

MOTORS

Definite Purpose Motors

GRAINGER CHOICE®
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3-Phase IEEE 841 NEMA Premium® Efficient Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: none
- 460V
- Service factor: 1.25
- Insulation: Class F with B temp. rise for longer life
- Inverter rated
- Frame material: cast-iron
- Bearings: regreaseable ball
- Max. ambient temp.: 40°C
- Warranty: 5 yr.

Designed for dusty, dirty, nonhazardous applications, and especially suited for pulp, paper, and steel mills, petrochemical, and applications requiring severe-duty long-life motors. Internal and external corrosion-resistant finish with stainless steel nameplate. Feature Inpro-seal on drive end, and 50,000-hr. extended bearing life. Nonsparking fan. Meet or exceed IEEE 841-2009 specification and all NEMA Premium/CEE requirements for energy efficiency. UL Recognized, CSA and CE Certified.



No. 6AGW5

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.
1	1800	143TC	1.4	85.5%	12 3/4"	00118ST3QIE143TC-W22	12N928
	1760	143T	1.3	85.5%	12 3/4"	00118ST3QIE143T-W22	6AGU1
	1200	145TC	1.7	82.5%	13 3/4"	00112ST3QIE145TC-W22	12N929
1 1/2	3490	143T	1.9	84.0%	12 3/4"	00156ST3QIE143T-W22	6AGU3
	1800	145TC	2.0	86.5%	13 3/4"	00158ST3QIE145TC-W22	12N930
	1755	145T	1.9	86.5%	13 3/4"	00158ST3QIE145T-W22	6AGU4
2	1200	182TC	2.3	87.5%	14 1/4"	00152ST3QIE182TC-W22	12N931
	1165	182T	2.3	87.5%	14 1/4"	00152ST3QIE182T-W22	6AGU5
	1800	145TC	2.6	86.5%	13 3/4"	00218ST3QIE145TC-W22	12N932
2 1/2	1750	145T	2.6	86.5%	13 3/4"	00218ST3QIE145T-W22	6AGU7
	1200	184TC	3.2	88.5%	15 1/4"	00212ST3QIE184TC-W22	12N933

