

Definite Purpose Motors

VECTOR DUTY MOTORS

TENV - Three-Phase - Foot Mount - Double C-Face

Designed specifically for inverter operation for applications requiring 1000:1 constant torque turndown ratio.

- Class F insulation (Impregnation Resin and Magnet wire are class H)
- NEMA design B
- F1 Mounted (F2 convertible)
- Stainless Steel Nameplate - Laser etched with high contrast background
- Gasketed conduit box
- Class I, Groups A, B, C & D – T3, Class II, Groups F & G – T3C



Features that make a difference:

- Constant torque operation from 0 to base speed (1000:1) on PWM Vector Drive
- Constant Horsepower operation up to 150% base speed
- Ready for encoder mount
- With thermostats (1 per phase)
- Special nameplate data for easy drive set-up
- Ready for C-face brake, limited to 10 lb-ft braking torque

Inverter Rated:
1000 : 1 for constant torque

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-79
MECHANICAL DATA: C-58

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	143TC	00118NT3FVD143TC-W22	697	D1	51	1.00	1.37	85.5	13.693	230/460	17
1.5	1.1	1800	145TC	00158NT3FVD145TC-W22	705	D1	57	1.00	1.98	86.5	14.678	230/460	17
2	1.5	1800	145TC	00218NT3FVD145TC-W22	928	D1	62	1.00	2.58	86.5	14.678	230/460	17
3	2.2	1800	182TC	00318NT3FVD182TC-W22	1,150	D1	100	1.00	3.91	89.5	15.569	230/460	17
5	3.7	1800	184TC	00518NT3FVD184TC-W22	1,373	D1	102	1.00	6.98	89.5	16.569	230/460	17
7.5	5.5	1800	213TC	00718NT3FVD213TC-W22	1,803	D1	173	1.00	9.08	91.7	18.541	230/460	17
10	7.5	1800	215TC	01018NT3FVD215TC-W22	2,157	D1	180	1.00	12.3	91.7	20.041	230/460	17
15	11	1800	254TC	01518NT3FVD254TC-W22	2,567	D1	316	1.00	19.3	92.4	23.837	230/460	17
20	3	1800	256TC	02018NT3FVD256TC-W22	3,747	D1	322	1.0	26.0	93.0	25.569	230/460	17

System Drive VFD AC Motors

1HP – 1500HP TEFC

The WEG Systems Drive VFD AC motor raises the bar for customers who demand the best. Benefits such as very high overload and expanded speed range capabilities increase the value of the product for many variable speed applications.

The designs are based on the W22 and H-Line Severe Duty motor platforms for outstanding reliability.

What makes this a Systems Drive Motor

- Constant torque capability to zero speed in standard NEMA frame size TEFC motor
- High torque designs for wide constant HP capability
- High short term overload capacities can exceed 200%
- 3 NC thermostats on winding
- Drive end shaft grounding available (standard 447T and larger)
- Insulated opposite drive end bearings available (standard 447T and larger)
- Very low noise
- Class I and Class II Division 2 up to 20:1CT to 449T frame (certification on larger ratings upon request)
- VFD rated insulation system exceeds requirements of NEMA MG1 Part 31 standard
- Custom designs for non-standard base speeds/frequencies (i.e. 600RPM base speed with 6-pole design) to replace many DC motor applications without gearing change



Features:

- 1000:1 Constant Torque
- Powerful
- Reliable
- Flexible

What makes this a WEG Motor

- Rugged FC200 high strength cast iron construction
- Paint system exceeds 200 hour salt spray test per ASTM B117
- PPLS – Positive Pressure Lubrication System
- All Silicon C4 coated lamination steel for reliability and repairability* – withstands burnout temperatures of 500C(935F) without loss of insulating properties. This allows the motor to be rewound back to the original efficiency
- Class F insulation system with mostly Class H components for long life
- Stainless steel nameplate

Please contact your authorized WEG distributor or go to weg.net/us for further information or additional specifications. **1-800-ASK-4WEG**



Three-Phase General Purpose Motors

OIL WELL PUMPING – ODP & TEFC

These special motors have the high slip and high torque that oil well beam pumping units demand.

