



3-Phase Face-Base and Face-Mount Motors

- Rotation: CW/CCW
 - Thermal protection: none
 - Voltage: 230/460V (usable at 208V)
 - Insulation: Class F, except Nos. 3N841 and 3N842 are B
 - Inverter rated
 - Bearings: ball
 - Max. ambient temp.: 40°C
 - Warranty: 1 yr.
- UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Item No.
Open Dripproof, Face-Mount, NEMA Premium Efficient							
1	1760	143/5TC	3.2/1.6	1.15	85.5%	11 ⁹ / ₁₆ "	36VF45 †
	1140	145TC	3.3/1.7	1.15	82.5%	12 ¹ / ₄ "	4THU1 *
1½	3465	143/5TC	3.7/1.8	1.15	84.0%	11 ⁹ / ₁₆ "	36VF46 †
	1760	56C	4.3/2.1	1.15	86.5%	13 ¹ / ₁₆ "	31LH51 †
2	1755	143/5TC	4.3/2.2	1.15	86.5%	11 ⁹ / ₁₆ "	36VF47 †
	3500	143/5TC	5.0/2.5	1.15	85.5%	11 ⁹ / ₁₆ "	36VF48 †
3	1745	143/5TC	5.8/2.9	1.15	86.5%	12"	36VF49 †
	1740	56C	5.4/2.7	1.15	86.5%	13 ¹ / ₁₆ "	31LH52 †
3	3475	143/5TC	7.3/3.6	1.15	85.5%	12"	36VF50 †
	1750	182TC	8.3/4.2	1.15	89.5%	16 ¹ / ₄ "	11W342 *
Open Dripproof, Face-Mount, Premium Efficient							
¼	3520	56C	0.80/0.40	1.35	72.0%	10 ⁹ / ₁₆ "	31LH36 †
	1765	56C	1.1/0.53	1.35	69.5%	9 ⁹ / ₁₆ "	31LH37 †
½	1160	56C	1.1/0.55	1.35	67.5%	10 ⁹ / ₁₆ "	31LH38 †
	3510	56C	1.1/0.60	1.35	72.0%	10 ⁹ / ₁₆ "	31LH39 †
¾	1765	56C	1.3/0.68	1.35	73.4%	10 ⁹ / ₁₆ "	31LH40 †
	1160	56C	1.5/0.76	1.35	71.4%	10 ⁹ / ₁₆ "	31LH41 †
1	3490	56C	1.6/0.81	1.25	73.4%	10 ⁹ / ₁₆ "	31LH42 †
	1765	56C	1.7/0.86	1.25	78.2%	10 ¹ / ₁₆ "	31LH43 †
1½	1155	56C	2.0/0.99	1.25	72.0%	10 ¹ / ₁₆ "	31LH44 †
	3485	56C	2.3/1.1	1.25	76.8%	10 ¹ / ₁₆ "	31LH45 †
2	1760	56C	2.3/1.2	1.25	81.1%	11 ¹ / ₁₆ "	31LH46 †
	1150	56C	2.6/1.3	1.15	81.7%	11 ¹ / ₁₆ "	31LH47 †
3	3470	56C	3.0/1.5	1.25	77.0%	10 ¹ / ₁₆ "	31LH48 †
	1760	56C	3.1/1.6	1.15	83.5%	11 ¹ / ₁₆ "	31LH49 †
1½	3510	56C	3.7/1.9	1.15	84.0%	10 ¹ / ₁₆ "	31LH50 †
Open Dripproof, Face/Base-Mount, NEMA Premium Efficient							
1	3520	143-5TC/56HCZ	2.9/1.5	1.15	80.0%	13 ¹ / ₄ "	31TU22 †
	1760	143/5TC	3.0/1.5	1.15	85.5%	11 ⁹ / ₁₆ "	36VF51 †
1½	1755	143-5TC/56HCZ	3.1/1.5	1.15	85.5%	13 ¹ / ₄ "	31TU23 †
	1165	143-5TC/56HCZ	4.0/2.0	1.15	82.5%	13 ¹ / ₄ "	31TU24 †
2	3525	143-5TC/56HCZ	3.8/1.9	1.15	85.5%	13 ¹ / ₄ "	31TU25 †
	1760	56HC	4.3/2.1	1.15	86.5%	13 ¹ / ₁₆ "	31LH68 †
3	1760	143/5TC	4.1/2.0	1.15	86.5%	12 ³ / ₄ "	36VF52 †
