



6AGW5



Severe-Duty 3-Phase IEEE 841 NEMA Premium Efficient Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: none
- 460V
- Service factor: 1.25 for Weg; 1.15 for Marathon
- Insulation: Weg are Class F with B temp. rise for longer life; Marathon are H (except 19RV44 is F)
- Inverter rated
- Frame material: cast-iron
- Bearings: ball
- Max. ambient temp.: 40°C

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. Nonsparking fan. Weg motors feature Inpro-seal on drive end, and 50,000-hr. extended bearing life. All meet or exceed IEEE 841-2009 specification and all NEMA Premium/CEE requirements for energy efficiency.

HP	Name-plate RPM	Frame	Full Load Amps	Nom. Eff.	Overall Length	Brand	Mfr. Model	Item No.
1	1,760	143T	1.50	85.5 %	13 1/2"	Weg	00118ST3QIE143T-W22	6AGU1
	3,480	143T	1.90	84 %	13 1/2"	Weg	00156ST3QIE143T-W22	6AGU3
	1,755	145T	2.00	86.5 %	13 1/2"	Weg	00158ST3QIE145T-W22	6AGU4
1 1/2	1,170	182T	2.6	87.5 %	15 1/4"	Weg	00152ST3QIE182T-W22	6AGU5
	2,340	182T	3.4	86.5 %	15 1/4"	Weg	00218ST3QIE145T-W22	6AGU7
2	1,755	145T	2.8	86.5 %	13 1/2"	Weg	00338ST3QIE182T-W22	6AGU9
	3,510	182T	3.6	86.5 %	15 1/4"	Weg	00318ST3QIE182T-W22	6AGV0
3	1,760	182T	3.9	89.5 %	15 1/4"	Weg	00538ST3QIE184T-W22	6AGV2
	3,485	184T	5.9	88.5 %	15 1/4"	Weg	00518ST3QIE184T-W22	6AGV3
5	1,755	184T	6.5	89.5 %	15 1/4"	Weg	00512ST3QIE215T-W22	6AGV4
	1,170	215T	6.8	89.5 %	19 1/4"	Weg	00512ST3QIE215T-W22	6AGV4
1	1,755	184T	6.5	90.2 %	16 1/4"	Marathon	184THFC9026	19RV10

HP	Name-plate RPM	Frame	Full Load Amps	Nom. Eff.	Overall Length	Brand	Mfr. Model	Item No.
7 1/2	3,520	213T	8.8	89.5 %	19 1/4"	Weg	00736ST3QIE213T-W22	6AGV5
	1,765	213T	9.2	91.7 %	19 1/4"	Weg	00718ST3QIE213T-W22	6AGV6
	1,175	254T	9.5	91 %	24 1/4"	Weg	00712ST3QIE254T-W22	6AGV7
10	3,510	215T	11.6	90.2 %	19 1/4"	Weg	01036ST3QIE215T-W22	6AGV8
	1,765	215T	12.4	91.7 %	19 1/4"	Weg	01018ST3QIE215T-W22	6AGV9
	1,180	256T	12.9	91 %	24 1/4"	Weg	01012ST3QIE256T-W22	6AGW0
15	3,530	254T	17.2	91 %	24 1/4"	Weg	01536ST3QIE254T-W22	6AGW1
	1,765	254T	18.0	92.4 %	24 1/4"	Weg	01518ST3QIE254T-W22	6AGW2
	3,545	254T	17.8	93.6 %	24 1/4"	Marathon	254THFC9001	19RV24
	1,772	254T	18.8	91.7 %	24 1/4"	Marathon	254THFC9026	19RV25
	875	286T	22.0	94.1 %	27 1/4"	Marathon	286THFNA19101	19RV44
20	3,520	256T	23.2	91 %	24 1/4"	Weg	02036ST3QIE256T-W22	6AGW4
	1,765	256T	24.1	93 %	24 1/4"	Weg	02018ST3QIE256T-W22	6AGW5
	1,175	286T	24.2	91.7 %	27 1/4"	Weg	02012ST3QIE286T-W22	6AGW6
	3,540	256T	23.7	91.7 %	25 1/4"	Marathon	256THFC9001	19RV31
25	1,768	286T	24.2	91.7 %	25 1/4"	Marathon	256THFC9026	19RV32
	1,765	284T	29.5	93.6 %	27 1/4"	Weg	02518ST3QIE284T-W22	6AGW8
	1,772	284T	30.0	93.6 %	26 1/4"	Marathon	284THFC9026	19RV38
30	3,535	286TS	33.8	91.7 %	26 1/4"	Weg	03036ST3QIE286TS-W22	6AGX0
	1,760	286T	35.1	93.6 %	27 1/4"	Weg	03018ST3QIE286T-W22	6AGX1
	1,180	326T	35.8	93 %	31 1/4"	Weg	03012ST3QIE326T-W22	6AGX2
40	1,770	286T	35.5	94.1 %	28 1/4"	Marathon	286THFC9026	19RV45
	1,770	324T	47.1	94.1 %	31 1/4"	Weg	04018ST3QIE324T-W22	6AGX4
	1,185	364/5T	46.5	94.1 %	34 1/4"	Weg	04012ST3QIE364T-W22	6AGX5
50	1,782	324T	47.5	94.5 %	29 1/4"	Marathon	324THFC9026	19RV49
	3,550	326TS	56.1	93 %	29 1/4"	Weg	05036ST3QIE326TS-W22	6AGX6
	1,775	326T	59.2	94.5 %	31 1/4"	Weg	05018ST3QIE326T-W22	6AGX7
60	1,180	364/5T	57.4	94.1 %	34 1/4"	Weg	05012ST3QIE364T-W22	6AGX8
	3,600	364/5TS	67.0	93.6 %	32 1/4"	Weg	06036ST3QIE364TS-W22	15G077
75	3,600	364/5TS	81.9	93.6 %	32 1/4"	Weg	07536ST3QIE364TS-W22	15G079
100	1,800	404/5T	111.0	95.4 %	39 1/4"	Weg	10018ST3QIE404/5T-W22	15G081
100	3,600	404/5TS	110.0	94.1 %	36 1/4"	Weg	10036ST3QIE404/5TS-W22	15G082



