

GENERAL PURPOSE MOTORS

SINGLE PHASE – FOOT MOUNT



ODP

Starting capacitors, cast iron frames, rigid base and oversized ball bearings to ensure extended motor life are all standard features.

Remember to consider ambient temperatures and that ODP are suitable where dirt and moisture are at minimum. TEFC motors are specifically designed for operating in environments of dirt, dust and excess moisture.



TEFC

- FRACTIONAL HP
- GENERAL PURPOSE
- NEMA PREMIUM EFFICIENCY
- CRUSHER® DUTY
- IEC TRU-METRIC™
- PUMP MOTORS
- DEFINITE PURPOSE
- ADD-ON™ MODIFICATIONS
- MOTOR TECHNICAL DATA
- DRIVES & SOFT STARTERS
- CONTROLS

APPLICATIONS

- Pumps
- Fans
- Conveyors
- Blowers
- Air compressors
- Refrigeration equipment
- Industrial equipment
- Milling machines
- Tools
- Farm equipment*
- Aeration equipment
- Other moderate-to-high starting torque applications.

STANDARD FEATURES (Frame 143T–215T)

- Single-phase, II, IV and VI pole, 60Hz
- Squirrel cage rotor / Aluminum die cast
- NEMA dimensions
- Ball bearings
- Insulation Class 'F'
- High starting torque
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mounting T-Box
- NPT threaded terminal box
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 – Dark Gray
- Service factor : 1.15
- Service Factor : 1.25 (ODP only)
- 143/5T steel plate frames
- 182T up to 215T cast iron frames
- Automatic drain plugs
- V-ring slingers on both endshields

OPTIONAL FEATURES

- Special Voltages and frequency
- Stainless steel shaft
- C and D flanges available for all frames
- F2 mount

STANDARD FEATURES (Frame 48 & 56)

- Steel frame
- Single-phase, II, IV or VI pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)

Only for TEFC (IP55) motors:

- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields
- Designed to operate in any position

Note: Motors are tested according to IEEE 112 std. – method 'B' or C390 CSA
 * Design B torque rating on nameplate can be re-plated for design C
 Energy efficiency motors verified by UL in addition to the DOE.



GENERAL PURPOSE MOTORS—SINGLE-PHASE



ODP – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 230V	FL Eff. %	"C" Dimension	Voltage	NOTES
1/8	1800	48	.1218OS1BB48	201	F1	17	1.40	1.60	48.1	9.409	115/208-230V	
	3600	48	.1636OS1BB48	216	F1	17	1.35	1.60	49.9	9.409	115/208-230V	
1/6	1800	48	.1618OS1BB48	208	F1	17	1.35	1.90	50.3	9.409	115/208-230V	
	1800	48	.1618OS1BSPB48	224	F1	19	1.35	1.90	52.1	9.409	115/208-230V	♣
1/4	3600	48	.2536OS1BB48	220	F1	19	1.35	1.90	54.7	9.409	115/208-230V	
	3600	56	.2536OS1B56	220	F1	19	1.35	1.90	58.0	9.764	115/208-230V	
	1800	48	.2518OS1BB48	209	F1	19	1.35	2.40	55.9	9.409	115/208-230V	
	1800	48	.2518OS1BSPB48	240	F1	20	1.35	2.40	59.5	9.409	115/208-230V	♣
	1800	56	.2518OS1B56	209	F1	19	1.35	2.40	62.0	9.764	115/208-230V	
1/3	3600	48	.3336OS1BC48	222	F1	22	1.35	2.60	57.6	10.197	115/208-230V	
	3600	56	.3336OS1BC56	222	F1	22	1.35	2.60	57.6	10.551	115/208-230V	
	1800	48	.3318OS1BC48	237	F1	22	1.35	3.00	58.2	10.197	115/208-230V	
	1800	48	.3318OS1BSPC48	258	F1	22	1.35	3.13	60.0	10.197	115/208-230V	♣
1/2	1800	56	.3318OS1BC56	237	F1	22	1.35	3.00	58.2	10.551	115/208-230V	
	3600	48	.5036OS1BC48	237	F1	24	1.25	3.40	64.4	10.197	115/208-230V	
	3600	56	.5036OS1BC56	242	F1	24	1.25	3.40	64.4	10.551	115/208-230V	
	1800	48	.5018OS1BC48	273	F1	24	1.25	3.90	61.7	10.197	115/208-230V	
3/4	1800	48	.5018OS1BSPC48	279	F1	24	1.25	4.00	63.5	10.197	115/208-230V	♣
	1800	56	.5018OS1BC56	264	F1	24	1.25	3.90	61.7	10.551	115/208-230V	
	3600	56	.7536OS1BB56	274	F1	32	1.25	5.50	67.2	11.102	115/208-230V	
	1800	56	.7518OS1BD56	328	F1	36	1.25	5.50	66.7	12.283	115/208-230V	
1	3600	56	00136OS1BD56	296	F1	36	1.25	7.00	66.3	12.283	115/208-230V	
	1800	56	00118OS1BD56	355	F1	39	1.15	7.00	71.4	12.283	115/208-230V	
1 1/2	3600	56	00156OS1BD56	333	F1	40	1.15	9.00	70.0	12.283	115/208-230V	
	1800	56H	00158OS1BF56	438	F1	51	1.15	10.5	71.3	13.464	115/208-230V	
2	3600	56H	00236OS1BF56	409	F1	48	1.15	11.0	77.9	13.464	115/208-230V	
	1800	56H	00218OS1BG56	522	F1	55	1.15	13.0	71.4	13.858	115/208-230V	
3	3600	56H	00336OS1BG56	475	F1	53	1.15	15.00	77.4	13.858	115/208-230V	
	3600	182T	00336OS1D182T	606	W1	80	1.25	15.00	78.0	14.448	230V	
	1800	184T	00318OS1D184T	691	W1	99	1.25	17.00	72.0	14.875	230V	
5	3600	184T	00536OS1D184T	862	W1	109	1.25	21.00	82.0	14.875	230V	
	1800	184T	00518OS1C184T	725	W1	109	1.25	24.60	81.6	14.875	208-230V	
	1800	184T	00518OS1CCD184T	682	W1	109	1.25	24.50	82.0	14.875	208-230V	c
7.5	3600	184T	00736OS1C184T	961	W1	130	1.25	30.60	85.0	14.875	208-230V	
	1800	215T	00718OS1F215T	961	W1	130	1.15	30.60	85.0	19.660	208-230V	CCW