Standard Features:

- Regreasable Bearings (Frames 254T and up)
- NEMA design D (5-8% slip)
- Class F insulation (Impregnation Resin and magnet Wire are class H)
- F2 Mounted (Cast Iron frames are F1 convertible).
- Stainless Steel Nameplate - Laser etched with High contrast background (Cast Iron Frames only)
- Gasketed conduit box (TEFC only)
- Class I, Div. 2, Groups A, B, C & D – T3, Class II, Div 2, Groups F & G – T3C (TEFC Frames only)



Features that make a difference:

- Anti-Rodent screen (ODP Frames 254T and up)
- High starting and breakdown torque (NEMA Design D)
- Roller bearings for frames 404T and up

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-75; B-76
MECHANICAL DATA: C-11; C-15; C-2



Definite Purpose Motors

OIL WELL PUMPING – ODP & TEFC

TEFC – Three-Phase – NEMA Design ‘D’

HP	KW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
3	2.2	1200	215T	00312ES3E0W215T	1,027	P1E	136	1.15	4.98	73.9	19.517	208-230/460	7
5	3.7	1200	215T	00512ES3E0W215T	1,170	P1E	181	1.15	7.40	77.5	19.517	208-230/460	7
		900	256T	00509ES3E0W256T	2,242	P1E	291	1.15	7.25	77.0	24.945	208-230/460	7
7.5	5.5	1200	254T	00712ES3E0W254T	1,688	P1E	272	1.15	9.26	83.8	23.213	208-230/460	7
10	7.5	1200	256T	01012ES3E0W256T	2,070	P1E	329	1.15	13.1	80.0	24.945	208-230/460	7
		900	286T	01009ES3E0W286T	3,437	P1E	403	1.15	13.9	82.5	27.929	208-230/460	7
15	11	1200	284T	01512ES3E0W284T	2,679	P1E	440	1.15	18.5	85.0	26.433	208-230/460	7
		900	324T	01509ES3E0W324T	4,293	P1E	535	1.15	19.5	85.5	29.620	208-230/460	7
20	15	1200	286T	02012ES3E0W286T	3,162	P1E	488	1.15	24.6	86.0	27.929	208-230/460	7
		900	326T	02009ES3E0W326T	4,872	P1E	613	1.15	26.2	85.5	31.116	208-230/460	7
25	18.5	1200	324T	02512ES3E0W324T	3,887	P1E	570	1.15	29.8	88.5	29.620	208-230/460	7
30	22	1200	326T	03012ES3E0W326T	4,515	P1E	614	1.15	35.5	89.4	31.116	208-230/460	7
40	30	1200	364/5T	04012ES3E0W365T	6,290	P1E	925	1.15	52.5	87.5	33.709	208-230/460	7
50	37	1200	404/5T	05012ES3E0W404T	8,172	P1E	1215	1.15	62.0	88.1	38.077	208-230/460	1;7;14
60	45	1200	404/5T	06012ES3E0W405T	9,414	P1E	1252	1.15	78.5	89.0	38.077	208-230/460	1;7;14
75	55	1200	444/5T	07512ES3E0W444T	14,976	P1E	1759	1.15	90.0	87.0	43.776	208-230/460	1;7;14
100	75	1200	444/5T	10012ES3E0W445T	18,074	P1E	2063	1.15	120	90.2	43.776	208-230/460	1;7;14

Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit <http://catalog.wegelectric.com>

Data subject to change without notice.



