

FRACTIONAL HP – GENERAL PURPOSE MOTORS



ODP

THREE PHASE C-FACE

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

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
- 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





FRACTIONAL HP – GENERAL PURPOSE MOTORS

ODP – NEMA 56 FRAMES – THREE-PHASE MOTORS



C-FACE – 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	Voltage	Notes
1/4	3600	56C	.2536OS3EA56C	222	F1B	20	1.35	0.60	58.0	10.315	208-230/460V	
	1800	56C	.2518OS3EA56C	225	F1B	21	1.35	0.57	62.0	10.315	208-230/460V	
	1200	56C	.2512OS3EA56C	275	F1B	23	1.35	0.80	56.0	10.315	208-230/460V	
1/3	3600	56C	.3336OS3EA56C	231	F1B	21	1.35	0.80	59.0	10.315	208-230/460V	
	1800	56C	.3318OS3EA56C	242	F1B	22	1.35	0.70	65.0	10.315	208-230/460V	
	1200	56C	.3312OS3EA56C	315	F1B	26	1.35	1.00	60.0	10.315	208-230/460V	
1/2	3600	56C	.5036OS3EA56C	242	F1B	23	1.25	1.05	61.0	10.315	208-230/460V	
	1800	56C	.5018OS3EA56C	274	F1B	24	1.25	1.00	67.0	10.315	208-230/460V	
	1200	56C	.5012OS3EB56C	328	F1B	31	1.25	1.30	63.5	11.103	208-230/460V	
3/4	3600	56C	.7536OS3EB56C	283	F1B	24	1.25	1.35	66.0	11.103	208-230/460V	
	1800	56C	.7518OS3EB56C	303	F1B	26	1.25	1.40	69.0	11.103	208-230/460V	
	1200	56C	.7512OS3ED56C	354	F1B	37	1.15	1.50	66.5	12.284	208-230/460V	
1	3600	56C	00136OS3EB56C	321	F1B	26	1.25	1.65	69.0	11.103	208-230/460V	
	1800	56C	00118OS3EB56C	320	F1B	29	1.15	1.75	71.0	11.103	208-230/460V	
	1200	56C	00112OS3EF56C	416	F1B	42	1.15	1.80	70.1	13.465	208-230/460V	
1 1/2	3600	56C	00156OS3ED56C	344	F1B	31	1.15	2.37	71.2	12.284	208-230/460V	
	1800	56C	00158OS3ED56C	329	F1B	34	1.15	2.50	75.0	12.284	208-230/460V	
2	3600	56C	00236OS3ED56C	355	F1B	34	1.15	2.85	75.0	12.284	208-230/460V	
	1800	56HC	00218OS3EF56C	346	F1B	36	1.15	3.10	75.0	13.465	208-230/460V	
3	3600	56HC	00336OS3EF56C	379	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.



C-FACE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 460V	FL Eff. %	"C" Dimension	Voltage	Notes
1/3	3600	56C	.3336OS3EA56CFL	231	F1B	21	1.35	0.80	59.0	10.315	208-230/460V	
	1800	56C	.3318OS3EA56CFL	242	F1B	22	1.35	0.70	65.0	10.315	208-230/460V	
1/2	3600	56C	.5036OS3EA56CFL	242	F1B	23	1.25	1.05	61.0	10.315	208-230/460V	
	1800	56C	.5018OS3EA56CFL	274	F1B	24	1.25	1.00	67.0	10.315	208-230/460V	
	1200	56C	.5012OS3EB56CFL	328	F1B	29	1.25	1.30	63.5	11.103	208-230/460V	
3/4	3600	56C	.7536OS3EB56CFL	283	F1B	24	1.25	1.35	66.0	11.103	208-230/460V	
	1800	56C	.7518OS3EB56CFL	303	F1B	26	1.25	1.40	69.0	11.103	208-230/460V	
	1200	56C	.7512OS3EB56CFL	354	F1B	31	1.15	1.50	66.5	11.103	208-230/460V	
1	3600	56C	00136OS3EB56CFL	301	F1B	26	1.25	1.65	69.0	11.103	208-230/460V	
	1800	56C	00118OS3EB56CFL	320	F1B	29	1.15	1.75	71.0	11.103	208-230/460V	
1 1/2	3600	56C	00156OS3ED56CFL	344	F1B	31	1.15	2.37	71.2	12.284	208-230/460V	
	1800	56C	00158OS3ED56CFL	329	F1B	34	1.15	2.50	75.0	12.284	208-230/460V	
2	3600	56C	00236OS3ED56CFL	355	F1B	34	1.15	2.85	75.0	12.284	208-230/460V	
3	3600	56C	00336OS3EF56CFL	379	F1B	39	1.15	4.05	77.0	13.465	208-230/460V	

Note: These motors are fitted with a C-Face only for mounting. They are Round Body frames with no mounting feet.