- ELECTRICAL FEATURES ON PAGE B-2, B-10.
- MECHANICAL FEATURES ON PAGE B-50, B-61.

♣ = Split-Phase Motor

c = Compressor Duty

CCW = CCW Rotation Only

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS



GENERAL PURPOSE MOTORS—SINGLE-PHASE



TEFC – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 230V	FL Eff. %	"C" Dimension	Voltage	NOTES
1/4	3600	56	.2536ES1BB56	257	F1	31	1.15	2.50	50.0	11.496	115/208-230V	
	1800	56	.2518ES1BB56	267	F1	33	1.15	2.30	57.7	11.496	115/208-230V	
1/3	3600	56	.3336ES1BB56	267	F1	36	1.15	2.80	53.0	11.496	115/208-230V	
	1800	56	.3318ES1BB56	283	F1	36	1.15	3.00	61.0	11.496	115/208-230V	
1/2	3600	56	.5036ES1BB56	284	F1	40	1.15	3.80	58.0	11.496	115/208-230V	
	1800	56	.5018ES1BB56	312	F1	41	1.15	3.85	66.5	11.496	115/208-230V	
	1200	56	.5012ES1BD56	512	F1	41	1.15	4.90	71.0	12.677	115/208-230V	
3/4	3600	56	.7536ES1BB56	297	F1	41	1.15	5.30	64.0	11.496	115/208-230V	
	1800	56	.7518ES1BB56	348	F1	46	1.15	5.60	68.5	11.496	115/208-230V	
	1200	56	.7512ES1BF56	648	F1	58	1.15	5.20	71.0	13.858	115/208-230V	
1	3600	56	00136ES1BD56	376	F1	46	1.15	6.30	67.0	12.677	115/208-230V	
	3600	F143T	00136ES1E143T	553	W1	63	1.15	6.30	67.7	14.834	208-230/460V	
	1800	56	00118ES1BD56	401	F1	52	1.15	7.00	70.3	12.677	115/208-230V	
	1800	F143T	00118ES1E143T	531	W1	65	1.15	7.00	68.0	14.834	208-230/460V	
1.5	3600	56	00156ES1BD56	432	F1	56	1.15	8.50	70.0	12.677	115/208-230V	
	3600	F143T	00156ES1E143T	602	W1	65	1.15	8.50	70.0	14.834	208-230/460V	
	1800	56	00158ES1BF56	456	F1	58	1.15	9.00	76.5	13.858	115/208-230V	
	1800	G145T	00158ES1E145T	611	W1	73	1.15	9.00	72.0	15.228	208-230/460V	
	1200	182T	00152ES1E182T	1,100	W1	135	1.15	7.70	80.0	17.240	208-230/460V	
2	3600	56	00236ES1BF56	561	F1	65	1.15	10.5	74.0	13.858	115/208-230V	
	3600	G145T	00236ES1E145T	640	W1	73	1.15	10.2	75.0	15.228	208-230/460V	
	1800	G145T	00218ES1E145T	615	W1	75	1.15	10.8	74.0	15.228	208-230/460V	
	1200	W213T	00212ES1E213T	1,209	W1	184	1.15	10.0	80.0	21.000	208-230/460V	
3	3600	G145T	00336ES1E145T	829	W1	79	1.15	13.5	78.8	15.228	208-230/460V	
	3600	182T	00336ES1E182T	879	W1	109	1.15	13.5	78.8	17.240	208-230/460V	
	1800	184T	00318ES1E184T	874	W1	133	1.15	14.0	78.0	17.050	208-230/460V	
	1200	215T	00312ES1E215T	1,327	W1	204	1.15	13.0	82.0	21.000	208-230/460V	
5	3600	184T	00536ES1E184T	1,038	W1	133	1.15	21.0	83.0	17.050	208-230/460V	
	1800	184T	00518ES1E184T	1,064	W1	157	1.15	21.0	79.4	17.050	208-230/460V	
	1800	215TZ	00518ES1E215TZ	1,181	W1	169	1.15	21.0	79.4	19.567	208-230/460V	
	1200	215T	00512ES1E215T	1,588	W1	213	1.15	22.0	83.0	19.500	208-230/460V	
7.5	3600	213T	00736ES1E213T	1,548	W1	167	1.15	31.0	84.0	21.000	208-230/460V	
	1800	215T	00718ES1E215T	1,359	W1	199	1.15	34.0	82.0	19.500	208-230/460V	
	1800	215TZ	00718ES1E215TZ	1,446	W1	199	1.15	34.0	82.0	19.567	208-230/460V	
10	3600	215T	01036ES1E215T	1,916	W1	196	1.15	38.2	88.2	19.500	208-230/460V	
	1800	215T	01018ES1E215T	1,579	W1	223	1.15	40.0	83.0	19.500	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-3, B-10.
- MECHANICAL FEATURES ON PAGE B-51, B-61.

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS