



Open
Dripproof
with Face/
Base-Mount
31LH54



Totally Enclosed
Fan-Cooled
with Face-Mount
3N841



3-Phase NEMA Frame Face- & Face/Base-Mount Motors

- Rotation: CW/CCW
- Thermal protection: none
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V
- Warranty: 1 yr. on Dayton and Marathon; 3 yr. on Weg

These motors power pumps, ventilation equipment, speed reducers, machine tools, and other shaft-end-mounted industrial equipment. They operate with a higher torque and greater efficiency than single-phase models of the same HP, rpm, and frame size.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Motor Service Factor	Ins. Class	Inverter Rated	Nom. Efficiency	Motor Efficiency Group	Shaft Dia.	Shaft Length	Overall Length	Brand	Mfr. Model	Item No.
Open Dripproof with Face/Base-Mount, Steel Frame															
1/4	1,720	56C	230/460V AC	1.00/0.50	1.35	F	Yes	69.5 %	Premium	3/8 in	1 1/2 in	9 1/16 in	Dayton	31LH54	31LH54 +
	1,765	56C	230/460V AC	1.30/0.68	1.35	F	Yes	73.4 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH57	31LH57 +
	1,140	56C	230/460V AC	1.50/0.70	1.35	F	Yes	71.4 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH58	31LH58 +
1/2	1,765	56C	230/460V AC	1.70/0.86	1.25	F	Yes	78.2 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH60	31LH60 +
	1,155	56C	230/460V AC	2.00/0.99	1.25	F	Yes	75.3 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH61	31LH61 +
	3,485	56C	230/460V AC	2.3/1.10	1.25	F	Yes	76.8 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH62	31LH62 +
3/4	1,760	56C	230/460V AC	2.3/1.20	1.25	F	Yes	81.1 %	Premium	3/8 in	1 1/2 in	11 1/2 in	Dayton	31LH63	31LH63 +
	1,160	56HC	230/460V AC	2.5/1.30	1.15	F	Yes	81.7 %	Premium	3/8 in	1 1/2 in	11 1/2 in	Dayton	31LH64	31LH64 +
	3,470	56C	230/460V AC	3.0/1.50	1.25	F	Yes	77 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH65	31LH65 +
1	1,760	56HC	230/460V AC	3.1/1.60	1.15	F	Yes	83.5 %	Premium	3/8 in	1 1/2 in	11 1/2 in	Dayton	31LH66	31LH66 +
	1,760	143/5TC	230/460V AC	3.0/1.50	1.15	F	Yes	85.5 %	NEMA Prem.	7/8 in	2 1/4 in	11 3/4 in	Dayton	36VF51	36VF51 +
	1,735	143-5TC/56HCZ	230/460V AC	3.1/1.50	1.15	F	Yes	85.5 %	NEMA Prem.	7/8 in	2 1/2 in	13 1/4 in	Dayton	31TU23	31TU23 +
1 1/2	1,760	56HC	230/460V AC	4.3/2.1	1.15	F	Yes	86.5 %	NEMA Prem.	3/4 in	1 7/8 in	13 3/8 in	Dayton	31LH68	31LH68 +
	1,760	143/5TC	230/460V AC	4.1/2.00	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 3/4 in	Dayton	36VF52	36VF52 +
	1,750	143-5TC/56HCZ	230/460V AC	4.2/2.1	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/2 in	13 1/4 in	Dayton	31TU26	31TU26 +
2	3,510	56HC	230/460V AC	4.8/2.4	1.15	F	Yes	85.5 %	NEMA Prem.	3/4 in	1 7/8 in	12 1/4 in	Dayton	31LH69	31LH69 +
	3,450	143/5TC	230/460V AC	5.0/2.5	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 in	Dayton	36VF12	36VF12 +
	1,740	143-5TC/56HCZ	230/460V AC	5.6/2.8	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/2 in	13 1/4 in	Dayton	31TU28	31TU28 +
3	1,740	56HC	230/460V AC	5.4/2.7	1.15	F	Yes	86.5 %	NEMA Prem.	3/4 in	1 7/8 in	13 1/4 in	Dayton	31LH71	31LH71 +
	1,740	143/5TC	230/460V AC	5.3/2.6	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 3/4 in	Dayton	36VF53	36VF53 +
	3,490	143-5TC/56HCZ	230/460V AC	7.4/3.7	1.15	F	Yes	85.5 %	NEMA Prem.	7/8 in	2 1/2 in	13 1/4 in	Dayton	31TU29	31TU29 +
3 1/2	3,450	143/5TC	230/460V AC	7.1/3.5	1.15	F	Yes	85.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 3/4 in	Dayton	36VF13	36VF13 +
	1,750	143-5TC/56HCZ	230/460V AC	7.6/3.8	1.15	F	Yes	89.5 %	NEMA Prem.	7/8 in	2 1/2 in	15 1/4 in	Dayton	31TU30	31TU30 +
Open Dripproof with Face-Mount, Steel Frame															
1/4	1,765	56C	230/460V AC	1.10/0.53	1.35	F	Yes	69.5 %	Premium	3/8 in	1 1/2 in	9 1/16 in	Dayton	31LH37	31LH37 +
	1,160	56C	230/460V AC	1.10/0.55	1.35	F	Yes	67.5 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH38	31LH38 +
