

56C ROLLED STEEL MOTORS

Reliable, Long-Lasting and
Compact Motor Muscle
for Commercial and/or
Industrial Use

1/3-3HP 1PH & 3PH TEFC 60 Hz NEMA AC Footed & Footless Motors

- Inverter Duty Rated: 3:1CT & 5:1VT (3-Phase only)
- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor torque
- 3PH rated 380V 50Hz with lower HP output
- 1PH available with and without thermal protection and manual reset (TP)
- Rolled steel NEMA frame 56C
- Aluminum alloy cast C-Face with rigid base
- 56HC frame motors are double drilled
- Continuous duty
- Energy saving design
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year



CALL NOW



Find Your Motor

Elektrim Motors
2015 S. Mitchell Blvd.
Schaumburg, IL 60193
847-524-1074
www.elektrimmotors.com

BUILT TO PERFORM WHERE OTHERS FAIL

56C Frame Rolled Steel Motors

Performance Data and Mounting Dimensions



1-Phase With or Without Thermal Protection and Manual Reset

Footed Part Number	HP	RPM	Frame	Phase	Volt	HZ	Amps 230V	LRT %	BDT %	LRA %	EFF %	PF %	C DIM	lbs
38CF-1-33-36	1/3	3450	56C	1	115/230	60	2.4	300	180	700	57	82	10.95	23.2
38CF-1-33-18		1720	56C	1	115/230	60	3	280	180	700	60	59	10.95	23.2
38CF-1-50-36	1/2	3450	56C	1	115/230	60	3.1	280	180	700	63	83	10.95	24.3
38CF-1-50-18		1720	56C	1	115/230	60	4	250	180	700	62	65	10.95	24.3
38CF-1-75-36	3/4	3450	56C	1	115/230	60	4.5	280	180	700	64	83	10.95	26.5
38CF-1-75-18		1720	56C	1	115/230	60	4.6	250	180	700	73	71	11.42	31
38CF-1-1-36	1	3450	56C	1	115/230	60	6.2	250	180	700	64	83	11.42	32
38CF-1-1-18		1720	56C	1	115/230	60	6.1	250	180	700	73	73	11.90	36.4
38CF-1-1.5-36	1.5	3450	56C	1	115/230	60	8.7	250	180	700	66	84	11.90	39.7
38CF-1-1.5-18		1720	56C	1	115/230	60	8.4	250	180	700	74	77	12.90	40.8
38CF-1-2-36	2	3450	56HC	1	115/230	60	10.8	250	180	700	72	84	12.90	43
38CF-1-2-18		1720	56HC	1	115/230	60	9	170	170	600	76	95	12.90	43

Footless part number prefix = 38CR.

Thermal Protection part number suffix = TP. Example: 38CF-1-1-36TP

3-Phase

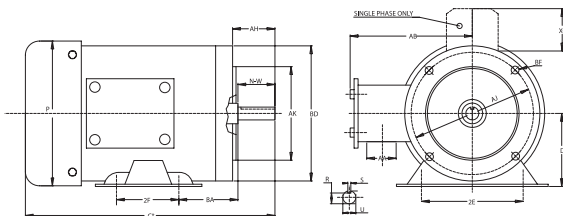
Footed Part Number	NEMA [†] PREMIUM	HP	RPM	Frame	Phase	Volt	HZ	Amps 460V	LRT %	BDT %	LRA %	EFF %	PF %	C DIM	lbs
38CF-3-33-36	-	1/3	3400	56C	3	230/460	60	0.65	400	420	700	59	83	10.95	21
38CF-3-33-18			1700	56C	3	230/460	60	0.5	280	320	700	79	81	10.95	20.5
38CF-3-50-36	-	1/2	3400	56C	3	230/460	60	0.88	400	400	700	62	85	10.95	22.1
38CF-3-50-18			1700	56C	3	230/460	60	0.9	260	280	700	71	75	10.95	21.2
38CF-3-75-36	-	3/4	3400	56C	3	230/460	60	1.2	380	390	700	69	84	10.95	23.4
38CF-3-75-18			1700	56C	3	230/460	60	1.3	270	320	700	72	76	10.95	22.7
38CF-3-1-36PA	P	1	3520	56HC	3	230/460	60	1.8	280	390	620	77	75.3	12.8	27
38CF-3-1-18PA			1760	56HC	3	230/460	60	2	330	350	900	84	80.11	12.8	29
38CF-3-1.5-36PA	P	1.5	3520	56HC	3	230/460	60	2.5	280	320	890	85.5	83.27	12.8	32
38CF-3-1.5-18PA			1765	56HC	3	230/460	60	3.8	320	300	860	86.5	88.78	12.8	43
38CF-3-2-36PA	P	2	3520	56HC	3	230/460	60	1.5	350	450	890	85.5	63.94	12.8	34
38CF-3-2-18PA			1760	56HC	3	230/460	60	2.2	380	400	970	86.5	62	12.8	37
38CF-3-3-36PA	P	3	3480	56HC	3	230/460	60	3	290	350	730	86.5	70.33	12.8	41

Footless part number prefix = 38CR.

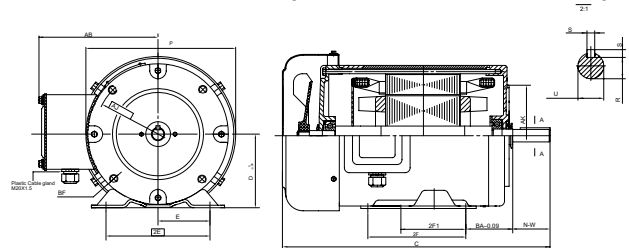
"PA" type = [†] P = Meets NEMA Premium® efficiency requirements

230/460V suitable at 208V

STANDARD EFFICIENCY (38CF/38CR without "PA" suffix)



PREMIUM EFFICIENCY (38CF/38CR with "PA" suffix)



Efficiency	PH	D	2E	2F	2F1	BA	N-W	R	S	U	AH	AJ	AK	BF	AA	AB	BD	P	X0	E	C
Standard	1	3.5	4.88	3	-	2.75	1-7/8	33/64	3/16	5/8	2 1/16	5-7/8	4 1/2	3/8-16	0.87	5 5/16	6 19/32	7 1/10	1.72	-	*
Standard	3	3.5	4.88	3	-	2.75	1-7/8	33/64	3/16	5/8	2 1/16	5-7/8	4 1/2	3/8-16	0.87	5 5/16	6 19/32	7 1/10	-	-	*
Premium (PA)	3	3.5	4.8	5	3	2.75	1.88	0.517	0.188	0.625	-	5.875	4.5	3/8-16UNC-2B	-	5.5	-	7	-	2.44	12.8

* C Dimension included in performance data.

2 HP 1-Phase motor has 2 capacitors.

Footless 56C motors have the same dimensions, but no feet.

BUILT TO PERFORM WHERE OTHERS FAIL



Find Your Motor

Elektrim Motors
 2015 S. Mitchell Blvd.
 Schaumburg, IL 60193
 847-524-1074
www.elektrimmotors.com