	1750	143-5TC/56HCZ	4.2/2.1	1.15	86.5%	13 ¹ / ₄ "	31TU26 †
4	3515	143-5TC/56HCZ	5.0/2.5	1.15	85.5%	13 ¹ / ₄ "	31TU27 †
	3510	56HC	4.8/2.4	1.15	85.5%	12 ¹ / ₁₆ "	31LH69 †
5	3450	143/5TC	5.0/2.5	1.15	86.5%	12"	36VF12 †
	1745	143-5TC/56HCZ	5.6/2.8	1.15	86.5%	13 ¹ / ₄ "	31TU28 †
6	1740	56HC	5.4/2.7	1.15	86.5%	13 ¹ / ₁₆ "	31LH71 †
	1740	143/5TC	5.3/2.6	1.15	86.5%	12 ³ / ₄ "	36VF53 †
7	3490	143-5TC/56HCZ	7.4/3.7	1.15	85.5%	13 ¹ / ₄ "	31TU29 †
	3450	143/5TC	7.1/3.5	1.15	85.5%	12 ³ / ₄ "	36VF13 †
8	1750	143-5TC/56HCZ	7.6/3.8	1.15	89.5%	15 ¹ / ₄ "	31TU30 †
Open Dripproof, Face/Base-Mount, Premium Efficient							
¼	1720	56C	1.0/0.50	1.35	69.5%	9 ⁹ / ₁₆ "	31LH54 †
	3510	56C	1.1/0.60	1.35	72.0%	10 ⁹ / ₁₆ "	31LH56 †
½	1765	56C	1.3/0.68	1.35	73.4%	10 ⁹ / ₁₆ "	31LH57 †
	1140	56C	1.5/0.70	1.35	71.4%	10 ⁹ / ₁₆ "	31LH58 †
¾	3490	56C	1.6/0.81	1.25	73.4%	10 ⁹ / ₁₆ "	31LH59 †
	1765	56C	1.7/0.86	1.25	78.2%	10 ¹ / ₁₆ "	31LH60 †
1	1155	56C	2.0/0.99	1.25	75.3%	10 ¹ / ₁₆ "	31LH61 †
	3485	56C	2.3/1.1	1.25	76.8%	10 ¹ / ₁₆ "	31LH62 †
1½	1760	56C	2.3/1.2	1.25	81.1%	11 ¹ / ₁₆ "	31LH63 †
	1160	56HC	2.5/1.3	1.15	81.7%	11 ¹ / ₁₆ "	31LH64 †
2	3470	56C	3.0/1.5	1.25	77.0%	10 ¹ / ₁₆ "	31LH65 †
	1760	56HC	3.1/1.6	1.15	83.5%	11 ¹ / ₁₆ "	31LH66 †
3	3510	56C	3.7/1.9	1.15	84.0%	10 ¹ / ₁₆ "	31LH67 †
	2	3510	56HC	4.8/2.4	1.15	85.5%	12 ¹ / ₁₆ "
Totally Enclosed Fan-Cooled, Face-Mount, NEMA Premium Efficient							
1	3520	56C	2.8/1.4	1.15	77.5%	12 ⁹ / ₁₆ "	36VF61 †
	1765	56C	2.94/1.47	1.15	85.5%	13 ⁹ / ₁₆ "	48ZK02
1½	1760	143/5TC	3.1/1.5	1.15	85.5%	13 ⁹ / ₁₆ "	36VF63 †
	1145	56C	3.3/1.6	1.15	82.5%	13 ¹ / ₂ "	36VF64 †
2	1140	145TC	3.3/1.7	1.15	82.5%	13 ⁹ / ₁₆ "	4THX5 *
	3480	143/5TC	3.8/1.9	1.15	84.0%	13 ⁹ / ₁₆ "	36VF66 †
3	3470	56C	4.0/2.0	1.15	84.0%	12 ⁹ / ₁₆ "	36VF65 †
	1760	143/5TC	4.3/2.1	1.15	86.5%	13 ⁹ / ₁₆ "	36VF68 †
4	1750	56C	4.4/2.2	1.15	86.0%	13 ¹ / ₂ "	36VF67 †
	1170	182/4TC	4.44/2.22	1.15	87.5%	16 ² / ₁₆ "	48ZK04
5	3500	143/5TC	5.1/2.5	1.15	85.5%	13 ⁹ / ₁₆ "	36VF70 †
	3480	56C	5.2/2.6	1.15	85.5%	13 ⁹ / ₁₆ "	36VF69 †
6	1755	143/5TC	5.9/2.9	1.15	86.5%	13 ⁹ / ₁₆ "	36VF72 †
	1745	56C	5.7/2.8	1.15	86.5%	13 ¹ / ₂ "	36VF71 †
7	3480	143/5TC	7.1/3.5	1.15	86.5%	14 ⁹ / ₁₆ "	36VF73 †
	1765	182/4TC	7.6/3.8	1.15	89.5%	17 ⁹ / ₁₆ "	48ZK01