HP	KW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1.5	1.1	1200	184T	001520S3E0W184T	777	P1E	71	1.00	2.66	71.0	14.291	208-230/460	1;7
2	1.5	1200	184T	002120S3E0W184T	793	P1E	78	1.00	3.36	81.3	14.291	208-230/460	1;7;9
3	2.2	1200	213T	003120S3E0W213T	866	P1E	113	1.00	4.69	80.7	17.165	208-230/460	1;7;9
5	3.7	1200	215T	005120S3E0W215T	989	P1E	125	1.00	7.15	85.5	17.165	208-230/460	1;7;9
7.5	5.5	1200	254T	007120S3E0W254T	1,434	P1E	230	1.00	9.63	81.5	20.669	208-230/460	1;7
10	7.5	1200	256T	010120S3E0W256T	1,796	P1E	273	1.00	13.5	83.0	22.401	208-230/460	1;7
15	11	1200	284T	015120S3E0W284T	2,441	P1E	349	1.00	18.1	86.5	23.386	208-230/460	1;7
20	15	1200	286T	020120S3E0W286T	2,603	P1E	357	1.00	24.5	86.5	24.882	208-230/460	1;7
25	18.5	1200	324T	025120S3E0W324T	3,247	P1E	503	1.00	33.6	86.5	26.181	208-230/460	1;7
30	22	1200	326T	030120S3E0W326T	3,848	P1E	556	1.00	39.0	88.5	27.667	208-230/460	1;7
40	30	1200	364/5T	040120S3E0W365T	5,277	P1E	860	1.00	51.3	88.5	29.764	208-230/460	1;7
50	37	1200	404/5T	050120S3E0W405T	6,834	P1E	1019	1.00	61.7	88.5	34.133	208-230/460	1;7;14
60	45	1200	404/5T	060120S3E0W405T	7,495	P1E	1036	1.00	75.1	88.5	34.133	208-230/460	1;7;14
75	55	1200	444/5T	075120S3E0W445T	12,308	P1E	1458	1.00	96.4	89.5	39.803	208-230/460	1;7;14
100	75	1200	444/5T	100120S3E0W445T	13,078	P1E	1706	1.00	127	90.2	39.803	208-230/460	1;7;14

Definite Purpose Motors

COMPRESSOR DUTY MOTORS

ODP - Single-Phase – Foot Mount

These high quality motors are designed to meet the high torque requirements of air compressor loads. Special electrical and mechanical design guarantee reliable service and longer motor life.

Single-Phase

- Class B insulation
- Start Capacitor
- Ball bearings
- Manual Reset Thermal Overload Protection
- High starting torque
- Rolled Steel frames have base seam welded to the frame for heavy duty use



Single Phase



Three Phase

Three-Phase

- Class F insulation (Impregnation Resin and Magnet wire are class H)
- Class B Rise at 1.15 Service Factor
- F1 Mounted (Cast Iron Frame motors are F2 convertible)
- Stainless Steel Nameplate - Laser etched with high contrast background (Cast Iron Frames only)
- Cast Iron Frames: Regreasable ball bearings
- Rolled Steel Frames: ZZ ball bearings (permanently lubricated)

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-77; B-18
MECHANICAL DATA: C-56; C-11; C-15



Definite Purpose Motors

COMPRESSOR DUTY MOTORS

ODP – Single-Phase – Foot Mount

HP	KW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
0.5	0.37	3600	C56	.50360S1BCDC56	224	C1	24	1.00	3.30	63.0	10.551	115/208-230	1;4;6;9
0.75	0.55	3600	C56	.75360S1BCDC56	237	C1	32	1.00	4.60	66.0	10.551	115/208-230	1;4;6;9
1	0.75	3600	B56	001360S1BCDB56	278	C1	36	1.00	6.10	67.0	11.102	115/208-230	1;4;6;9
1.5	1.1	3600	D56	001560S1BCDD56	311	C1	40	1.00	8.40	68.0	12.283	115/208-230	1;4;6;9
2	1.5	3600	D56	002360S1BCDD56	372	C1	41	1.00	11.0	70.0	12.283	115/208-230	1;4;6;9
3	2.2	3600	F56H	003360S1BCDF56	432	C1	44	1.00	14.7	77.0	13.464	115/208-230	1;4;6;9
		1800	184T	003180S1CCDOL184T	687	C1	97	1.15	17.5	75.0	14.875	208-230	4;6
4	3.0	3600	G56HZ	004360S1DCDG56HZ	453	C1	47	1.15	16.5	82.5	14.234	230	4;5;6;9
5	3.7	3600	G56H	005360S1CCDG56	458	C1	52	1.00	19.0	85.0	13.858	208-230	1;4;6;9
		3600	G56HZ	005360S1CCDG56HZ	481	C1	52	1.00	19.0	85.0	14.234	208-230	1;4;5;6;9
		1800	184T	005180S1CCD184T	682	C1	97	1.25	21.5	82.5	14.875	208-230	6;10
		1800	184T	005180S1CCDOL184T	721	C1	98	1.15	21.5	82.5	14.875	208-230	4;6
6.4	4.8	3600	182/4Y	006360S1XCD182/4Y	526	C1	53	1.00	23.0	85.0	15.650	240	1;4;5;6;9
7.5	5.5	1800	215T	007180S1CCD215T	961	C1	132	1.15	31.3	84.5	19.660	208-230	5;6;9;28
10	7.5	1800	215T	010180S1CCD215T	1,468	C1	161	1.15	43.0	85.0	21.235	208-230	5;6;9;28