	3,510	56C	230/460V AC	1.10/0.60	1.35	F	Yes	72 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH39	31LH39 +
1/2	3,450	56C	208-230/460V AC	1.80/0.90	1.75	B	—	61 %	Standard	3/8 in	1 1/2 in	9 7/8 in	Marathon	5K35FN55	3N817
	1,765	56C	230/460V AC	1.30/0.68	1.35	F	Yes	73.4 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH40	31LH40 +
	1,160	56C	230/460V AC	1.50/0.76	1.35	F	Yes	71.4 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH41	31LH41 +
3/4	3,490	56C	230/460V AC	1.60/0.81	1.25	F	Yes	73.4 %	Premium	3/8 in	1 1/2 in	10 9/16 in	Dayton	31LH42	31LH42 +
	3,450	56C	208-230/460V AC	2.00/1.00	1.6	B	—	69.9 %	Standard	3/8 in	1 1/2 in	10 9/16 in	Marathon	5K36JN57	6MA11
	1,765	56C	230/460V AC	1.70/0.86	1.25	F	Yes	78.2 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH43	31LH43 +
1	1,155	56C	230/460V AC	2.00/0.99	1.25	F	Yes	72 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH44	31LH44 +
	3,485	56C	230/460V AC	2.3/1.10	1.25	F	Yes	76.8 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH45	31LH45 +
	3,450	56C	208-230/460V AC	2.6/1.30	1.5	B	—	74 %	Standard	3/8 in	1 1/2 in	10 1/16 in	Marathon	5K37MN37	3N819
3/4	1,760	56C	230/460V AC	2.3/1.20	1.25	F	Yes	81.1 %	Premium	3/8 in	1 1/2 in	11 1/2 in	Dayton	31LH46	31LH46 +
	1,150	56C	230/460V AC	2.6/1.30	1.15	F	Yes	81.7 %	Premium	3/8 in	1 1/2 in	12 1/16 in	Dayton	31LH47	31LH47 +
	3,470	56C	230/460V AC	3.0/1.50	1.25	F	Yes	77 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH48	31LH48 +
1	3,450	56C	208-230/460V AC	3.2/1.60	1.4	B	—	79 %	Standard	3/8 in	1 1/2 in	11 9/16 in	Marathon	5K38PN47	3N820
	1,760	56C	230/460V AC	3.1/1.60	1.15	F	Yes	83.5 %	Premium	3/8 in	1 1/2 in	11 1/2 in	Dayton	31LH49	31LH49 +
	1,760	143/5TC	230/460V AC	3.2/1.60	1.15	F	Yes	85.5 %	NEMA Prem.	7/8 in	2 1/4 in	11 9/16 in	Dayton	36VF45	36VF45 +
1 1/2	1,140	145TC	230/460V AC	3.3/1.70	1.15	F	Yes	82.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 1/4 in	Dayton	4THU1	4THU1 +
	3,510	56C	230/460V AC	3.7/1.90	1.15	F	Yes	84 %	Premium	3/8 in	1 1/2 in	10 1/16 in	Dayton	31LH50	31LH50 +
	3,450	56C	208-230/460V AC	5.0-4.8/2.4	1.3	B	—	77 %	Standard	3/8 in	1 1/2 in	10 9/16 in	Marathon	5K46KN2173	3N821
2	1,760	56C	230/460V AC	4.3/2.1	1.15	F	Yes	86.5 %	NEMA Prem.	3/4 in	1 7/8 in	13 3/8 in	Dayton	31LH51	31LH51 +
	3,450	56C	208-230/460V AC	6.0/3.0	1.2	B	—	85.5 %	Standard	3/8 in	1 7/8 in	11 9/16 in	Marathon	5K49NN2180	3N822
	1,750	145TC	230/460V AC	6.0/3.0	1.15	B	No	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	13 1/2 in	Marathon	1451TD16359	53UF35 *
3	1,740	56C	230/460V AC	5.8/2.9	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 in	Dayton	36VF49	36VF49 +
	1,740	145TC	230/460V AC	5.4/2.7	1.15	F	Yes	86.5 %	NEMA Prem.	3/4 in	1 7/8 in	13 1/4 in	Dayton	31LH52	31LH52 +
	3,510	145TC	230/460V AC	7.6/3.8	1.15	B	No	87.5 %	NEMA Prem.	7/8 in	2 1/4 in	13 in	Marathon	1451TD16319	52KR47 *
3 1/2	3,450	56C	208-230/460V AC	8.9-8.2/4.1	1.15	B	—	84 %	Standard	3/8 in	1 1/2 in	12 9/16 in	Marathon	5K48TN2182	3N823
	1,750	182TC	230/460V AC	8.3/4.2	1.15	F	—	89.5 %	NEMA Prem.	1 1/8 in	2 3/4 in	16 1/4 in	Dayton	11W342	11W342 *
Open Dripproof with Rigid Base-Mount, Steel Frame															
1 1/2	1,760	143/5TC	230/460V AC	4.1/2.1	1.15	F	Yes	86.5 %	NEMA Prem.	7/8 in	2 1/4 in	12 3/4 in	Weg	00158013E145TC-S	33HN92
5	1,760	182/4TC	230/460V AC	12.7/6.3	1.15	F	Yes	89.5 %	NEMA Prem.	1 1/2 in	2 5/8 in	16 9/16 in	Weg	00518013E184TC-S	33HP09
7 1/2	1,770	213/5TC	230/460V AC	18.5/9.25	1.15	F	Yes	91 %	NEMA Prem.	1 3/4 in	3 3/8 in	16 9/16 in	Weg	00718013E213TC-S	33HP15
10	1,770	213/5TC	230/460V AC	24.8/12.4	1.15	F	Yes	91.7 %	NEMA Prem.	1 3/4 in	3 3/8 in	16 9/16 in	Weg	01018013E215TC-S	33HP21
15	1,775	254/6TC	230/460V AC	37.2/18.6	1.15	F	Yes	93 %	NEMA Prem.	1 3/4 in	4 in	20 1/2 in	Weg	01518013E254TC-S	33HN04

* 60/50 Hz. † Usable at 200V at 1.0 SF. # Removable base.

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