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



Open Dripproof,
Face/Base-Mount

Totally Enclosed
Fan-Cooled,
Face-Mount



Totally Enclosed
Fan-Cooled,
Face/Base-Mount



HP	Nameplate RPM	Frame	Full Load Amps	Service Factor	Nom. Efficiency	Overall Length	Item No.
Totally Enclosed Fan-Cooled, Face-Mount, Energy Efficient							
¼	3460	56C	0.76/0.38	1.15	74.0%	11 ¹ / ₁₆ "	36VF14
½	3500	56C	1.2-1.1/0.55	1.15	69.5%	11 ⁹ / ₁₆ "	36VF56
¾	3520	56C	2.2/1.1	1.15	76.8%	11 ⁹ / ₁₆ "	36VF16
Totally Enclosed Fan-Cooled, Face-Mount, Standard Efficient							
¼	1725	42CZ	1.2/0.60	1.15	66.0%	9 ⁹ / ₁₆ "	3N841 *
	1160	56C	1.0/0.55	1.15	68.0%	11 ⁹ / ₁₆ "	36VF55
½	1765	56C	1.2/0.62	1.15	74.0%	11 ⁹ / ₁₆ "	36VF57
	1725/1425	42CZ	1.5/0.75	1.15	70.7%	10 ⁹ / ₁₆ "	3N842 *
¾	1140	56C	1.5/0.70	1.15	70.0%	12 ¹ / ₁₆ "	4THW4 *
	1760	56C	1.7/0.86	1.15	77.0%	11 ⁹ / ₁₆ "	36VF58
1	1160	56C	1.9/0.99	1.15	72.0%	12 ¹ / ₁₆ "	36VF59
	1755	56C	2.4/1.2	1.15	78.5%	11 ⁹ / ₁₆ "	36VF60
1½	1135	56C	3.0/1.5	1.15	75.5%	12 ¹ / ₁₆ "	4THW8 *
Totally Enclosed Fan-Cooled, Face/Base-Mount, NEMA Premium Efficient							
¼	3525	143-5TC/56HCZ	2.7/1.4	1.15	81.5%	13 ¹ / ₈ "	31TU31 †
	3520	56C	2.8/1.4	1.15	77.5%	12 ⁹ / ₁₆ "	36VF81 †
½	1765	56HC	2.94/1.47	1.15	85.5%	13 ⁹ / ₁₆ "	48ZK03
	1765	143/5TC	2.9/1.4	1.15	85.5%	13 ⁹ / ₁₆ "	36VF83
¾	1755	143-5TC/56HCZ	3.0/1.5	1.25	85.5%	13 ¹ / ₈ "	31TU32 †
	1155	143-5TC/56HCZ	3.5/1.8	1.25	82.5%	13 ¹ / ₈ "	31TU33 †
1	1145	56C	3.3/1.6	1.15	82.5%	13 ¹ / ₂ "	36VF84 †
	1145	143/5TC	3.1/1.5	1.15	82.5%	13 ⁹ / ₁₆ "	36VF85
1½	3510	143/5TC	3.8/1.9	1.15	85.5%	13 ⁹ / ₁₆ "	36VF87
	3505	143-5TC/56HCZ	3.9/1.9	1.25	84.0%	13 ¹ / ₈ "	31TU34 †