Definite Purpose Motors

COMPRESSOR DUTY MOTORS

ODP – Three-Phase – Foot Mount – NEMA Premium

HP	KW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	E143/5T	001180T3ECD143T	398	N1B	48	1.15	1.45	85.5	12.047	208-230/460	6;9
1.5	1.1	1800	E143/5T	001580P3PCD145T	382	W1B	40	1.15	4.83	84.0	12.047	200	6;9;30
		1800	E143/5T	001580T3ECD145T	458	N1B	56	1.15	2.20	86.5	12.047	208-230/460	6;9
2	1.5	1800	E143/5T	002180T3ECD145T	502	N1B	57	1.15	2.90	86.5	12.047	208-230/460	6;9
3	2.2	1800	182T	003180T3ECD182T	535	N1B	66	1.15	4.06	89.5	13.504	208-230/460	6;9
5	3.7	3600	F56H	005360S3ECD56	412	C1	45	1.00	6.70	74.8	13.464	208-230/460	1;6;9;29
		1800	184T	005180P3NCD184T	532	W1B	74	1.15	7.93	87.5	14.291	220/380	6;9;30
		1800	184T	005180T3ECD184T	643	N1B	78	1.15	6.41	89.5	14.291	208-230/460	6;9
7.5	5.5	3600	184T	007360T3ECD184T	938	N1B	74	1.15	8.97	88.5	14.291	208-230/460	6;9
		1800	213/5T	007180T3ECD213T	928	N1B	113	1.15	9.03	91.0	17.165	208-230/460	6;9
		1800	213T	007180T3PCD213T	928	N1B	102	1.15	20.8	91.0	14.291	200	6;9
		1800	215T	010180T3ECD215T	1,124	N1B	140	1.15	12.2	91.7	17.165	208-230/460	6;9
10	7.5	1800	213/5T	010180T3PCD215T	1,124	N1B	139	1.15	28.1	91.7	17.165	200	6;9
		1800	254T	015180P3PCD254T	1,256	W1B	235	1.15	43.0	91.0	20.669	200	6;30
15	11	1800	254T	015180T3ECD254T	1,507	N1B	261	1.15	18.4	91.0	20.669	208-230/460	6
		1800	254T	015180T3HCD254T	1,507	N1B	261	1.15	14.9	91.0	20.669	575	6
		1800	254T	015180T3PCD254T	1,507	N1B	261	1.15	42.8	91.0	20.669	200	6
		3600	254T	020360T3ECD254T	1,795	N1B	259	1.15	24.6	91.0	20.669	208-230/460	6
20	15	3600	254T	025360T3ECD256T	2,182	N1B	259	1.15	29.8	91.7	22.401	208-230/460	6
		1800	256T	020180T3ECD256T	1,869	N1B	298	1.15	25.0	93.0	22.401	208-230/460	6

Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES"

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Definite Purpose Motors

HYDRAULIC PUMP MOTORS

TEFC – Three-Phase – SAE-A – High Efficiency

Heavy duty cast iron enclosure designed for continuous or intermittent duty. Typical applications are hydraulic pumps for trash compactors, car lift and others.

