

# FRACTIONAL HP – GENERAL PURPOSE MOTORS



**ODP**

## THREE PHASE FOOT MOUNT

*These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads. These motors do utilize phase insulation materials and the TEFC motors are suitable for use with VFD.*



**TEFC**

### APPLICATIONS

- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

### STANDARD FEATURES

- Three-phase, II, IV or VI pole, 60Hz
- Squirrel cage rotor
- NEMA dimensions
- High starting torque
- Service Factor 1.15 or better
- Ball bearings
- Color: RAL 7022 (Dark Gray)
- Class 'B' insulation (ODP)
- Class 'F' insulation (TEFC)
- Continuous duty, 40°C ambient
- V-ring slinger in both endshields
- Designed to operate in any position
- Class I, Div II. Groups B, C & D (TEFC only)
- Class II, Div II. Group F. CSA: 50962 (TEFC only)
- Dual Rated (60/50Hz)

### OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- Thermal protection



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E 104590

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LR 38324



# FRACTIONAL HP – GENERAL PURPOSE MOTORS

## NEMA 56 FRAMES – THREE-PHASE MOTORS



### ODP – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	FL eff.	"C" Dim.	Voltage	Notes
1/4	3600	56	.2536OS3EA56	201	F1B	20	1.35	0.60	58.0	10.315	208-230/460V	
	1800	56	.2518OS3EA56	204	F1B	21	1.35	0.57	62.0	10.315	208-230/460V	
	1200	56	.2512OS3EA56	254	F1B	21	1.35	0.80	56.0	10.315	208-230/460V	
1/3	3600	56	.3336OS3EA56	208	F1B	21	1.35	0.80	59.0	10.315	208-230/460V	
	1800	56	.3318OS3EA56	221	F1B	22	1.35	0.70	65.0	10.315	208-230/460V	
	1200	56	.3312OS3EA56	292	F1B	26	1.35	1.00	60.0	10.315	208-230/460V	
1/2	3600	56	.5036OS3EA56	221	F1B	23	1.25	1.05	61.0	10.315	208-230/460V	
	1800	56	.5018OS3EA56	253	F1B	24	1.25	1.00	67.0	10.315	208-230/460V	
	1200	56	.5012OS3EB56	304	F1B	31	1.25	2.30	63.5	11.103	208-230/460V	
3/4	3600	56	.7536OS3EB56	259	F1B	24	1.25	1.35	66.0	11.103	208-230/460V	
	1800	56	.7518OS3EB56	282	F1B	26	1.25	1.40	69.0	11.103	208-230/460V	
	1200	56	.7512OS3ED56	332	F1B	37	1.15	1.50	66.5	12.284	208-230/460V	
1	3600	56	00136OS3EB56	300	F1B	26	1.25	1.65	69.0	11.103	208-230/460V	
	1800	56	00118OS3EB56	299	F1B	29	1.15	1.75	71.0	11.103	208-230/460V	
	1200	56	00112OS3EF56	394	F1B	42	1.15	1.80	70.1	13.465	208-230/460V	
1 1/2	3600	56	00156OS3ED56	320	F1B	31	1.15	2.37	71.2	12.284	208-230/460V	
	1800	56	00158OS3ED56	305	F1B	34	1.15	2.50	75.0	12.284	208-230/460V	
2	3600	56	00236OS3ED56	365	F1B	34	1.15	2.85	75.0	12.284	208-230/460V	
	1800	56H	00218OS3EF56	324	F1B	36	1.15	3.10	75.0	13.465	208-230/460V	
3	3600	56H	00336OS3EF56	405	F1B	39	1.15	4.05	77.0	13.465	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-50.



### TEFC – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Volts	Notes
1/4	3600	56	.2536ES3EB56	237	F1	31	1.15	0.47	65.4	11.496	208-230/460V	
	1800	56	.2518ES3EB56	249	F1	31	1.15	0.59	64.1	11.496	208-230/460V	
1/3	3600	56	.3336ES3EB56	249	F1	33	1.15	0.61	73.0	11.496	208-230/460V	
	1800	56	.3318ES3EB56	253	F1	33	1.15	0.58	72.0	11.496	208-230/460V	
1/2	3600	56	.5036ES3EB56	258	F1	36	1.15	0.81	77.0	11.496	208-230/460V	
	1800	56	.5018ES3EB56	287	F1	34	1.15	0.85	74.0	11.496	208-230/460V	
	1200	56	.5012ES3EB56	417	F1	36	1.15	1.27	71.0	11.496	208-230/460V	
3/4	3600	56	.7536ES3EB56	287	F1	40	1.15	1.09	79.0	11.496	208-230/460V	
	1800	56	.7518ES3EB56	311	F1	40	1.15	1.11	77.0	11.496	208-230/460V	
	1200	56	.7512ES3ED56	427	F1	40	1.15	1.60	75.2	12.677	208-230/460V	
1	3600	56	00136ES3EB56	338	F1	44	1.15	1.44	81.0	11.496	208-230/460V	
	1800	56	00118ES3ED56	321	F1	46	1.15	1.47	80.0	12.677	208-230/460V	
	1200	56	00112ES3EF56	432	F1	46	1.15	1.92	76.7	12.677	208-230/460V	
1 1/2	3600	56	00156ES3EB56	370	F1	48	1.15	1.97	82.5	11.496	208-230/460V	
	1800	56	00158ES3ED56	362	F1	52	1.15	2.11	81.0	12.677	208-230/460V	
2	3600	56	00236ES3ED56	414	F1	58	1.15	2.67	84.0	12.677	208-230/460V	
	1800	56H	00218ES3EF56	392	F1	61	1.15	2.84	82.0	13.858	208-230/460V	
3	3600	56H	00336ES3EF56	484	F1	67	1.15	3.80	84.5	13.858	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-51.