HP	Nameplate RPM	Frame	Full Load Amps	Nom. Efficiency	Overall Length	Mfr. Model	Item No.	
3	3510	182T	3.6	86.5%	14 1/4"	00336ST3QIE182T-W22	6AGU9	
	1800	182TC	3.8	89.5%	14 1/4"	00318ST3QIE182TC-W22	12N934	
	1760	182T	3.8	89.5%	14 1/4"	00318ST3QIE182T-W22	6AGV0	
	1200	213TC	4.4	89.5%	18"	00312ST3QIE213TC-W22	12N935	
5	3500	184T	5.9	88.5%	15 1/4"	00536ST3QIE184T-W22	6AGV2	
	1800	184TC	6.4	89.5%	15 1/4"	00518ST3QIE184TC-W22	12N936	
	1755	184T	6.4	89.5%	15 1/4"	00518ST3QIE184T-W22	6AGV3	
	1200	215TC	6.8	89.5%	19 1/2"	00512ST3QIE215TC-W22	12N937	
7 1/2	1160	215T	6.8	89.5%	19 1/2"	00512ST3QIE215T-W22	6AGV4	
	3520	213T	8.7	89.5%	18 1/4"	00736ST3QIE213T-W22	6AGV5	
	1800	213TC	9.0	91.7%	18"	00718ST3QIE213TC-W22	12N938	
	1765	213T	9.0	91.7%	18 1/4"	00718ST3QIE213T-W22	6AGV6	
10	1200	254TC	9.4	91.0%	23 3/4"	00712ST3QIE254TC-W22	12N939	
	1175	254T	9.4	91.0%	23 3/4"	00712ST3QIE254T-W22	6AGV7	
	3515	215T	11.6	90.2%	19 1/4"	01036ST3QIE215T-W22	6AGV8	
	1800	215TC	12.4	91.7%	19 1/2"	01018ST3QIE215TC-W22	12N940	
15	1760	215T	12.4	91.7%	19 1/2"	01018ST3QIE215T-W22	6AGV9	
	1200	256TC	12.9	91.0%	25"	01012ST3QIE256TC-W22	12N941	
	1175	256T	12.9	91.0%	25"	01012ST3QIE256T-W22	6AGW0	
	3530	254T	17.0	91.0%	23 1/4"	01536ST3QIE254T-W22	6AGW1	
20	1800	254TC	18.0	92.4%	23 3/4"	01518ST3QIE254TC-W22	12N942	
	1765	254T	18.0	92.4%	23 3/4"	01518ST3QIE254T-W22	6AGW2	
	1200	284TC	17.9	91.7%	26 3/4"	01512ST3QIE284TC-W22	12N943	
	3520	256T	23.2	91.0%	25"	02036ST3QIE256T-W22	6AGW4	
25	1800	256TC	24.1	93.0%	25"	02018ST3QIE256TC-W22	12N944	
	1765	256T	24.1	93.0%	25"	02018ST3QIE256T-W22	6AGW5	
	1200	286TC	24.2	91.7%	27 1/4"	02012ST3QIE286TC-W22	12N945	
	1175	286T	24.2	91.7%	27 1/4"	02012ST3QIE286T-W22	6AGW6	
30	3535	284TS	28.5	91.7%	25 1/4"	02536ST3QIE284TS-W22	6AGW7	
	1800	284TC	29.5	93.6%	26 3/4"	02518ST3QIE284TC-W22	12N946	
	1765	284T	29.5	93.6%	26 3/4"	02518ST3QIE284T-W22	6AGW8	
	1200	324TC	30.4	93.0%	29 3/4"	02512ST3QIE324TC-W22	12N947	
40	3535	286TS	33.8	91.7%	26 3/4"	03036ST3QIE286TS-W22	6AGX0	
	1800	286TC	35.1	93.6%	27 1/4"	03018ST3QIE286TC-W22	12N948	
	1765	286T	35.1	93.6%	27 1/4"	03018ST3QIE286T-W22	6AGX1	
	1200	326TC	35.8	93.0%	31 1/4"	03012ST3QIE326TC-W22	12N949	
50	1180	326T	35.8	93.0%	31 1/4"	03012ST3QIE326T-W22	6AGX2	
	1775	324T	48.2	94.1%	29 3/4"	04018ST3QIE324T-W22	6AGX4	
	1180	364/5T	46.5	94.1%	34 1/4"	04012ST3QIE364/5T-W22	6AGX5	
	3550	326TS	56.1	93.0%	29 3/4"	05036ST3QIE326TS-W22	6AGX6	
75	1775	326T	59.2	94.5%	31 1/4"	05018ST3QIE326T-W22	6AGX7	
	1180	364/5T	57.4	94.1%	34 1/4"	05012ST3QIE365TS-W22	6AGX8	
100	60	3600	364/5TS	67.0	93.6%	32 1/4"	06036ST3QIE364TS-W22	15G077
	75	3600	364/5TS	81.9	93.6%	32 1/4"	07536ST3QIE365TS-W22	15G079
150	3600	404/5TS	110.0	94.1%	36 3/4"	10036ST3QIE404TS-W22	15G082	
	1800	404/5T	111.0	95.4%	39 3/4"	10018ST3QIE405T-W2	15G081	



1-Phase Hazardous Location Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: auto, except thermostat for Nos. 2NLE6 and 2NLE9
- Bearings: ball
- Max. ambient temp.: 40°C

Motors have sturdy rolled-steel frames and meet the National Electrical Code for hazardous locations. Unmounted conduit box is included with all 56-frame motors. Use to power fans, blowers, pumps, or air compressors in areas that meet the National Electrical Code for hazardous locations. UL Listed and CSA Certified.

Note: For assistance with hazardous location classification, see page 6.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Length Less Shaft	Hazardous Loc. Class & Group	Mfr. Model	Item No.
Capacitor-Start, Face-Mount										
1/4	1140	56CZ	115/208-230	6.8/3.1-3.4	1.00	B	11 1/8"	1 C,D / 2 E,F,G	056C11G15504	1TUL4 ±
	3450	56C	115/208-230	7.0/3.2-3.5	1.00	B	11 3/8"	1 C,D / 2 E,F,G	056C34G15521	1TUK4 *
1/2	1725	56C	115/208-230	6.6/3.1-3.3	1.00	B	11 3/8"	1 C,D / 2 E,F,G	056C17G15526	1TUN8
	3450	56C	115/208-230	8.4/4.0-4.2	1.00	B	11 3/8"	1 C,D / 2 E,F,G	056C34G15514	1TUK5
3/4	1725	56C	115/208-230	8.8/4.2-4.4	1.00	B	11 3/8"	1 C,D / 2 E,F,G	056C17G15524	1TUN9
	3450	56C	115/208-230	10.6/5.3-5.3	1.00	B	11 3/8"	1 C,D / 2 E,F,G	056C34G15516	1TUK6
1	1725	56C	115/208-230	11.0/5.4-5.5	1.00	B	12 3/8"	1 C,D / 2 E,F,G	056C17G15530	1TUP1
	3450	56C	115/208-230	12.4/6.7-6.2	1.00	B	12 3/8"	1 C,D / 2 E,F,G	056C34G15513	1TUK7
1 1/2	1725	56C	115/208-230	13.4/6.8-6.7	1.00	B	12 3/8"	1 C,D / 2 E,F,G	056C17G15516	1TUK8
Capacitor-Start/Run, Face-Mount										
1/2	1140	56CZ	115/208-230	9.6/4.7-4.8	1.00	B	12 1/8"	1 C,D / 2 E,F,G	056B11G15506	1TUL5 ±
	1725	56C	115/208-230	15.6/8.1-7.8	1.15	B	14 3/8"	1 C,D / 2 F,G	056B17G15510	2NLE6
Capacitor-Start, Face/Base-Mount										
1/2	1725	56C	115/208-230	6.6/3.1-3.3	1.00	B	11 3/8"	1 C,D / 2 F,G	056C17G5324	2NKY9
	3450	56C	115/208-230	8.4/4.0-4.2	1.00	B	11 3/8"	1 C,D / 2 F,G	056C34G15523	2NLE7
3/4	1725	56C	115/208-230	8.8/4.4-4.2	1.15	F	11 3/8"	1 C,D / 2 F,G	056C17G5328	2NKZ1
	3450	56C	115/208-230	10.6/5.3-5.3	1.00	B	11 3/8"	1 C,D / 2 F,G	056C34G5314	2NKZ2
1	1725	56C	115/208-230	11.0/5.4-5.5	1.00	B	12 3/8"	1 C,D / 2 F,G	056C17G5326	2NKZ3
	3450	56C	115/208-230	12.4/6.7-6.2	1.00	B	12 3/8"	1 C,D / 2 F,G	056C34G15524	2NLE8
1 1/2	1725	56C	115/208-230	13.4/6.8-6.7	1.00	B	12 3/8"	1 C,D / 2 F,G	056C17G5327	2NKZ4
Capacitor-Start/Run, Face/Base-Mount										
1 1/2	1760	143TC	115/208-230	15.6/8.1-7.8	1.15	B	14 3/8"	1 C,D / 2 F,G	143TBGR14033	2NLE9
Capacitor-Start, Rigid Base-Mount										
1/4	1725	56	115/208-230	4.8/2.3-2.4	1.00	B	10"	1 C,D / 2 E,F,G	056C17E15503	1TUL8 *
	1140	56	115/208-230	4.2/2.1	1.00	B	9 1/8"	1 D / 2 F,G	5KC36PNB169	3K793 *
1/2	1140	56	115/208-230	6.8/3.1-3.4	1.00	B	12"	1 C,D / 2 E,F,G	056C11G15502	1TUL1
	3450	56	115/208-230	7.0/3.2-3.5	1.00	B	11 1/2"	1 C,D / 2 E,F,G	056C34G15520	1TUN4
3/4	1725	56	115/208-230	6.6/3.1-3.3	1.00	B	11 1/2"	1 C,D / 2 E,F,G	056C17G15521	1TUL9
	1140	56	115/208-230	7.8/3.6-3.9	1.00	B	12"	1 C,D / 2 E,F,G	056C11G15503	1TUL2
1	3450	56	115/208-230	8.4/4.0-4.2	1.00	B	11 1/2"	1 C,D / 2 E,F,G	056C34G15515	1TUN5
	1725	56	115/208-230	8.8/4.2-4.4	1.00	B	12"	1 C,D / 2 E,F,G	056C17G15523	1TUN1
3/4	3450	56	115/208-230	10.6/5.3-5.3	1.00	B	12"	1 C,D / 2 E,F,G	056C34G15517	1TUN6
	1725	56	115/208-230	11.0/5.4-5.5	1.00	B	12 1/2"	1 C,D / 2 E,F,G	056C17G15525	1TUN2
1	3450	56	115/208-230	12.4/6.7-6.2	1.00	B	12 1/2"	1 C,D / 2 E,F,G	056C34G15518	1TUN7
	1725	56H	115/208-230	13.4/6.8-6.7	1.00	B	12 1/2"	1 C,D / 2 E,F,G	056C17G15527	1TUN3
Split-Phase, Rigid Base-Mount										
1/2	1140	56	115/208-230	9.6/4.7-4.8	1.00	B	13"	1 C,D / 2 E,F,G	056B11G15505	1TUL3
	1725	56H	208-230	8.1-7.8	1.00	B	14 1/8"	1 C,D / 2 E,F,G	056B17G15506	1TUL6
3/4	1140	56	115	3.8	1.00	B	10 1/2"	1 C,D / 2 E,F,G	056S11E15502	1TUK9 *
	1725	56	115	5.4	1.00	B	10"	1 C,D / 2 E,F,G	056S17E15501	1TUP2 *

* Totally enclosed nonventilated. ‡ Shaft is 5/8" x 2 1/4".