- Class F insulation (Impregnation Resin and magnet Wire are class H)
- F3 mount
- 8-hole SAE-A flange for different angle pump mounting
- Shaft with 3/4” bore (female shaft)

Features that make a difference

- NPT Threaded terminal box
- Cast Iron frame
- Totally Enclosed IP55 rated

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
5	3.7	1800	184TYZ	00518EP3EHP184TYZ7F3	819	W1	102	1.15	7.29	88.5	12.800	208-230/460	8;30
7.5	5.5	1800	213TYZ	00718EP3EHP213TYZ7F3	1,054	W1	172	1.15	10.7	89.5	14.816	208-230/460	8;30
10	7.5	1800	215TYZ	01018EP3EHP215TYZ7F3	1,244	W1	189	1.15	15.0	89.5	16.312	208-230/460	8;30
15	11	1800	215TYZ	01518ES3EHP215TYZ6F3	1,360	W1	160	1.15	20.5	87.5	16.057	208-230/460	8;29



Three-Phase Brake Motors

TEFC - High Efficiency

WEG brake motors consist of an induction motor coupled to a disc brake. Brake is of sturdy construction with few moving parts which guarantees long durability and minimum maintenance.

Standard Features:

- Class F insulation (Impregnation Resin and Magnet wire are class H)
- F1 Mounted
- Stainless Steel Nameplate - Laser etched with high contrast background
- Regreasable ball bearings (Frames 254T and up)



Features that make a difference:

- 1.25 service factor
- NPT Threaded terminal box
- Armature type brake
- Manual Release

Inverter Rated:
1000:1 for variable torque
12:1 for constant torque

If separate power supply to the Brake is required, (Such as on Motors operating from Variable frequency Controller); 230V to the Brake module is mandatory, unless motor model contains “Q” (ex. 00118EP3EBMQ143T). For “Q” models, the input voltage to the Brake module is 460V AC.

Brake Torques		
Frame	N.m	lb.ft
143/5T	16	12
182/4T	60	44
213/5T	125	92
254/6T	235	173
284/6T	400	295

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-56
MECHANICAL DATA: C-36





BRAKE MOTORS

TEFC – Foot Mount



HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	143T	00118EP3EBM143T	1,378	B1	56	1.25	1.48	82.5	15.222	208-230/460	25;30
		1800	143T	00118EP3EBMQ143T	1,538	B1	52	1.25	1.48	82.5	15.222	208-230/460	24;26;30
		1800	143T	00118EP3HBM143T	1,378	B1	52	1.25	1.18	82.5	15.222	575	11;25;30
		1200	145T	00112EP3EBM145T	1,484	B1	62	1.25	1.70	80.0	16.166	208-230/460	25;30
		900	182T	00109EP3EBM182T	2,350	B1	105	1.25	2.31	74.0	18.246	208-230/460	25;30
1.5	1.1	3600	143T	00156EP3EBM143T	1,389	B1	49	1.25	2.07	82.5	15.222	208-230/460	25;30
		1800	145T	00158EP3EBM145T	1,435	B1	63	1.25	2.05	84.0	16.166	208-230/460	25;30
		1800	145T	00158EP3EBMQ145T	1,595	B1	58	1.25	2.05	84.0	16.166	208-230/460	24;26;30
		1200	182T	00152EP3EBM182T	2,138	B1	103	1.25	2.37	85.5	18.246	208-230/460	25;30
		900	184T	00159EP3EBM184T	2,479	B1	130	1.25	2.72	77.0	19.246	208-230/460	25;30
2	1.5	3600	145T	00236EP3EBM145T	1,401	B1	52	1.25	2.60	84.0	16.166	208-230/460	25;30
		1800	145T	00218EP3EBM145T	1,447	B1	63	1.25	2.77	84.0	16.166	208-230/460	25;30
		1800	145T	00218EP3EBMQ145T	1,607	B1	60	1.25	2.77	84.0	16.166	208-230/460	24;26;30
		1200	184T	00212EP3EBM184T	2,233	B1	125	1.25	3.20	86.5	19.246	208-230/460	25;30
		900	213T	00209EP3EBM213T	2,977	B1	181	1.25	3.46	82.5	22.646	208-230/460	25;30
3	2.2	3600	182T	00336EP3EBM182T	2,116	B1	117	1.25	3.71	85.5	18.246	208-230/460	25;30
		1800	182T	00318EP3EBM182T	1,916	B1	107	1.25	3.90	87.5	18.246	208-230/460	25;30
		1800	182T	00318EP3EBMQ182T	2,076	B1	108	1.25	3.90	87.5	18.246	208-230/460	24;26;30
		1200	213T	00312EP3EBM213T	2,982	B1	187	1.25	4.26	87.5	22.646	208-230/460	25;30
		900	215T	00309EP3EBM215T	3,234	B1	216	1.25	4.33	84.0	24.142	208-230/460	25;30
5	3.7	3600	184T	00536EP3EBM184T	2,190	B1	122	1.25	5.90	87.5	19.246	208-230/460	25;30
		1800	184T	00518EP3EBM184T	2,143	B1	103	1.25	6.47	87.5	19.246	208-230/460	25;30
		1800	184T	00518EP3EBMQ184T	2,303	B1	113	1.25	6.47	87.5	19.246	208-230/460	24;26;30
		1800	184T	00518EP3HBM184T	2,143	B1	102	1.25	5.24	87.5	19.246	575	25;30
		1200	215T	00512EP3EBM215T	3,218	B1	209	1.25	6.80	87.5	24.142	208-230/460	25;30
7.5	5.5	900	254T	00509EP3EBM254T	5,043	B1	284	1.25	7.99	85.5	28.095	208-230/460	25;30
		3600	213T	00736EP3EBM213T	2,860	B1	167	1.25	8.67	88.5	22.646	208-230/460	25;30
		1800	213T	00718EP3EBM213T	2,640	B1	179	1.25	9.52	89.5	22.646	208-230/460	25;30
		1200	254T	00712EP3EBM254T	4,756	B1	271	1.25	9.52	89.5	28.095	208-230/460	25;30
		900	256T	00709EP3EBM256T	5,613	B1	328	1.25	11.2	86.5	29.827	208-230/460	25;30
10	7.5	3600	215T	01036EP3EBM215T	3,304	B1	198	1.25	11.7	89.5	24.142	208-230/460	25;30
		1800	215T	01018EP3EBM215T	3,184	B1	209	1.25	12.7	89.5	24.142	208-230/460	25;30
		1800	215T	01018EP3HBM215T	3,184	B1	167	1.25	10.2	89.5	24.142	575	25;30
		1200	256T	01012EP3EBM256T	5,260	B1	292	1.25	13.3	89.5	29.827	208-230/460	25;30

