170	182T	86.5	84.0	85.0	81.5	54.0	45.0	33.5	3.005	6.40	20.0	6.731	165	115	250	0.310	M	94
DTP0022	2	3505	145T	86.5	84.0	86.0	84.0	85.0	79.0	67.0	2.545	5.63	25.0	2.996	340	280	430	0.068	L	42
DTP0024	2	1740	145T	86.5	84.0	86.0	84.0	79.0	71.0	58.0	2.740	6.06	25.0	6.035	390	310	390	0.143	L	47
DTP0026	2	1165	184T	87.5	85.5	86.0	83.0	57.0	48.0	36.0	3.755	8.05	25.0	9.014	160	110	240	0.346	L	94
DTP0032	3	3480	145T	85.5	82.5	86.0	84.5	86.0	81.0	71.0	3.820	8.45	32.0	4.526	365	335	350	0.082	K	42
DTP0034	3	1755	182T	89.5	87.5	89.0	87.0	73.0	65.0	51.5	4.300	9.51	32.0	8.975	215	190	310	0.308	K	94
DTP0036	3	1175	213T	88.5	86.5	89.0	87.0	69.0	60.0	46.0	4.600	10.20	32.0	13.410	185	165	315	0.640	K	158
DTP0052	5	3465	182T	87.5	85.5	88.0	88.0	88.0	83.5	72.5	6.100	13.40	46.0	7.576	260	245	320	0.188	J	94
DTP0054	5	1750	184T	89.5	87.5	90.0	89.0	77.0	67.5	54.0	6.800	15.00	46.0	15.000	205	170	290	0.398	J	94
DTP0056	5	1165	215T	89.5	87.5	90.0	89.0	73.0	65.0	51.5	7.150	15.80	46.0	22.530	165	145	285	0.842	J	158
DTP7/52	7.5	3460	184T	88.5	86.5	89.0	88.5	90.0	86.5	78.5	8.800	19.50	63.5	11.380	295	245	315	0.247	H	94
DTP7/54	7.5	1755	213T	91.0	89.5	91.5	91.0	81.0	76.0	64.5	9.550	21.10	63.5	22.440	220	175	260	0.667	H	158
DTP7/56	7.5	1170	254T	90.2	88.5	88.5	87.0	77.0	70.0	56.5	10.100	22.40	63.5	33.660	250	200	260	2.148	H	292
DTP0102	10	3505	213T	90.2	88.5	91.0	90.5	85.5	82.0	74.0	12.150	26.80	81.0	14.980	200	170	250	0.408	H	158
DTP0104	10	1755	215T	91.7	90.2	92.0	92.0	84.0	79.0	68.5	12.150	26.90	81.0	29.920	235	175	280	0.916	H	158
DTP0106	10	1165	256T	91.7	90.2	90.0	89.5	79.5	73.5	61.0	12.850	28.40	81.0	45.070	230	180	240	2.859	H	292
DTP0152	15	3500	215T	91.0	89.5	92.0	91.5	87.0	84.0	75.5	17.750	39.20	116.0	22.500	245	210	295	0.507	G	158
DTP0154	15	1770	254T	93.0	91.7	93.0	93.0	83.0	79.5	70.0	18.200	40.20	116.0	44.500	160	120	240	1.862	G	292
DTP0156	15	1175	284T	91.7	90.2	92.5	92.0	80.0	76.0	65.5	19.150	42.30	116.0	67.030	210	160	220	5.778	G	344
DTP0202	20	3525	254T	91.7	90.2	92.5	92.0	90.0	88.0	82.0	22.700	50.20	145.0	29.790	175	135	225	0.933	G	292
DTP0204	20	1770	256T	93.0	91.7	93.0	93.0	83.0	79.0	69.0	24.250	53.70	145.0	59.330	160	120	240	2.174	G	292
DTP0206	20	1175	286T	92.4	91.0	94.0	93.5	81.5	77.5	67.0	24.850	55.00	145.0	89.370	225	175	225	8.309	G	344
DTP0252	25	3530	256T	91.7	90.2	92.0	92.0	91.0	90.0	85.0	28.050	62.00	182.5	37.180	210	155	250	1.213	G	292
DTP0254	25	1765	284T	93.6	92.4	93.5	93.0	85.0	82.0	74.0	29.400	65.10	182.5	74.370	210	165	235	3.713	G	344
DTP0302	30	3540	284TS	92.4	91.0	93.0	93.0	90.0	88.0	83.0	33.800	74.70	217.5	44.500	180	135	220	1.588	G	344
DTP0304	30	1770	286T	94.1	93.0	94.0	94.0	86.0	82.5	74.5	34.700	76.80	217.5	88.990	230	175	245	4.397	G	415
DTP0402	40	3535	286TS	92.4	91.0	93.0	92.5	90.5	89.0	85.0	44.800	99.00	290.0	59.410	190	145	225	1.921	G	415

Notes:

- The above are typical values based on test according to ANSI/ IEEE standard 112, method B.
- NEMA Premium Efficiency (140-280 Frame); EPACK Efficiency (56 frame)
- Breakdown and locked rotor torques are shown as average expected values.
- Tolerance according to NEMA MG1-12 and IEC60034-1.
- Data subject to change without notice.

AEGIS® Bearing Protection Rings
available upon request.



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