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C-FACE – RIGID BASE

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1/4	3600	56C	.2536ES3EB56C	258	F1	31	1.15	0.47	65.4	11.496	208-230/460V	
	1800	56C	.2518ES3EB56C	270	F1	31	1.15	0.59	64.1	11.496	208-230/460V	
1/3	3600	56C	.3336ES3EB56C	270	F1	33	1.15	0.61	73.0	11.496	208-230/460V	
	1800	56C	.3318ES3EB56C	274	F1	33	1.15	0.58	72.0	11.496	208-230/460V	
1/2	3600	56C	.5036ES3EB56C	282	F1	36	1.15	0.81	77.0	11.496	208-230/460V	
	1800	56C	.5018ES3EB56C	311	F1	34	1.15	0.85	74.0	11.496	208-230/460V	
	1200	56C	.5012ES3EB56C	440	F1	36	1.15	1.27	71.0	11.496	208-230/460V	
3/4	3600	56C	.7536ES3EB56C	311	F1	40	1.15	1.09	79.0	11.496	208-230/460V	
	1800	56C	.7518ES3EB56C	332	F1	40	1.15	1.11	77.0	11.496	208-230/460V	
	1200	56C	.7512ES3ED56C	449	F1	40	1.15	1.60	75.2	11.496	208-230/460V	
1	3600	56C	00136ES3EB56C	361	F1	44	1.15	1.44	81.0	11.496	208-230/460V	
	1800	56C	00118ES3ED56C	345	F1	46	1.15	1.47	80.0	12.677	208-230/460V	
	1200	56C	00112ES3EF56C	454	F1	46	1.15	1.92	76.7	12.677	208-230/460V	
1 1/2	3600	56C	00156ES3EB56C	392	F1	48	1.15	1.97	82.5	11.496	208-230/460V	
	1800	56C	00158ES3ED56C	384	F1	52	1.15	2.11	81.0	12.677	208-230/460V	
2	3600	56C	00236ES3ED56C	437	F1	58	1.15	2.67	84.0	12.677	208-230/460V	
	1800	56HC	00218ES3EF56C	414	F1	61	1.15	2.84	82.0	13.858	208-230/460V	
3	3600	56HC	00336ES3EF56C	507	F1	67	1.15	3.80	84.5	13.858	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-4.
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C-FACE – FOOTLESS

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1/3	3600	56C	.3336ES3EB56CFL	270	F1	33	1.15	0.61	73.0	11.496	208-230/460V	
	1800	56C	.3318ES3EB56CFL	274	F1	33	1.15	0.58	72.0	11.496	208-230/460V	
1/2	3600	56C	.5036ES3EB56CFL	282	F1	36	1.15	0.81	77.0	11.496	208-230/460V	
	1800	56C	.5018ES3EB56CFL	311	F1	34	1.15	0.85	74.0	11.496	208-230/460V	
	1200	56C	.5012ES3EB56CFL	440	F1	36	1.15	1.27	71.0	11.496	208-230/460V	
3/4	3600	56C	.7536ES3EB56CFL	311	F1	40	1.15	1.09	79.0	11.496	208-230/460V	
	1800	56C	.7518ES3EB56CFL	332	F1	40	1.15	1.11	77.0	11.496	208-230/460V	
	1200	56C	.7512ES3ED56CFL	449	F1	40	1.15	1.60	75.2	12.677	208-230/460V	
1	3600	56C	00136ES3EB56CFL	361	F1	44	1.15	1.44	81.0	11.496	208-230/460V	
	1800	56C	00118ES3ED56CFL	344	F1	46	1.15	1.47	80.0	12.677	208-230/460V	
	1200	56C	00112ES3EF56CFL	454	F1	46	1.15	1.92	76.7	13.858	208-230/460V	
1 1/2	3600	56C	00156ES3EB56CFL	392	F1	48	1.15	1.97	82.5	11.496	208-230/460V	
	1800	56C	00158ES3ED56CFL	384	F1	52	1.15	2.11	81.0	12.677	208-230/460V	
2	3600	56C	00236ES3ED56CFL	437	F1	58	1.15	2.67	84.0	12.677	208-230/460V	
	1800	56C	00218ES3EF56CFL	414	F1	61	1.15	2.84	82.0	13.858	208-230/460V	
3	3600	56C	00336ES3EF56CFL	507	F1	67	1.15	3.80	84.5	13.858	208-230/460V	

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