BRAKE MOTORS

TEFC – Foot Mount *continued*

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
15	11	3600	254T	01536EP3EBM254T	4,560	B1	306	1.25	17.0	90.2	28.095	208-230/460	25;30
		1800	254T	01518EP3EBM254T	4,852	B1	300	1.25	17.8	91.0	28.095	208-230/460	25;30
		1800	254T	01518EP3EBMQ254T	5,012	B1	293	1.25	17.8	91.0	28.095	208-230/460	24;26;30
20	15	3600	256T	02036EP3EBM256T	5,371	B1	339	1.25	23.3	90.2	29.827	208-230/460	25;30
		1800	256T	02018EP3EBM256T	5,404	B1	328	1.25	24.3	91.0	29.827	208-230/460	25;30
25	18.5	1800	284T	02518EP3EBM284T	6,248	B1	482	1.25	29.6	92.4	32.648	208-230/460	25;30
30	22	1800	286T	03018EP3EBM286T	6,259	B1	512	1.25	34.3	92.4	34.144	208-230/460	25;30



BRAKE MOTORS

TEFC - C-Face - Foot Mount

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	143TC	00118EP3EBMQ143TC	1,816	B1	52	1.25	1.48	82.5	15.222	208-230/460	24;26;30
1.5	1.1	1800	145TC	00158EP3EBMQ145TC	1,873	B1	58	1.25	2.05	84.0	16.166	208-230/460	24;26;30
2	1.5	1800	145TC	00218EP3EBMQ145TC	1,885	B1	60	1.25	2.77	84.0	16.166	208-230/460	24;26;30
3	2.2	1800	182TC	00318EP3EBMQ182TC	2,387	B1	108	1.25	3.90	87.5	18.246	208-230/460	24;26;30
5	3.7	1800	184TC	00518EP3EBMQ184TC	2,614	B1	113	1.25	6.47	87.5	19.246	208-230/460	24;26;30

Note: Flanged motors on Cast Iron frame sizes 143/5 to 254/6 have non-NEMA BA dimension. Refer to mechanical section of this catalog for details.

Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit <http://catalog.wegelectric.com>

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Definite Purpose Motors

SAW ARBOR MOTORS

TEFC

Single and double shaft end available. These motors are suitable for a wide range of applications such as circular saws, pendulum saws, polishing machines, among others.

Standard Features:

- Class F insulation (Impregnation Resin and magnet Wire are class H)
- Ball bearings
- PG threaded terminal boxes



Features that make a difference:

- Reinforced cast iron frame
- Low profile



Definite Purpose Motors



TEFC – Three-Phase – Right-Hand Thread

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
3	2.2	3600	80S	00336ES3ESA80SR	969	01	95	1.15	4.29	80.5	18.543	208-230/460	
5	3.7	3600	80M	00536ES3ESA80MR	1,160	01	110	1.15	6.65	85.0	20.512	208-230/460	
		1800	90L	00518ES3ESA90LR	1,701	01	163	1.15	7.03	84.5	26.476	208-230/460	
7.5	5.5	3600	80L	00736ES3ESA80LR	1,642	01	133	1.15	9.76	87.4	22.480	208-230/460	
		3600	80L	00736ES3HSA80LR	1,642	01	133	1.15	7.81	87.4	22.480	575	
		1800	90L	00718ES3ESA90LR	1,855	01	179	1.15	10.1	85.3	26.476	208-230/460	
10	7.5	3600	90L	01036ES3ESA90LR	1,953	01	180	1.15	12.3	85.0	26.476	208-230/460	
		3600	90L	01036ES3HSA90LR	1,953	01	180	1.15	9.83	85.0	26.476	575	
		1800	90L	01018ES3ESA90LR	2,176	01	194	1.15	14.1	85.5	26.476	208-230/460	

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-78
MECHANICAL DATA: C-61



TEFC – Three-Phase – Left-Hand Thread

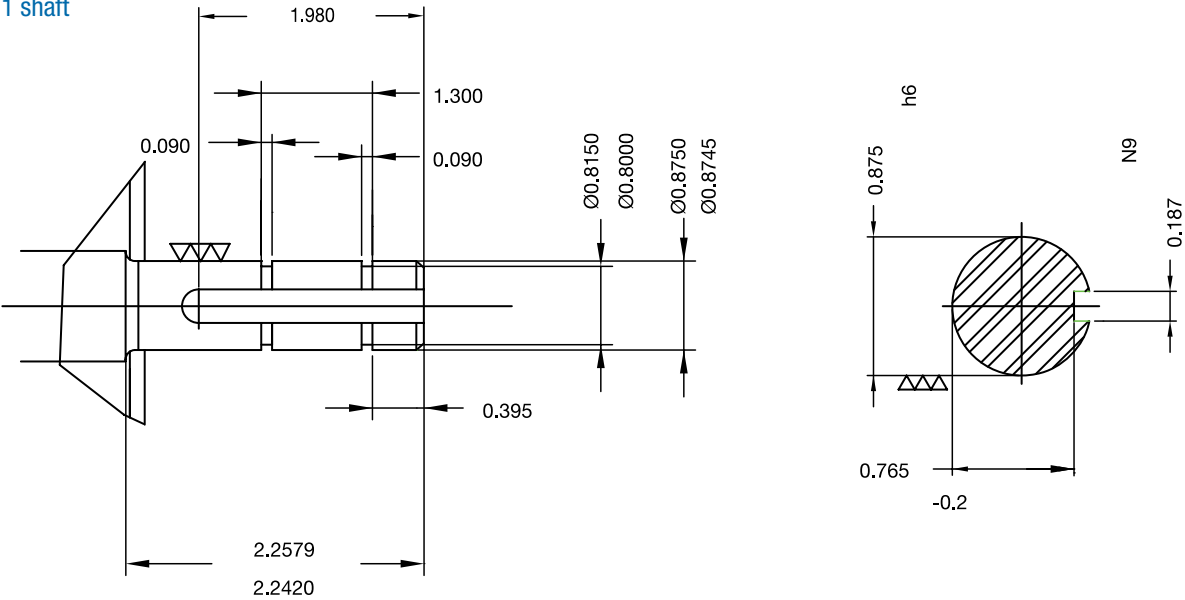
HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
3	2.2	3600	80S	00336ES3ESA80SL	969	01	95	1.15	4.29	80.5	18.543	208-230/460	
5	3.7	3600	80M	00536ES3ESA80ML	1,160	01	110	1.15	6.65	85.0	20.512	208-230/460	
		1800	90L	00518ES3ESA90LL	1,701	01	163	1.15	7.03	84.5	26.476	208-230/460	
7.5	5.5	3600	80L	00736ES3ESA80LL	1,642	01	132	1.15	9.76	87.4	22.480	208-230/460	
		3600	80L	00736ES3HSA80LL	1,642	01	132	1.15	7.81	87.4	22.480	575	
		1800	90L	00718ES3ESA90LL	1,855	01	179	1.15	10.1	85.3	26.476	208-230/460	
10	7.5	3600	90L	01036ES3ESA90LL	1,953	01	180	1.15	12.3	85.0	26.476	208-230/460	
		3600	90L	01036ES3HSA90LL	1,953	01	170	1.15	9.83	85.0	26.476	575	
		1800	90L	01018ES3ESA90LL	2,176	01	193	1.15	14.1	85.5	26.476	208-230/460	