Rigid Base-Mount

1-Phase Hazardous Location Motors

- Enclosure: totally enclosed fan-cooled, except where noted
- Rotation: CW/CCW
- Thermal protection: auto, except thermostat for 2NLE6
- 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.

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.
1/4	1,725	56	115/208-230V AC	4.8/2.3-2.4	1	B	10 in	1 C,D / 2 E,F,G	056C17E15503	1TUL8
	1,725	48	115/230V AC	4.2/2.1	1	B	9 1/2 in	1 D / 2 F,G	5K3C6PNB169	3K793
	1,140	56	115/208-230V AC	6.8/3.4-3.1	1	B	12 in	1 C,D / 2 E,F,G	056C11G15502	1TUL1
1/2	1,725	56	115/208-230V AC	6.6/3.3-3.1	1	B	11 1/2 in	1 C,D / 2 E,F,G	056C17G15521	1TUL9
	1,140	56	115/208-230V AC	7.8/3.9-3.6	1	B	12 in	1 C,D / 2 E,F,G	056C11G15503	1TUN2
1/2	3,450	56	115/208-230V AC	8.4/4.2-4.0	1	B	11 1/2 in	1 C,D / 2 E,F,G	056C34G15513	1TUN5
	1,725	56	115/208-230V AC	8.4/4.4-4.2	1	B	12 in	1 C,D / 2 E,F,G	056C17G15521	1TUN1
3/4	3,450	56	115/208-230V AC	10.6/5.3-5.3	1	B	12 in	1 C,D / 2 E,F,G	056C34G15513	1TUN6
	1,725	56	115/208-230V AC	11.0/5.5-5.4	1	B	12 1/2 in	1 C,D / 2 E,F,G	056C17G15525	1TUN2
1	1,725	56H	115/208-230V AC	13.4/6.8-6.7	1	B	12 1/2 in	1 C,D / 2 E,F,G	056C17G15512	1TUN3
1 1/2	1,725	56H	208-230V AC	8.1-7.8	1	B	14 1/2 in	1 C,D / 2 E,F,G	056B17G15506	1TUL6
1/4	1,725	56	115V AC	5.4	1	B	10 in	1 C,D / 2 E,F,G	056S17E15501	1TUP2
	1,725	56C	115/208-230V AC	6.6/3.3-3.1	1	B	11 3/4 in	1 C,D / 2 E,F,G	056C17G5324	2NKY9
1/2	1,725	56C	115/208-230V AC	8.8/4.4-4.2	1.15	F	11 1/2 in	1 C,D / 2 F,G	056C17G5328	2NK21
	3,450	56C	115/208-230V AC	10.6/5.3-5.3	1	B	11 1/2 in	1 C,D / 2 F,G	056C34G5314	2NKZ2
3/4	1,725	56C	115/208-230V AC	11.0/5.5-5.4	1	B	12 3/4 in	1 C,D / 2 F,G	056C17G5326	2NKZ3
	1,725	56C	115/208-230V AC	13.4/6.8-6.7	1	B	12 3/4 in	1 C,D / 2 F,G	056C17G5327	2NKZ4
1/4	1,140	56C2	115/208-230V AC	6.8/3.4-3.1	1	B	11 3/4 in	1 C,D / 2 E,F,G	056C11G15504	1TUL4
	1,725	56C	115/208-230V AC	6.6/3.3-3.1	1	B	11 3/4 in	1 C,D / 2 E,F,G	056C17G15526	1TUN8
1/2	1,725	56C	115/208-230V AC	8.8/4.4-4.2	1	B	11 3/4 in	1 C,D / 2 E,F,G	056C17G15524	1TUN9
	1,725	56C	115/208-230V AC	11.0/5.5-5.4	1	B	12 3/4 in	1 C,D / 2 E,F,G	056C17G15530	1TUP1
1	1,725	56C	115/208-230V AC	13.4/6.8-6.7	1	B	12 3/4 in	1 C,D / 2 E,F,G	056C17G15516	1TUK8
1 1/2	1,725	56C	115/208-230V AC	15.6/8.1-7.8	1.15	B	14 3/4 in	1 C,D / 2 F,G	056B17G15510	2NLE6

* Totally enclosed nonventilated. † Shaft is 3/8" x 2 1/4".