2	3470	56C	3.8/1.9	1.15	84.0%	12 ⁹ / ₁₆ "	36VF86 †
	1755	143-5TC/56HCZ	4.3/2.1	1.25	86.5%	13 ¹ / ₈ "	31TU35 †
3	1750	56C	4.4/2.2	1.15	86.5%	13 ¹ / ₈ "	36VF88 †
	1750	143/5TC	4.0/2.0	1.15	86.5%	13 ⁹ / ₁₆ "	36VF89
4	1170	182TC	6.3/3.1	1.15	87.5%	16 ⁹ / ₁₆ "	11W369 *
	3505	143/5TC	5.1/2.6	1.15	86.5%	13 ¹ / ₈ "	4THA8 *
5	3505	143-5TC/56HCZ	4.9/2.5	1.25	86.5%	13 ¹ / ₈ "	31TU36 †
	3480	56HC	5.2/2.6	1.15	85.5%	13 ¹ / ₈ "	36VF90 †
6	1750	143-5TC/56HCZ	5.7/2.9	1.25	86.5%	13 ¹ / ₈ "	31TU37 †
	1745	56HC	5.7/2.8	1.15	86.5%	13 ¹ / ₂ "	36VF21 †
7	1745	143/5TC	5.4/2.7	1.15	86.5%	14"	36VF20
	3490	143/5TC	7.1/3.5	1.15	86.5%	15 ³ / ₁₆ "	36VF91
8	3490	143-5TC/56HCZ	7.2/3.6	1.25	86.5%	13 ¹ / ₈ "	31TU38 †
	1765	182/4TC	7.6/3.8	1.15	89.5%	17 ¹ / ₁₆ "	36VF22
Totally Enclosed Fan-Cooled, Face/Base-Mount, Energy Efficient							
¼	3460	56C	0.76/0.38	1.15	74.0%	11 ¹ / ₁₆ "	36VF17
½	3435	56C	1.57/0.78	1.15	72.5%	11 ⁹ / ₁₆ "	36VF76
¾	3520	56C	2.2/1.1	1.15	76.8%	11 ⁹ / ₁₆ "	36VF79
1	1135	56C	3.0/1.5	1.15	75.5%	12 ¹ / ₁₆ "	4THZ5 *
Totally Enclosed Fan-Cooled, Face/Base-Mount, Standard Efficient							
¼	1720	56C	1.0/0.50	1.15	68.0%	10 ⁹ / ₁₆ "	11W365 *
	1160	56C	1.0/0.55	1.15	68.0%	11 ¹ / ₁₆ "	36VF18
½	1765	56C	1.2/0.62	1.15	74.0%	11 ⁹ / ₁₆ "	36VF75
	1140	56C	1.5/0.70	1.15	68.0%	12 ¹ / ₁₆ "	11W368 *
¾	1760	56C	1.7/0.86	1.15	77.0%	11 ⁹ / ₁₆ "	36VF77
	1160	56C	1.9/0.99	1.15	72.0%	12 ¹ / ₁₆ "	36VF78
1	1720	56C	2.4/1.2	1.15	78.5%	11 ⁹ / ₁₆ "	36VF80
Totally Enclosed Nonventilated, Face-Mount, Premium Efficient							
½	3530	56C	1.4/0.70	1.15	73.4%	12 ⁹ / ₁₆ "	36VF15
Totally Enclosed Nonventilated, Face/Base-Mount, Standard Efficient							
¼	1780	56C	1.40/0.70	1.15	68.5%	10 ¹ / ₁₆ "	36VF54