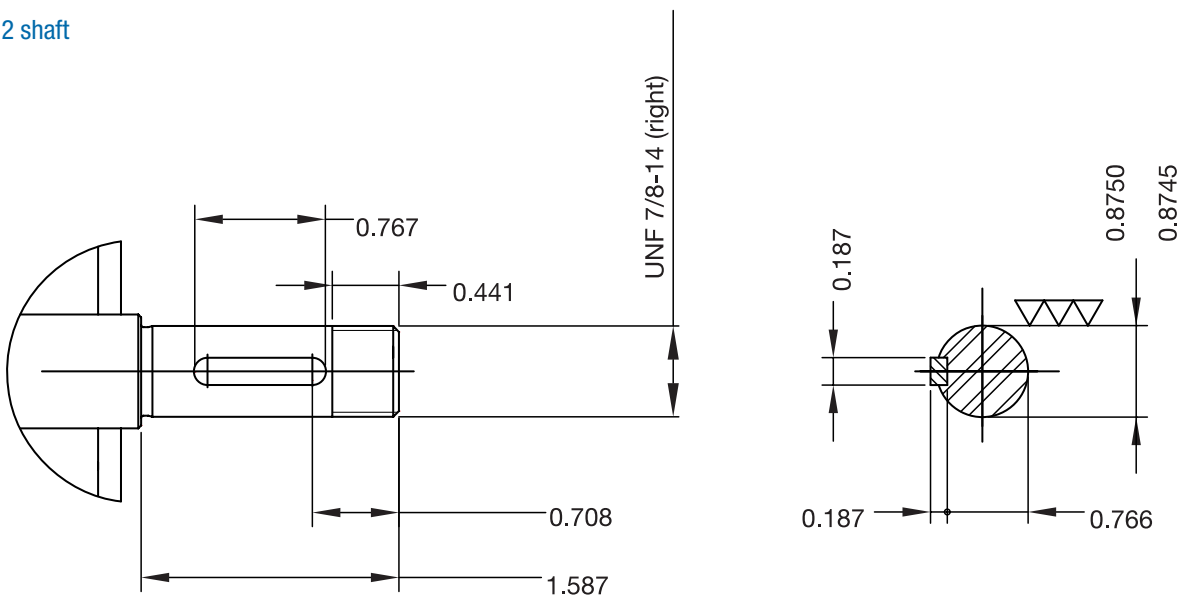
TEFC - C-Face - Footless

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1.5	3	1800	143/5TCZ	00158EP3ESB145TCZ-1	1,352	RS	45	1.15	2.20	84.0	15.321	208-230/460	9;15;30
2	3	1800	143/5TCZ	00218EP3ESB145TCZ-1	1,463	RS	52	1.15	2.95	84.0	15.321	208-230/460	9;15;30
2	3	1800	143/5TCZ	00218EP3ESB145TCZ-2	1,463	RS	43	1.15	2.95	84.0	15.320	208-230/460	9;20;30

Type -1 shaft



Type -2 shaft



Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES"
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