

Three Phase Roll Steel Motors

Foot Mount TEFC

Applications:

General purpose use on pumps, fans, blowers, compressors, conveyors, and other industrial machinery installed in damp, dusty, or dirty environments. Additionally, cast iron frame motors may be suitable for the process industries.

Features:

- 1/3 HP to 10 HP
- 3600, 1800 RPM
- Exceed Mg1 Part 31
- Premium Efficient Design
- Inverter Duty Rate 15:1 CT, 30:1 VT
- 208-230/460 V 60 HZ,
190/380 v 50 HZ
- 1.15 and up Service Factor @ 60 Hz
- Rolled Steel Frame Construction
- Aluminum Endbells: 48-145 Frame
- Cast Iron Endbells 182 & Up Frame
- C-Flange With Welded Feet as Standard
- Vacuum Pressure Impregnation for all Windings
- Class F Insulation System, Class B Rise at Full Load
- TEFC Enclosure Ip55 Protection
- Sealed Bearings
- Shaft Slinger
- Suitable for use with
Variable Frequency Drives
- 40°C Ambient Continuous Duty



NEMA

Standard Full Line Motors



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HP	RPM	Voltage	Frame	Catalog Number	Full Eff. 100%	Full Amps 230/460 V	Ship Wt. (lbs)
1/4	3600	230/460	48	RT142T01	68	1.11/0.55	17
	1800	230/460	48	RT144T01	60.2	1.25/0.63	19
1/3	3600	230/460	48	RT132T01	72	1.15/0.57	19
	3600	230/460	56	RT132T02	72	1.16/0.58	22
	1800	230/460	48	RT134T01	73.3	1.2/0.6	18
	1800	230/460	56	RT134T02	73.3	1.2/0.6	21
1/2	3600	230/460	48	RT122T01	74	1.52/0.87	20
	3600	230/460	56	RT122T02	74	1.52/0.87	23
	1800	230/460	48	RT124T01	70	1.6/0.8	22
	1800	230/460	56	RT124T02	75	1.6/0.8	25
3/4	3600	230/460	56	RT342T01	75	2.1/1.05	26
	1800	230/460	56	RT344T01	80	2.2/1.1	28
1	3600	230/460	143T	RTP12T01	81.3	2.91/1.46	27
	1800	230/460	56	RTP14T01	85.5	2.94/1.47	34
1 1/2	3600	230/460	143T	RTP322T01	84	3.91/1.96	32
	1800	230/460	143T	RTP324T01	86.5	4.20/2.10	40
2	3600	230/460	145T	RTP22T01	85.5	5.24/2.62	37
	1800	230/460	56	RTP24T01	86.5	5.58/2.78	35
	1800	230/460	145T	RTP24T02	86.5	5.58/2.78	44
3	3600	230/460	182T	RTP32T01	86.5	7.25/3.63	79
	1800	230/460	182T	RTP34T01	89.5	7.52/3.76	83
5	3600	230/460	184T	RTP52T01	88.5	12.1/6.04	88
	1800	230/460	184T	RTP54T01	89.5	12.7/6.34	92
7 1/2	3600	230/460	213T	RTP72T01	89.5	17.5/8.76	118
	1800	230/460	213T	RTP74T01	91.7	18.8/9.4	128
10	3600	230/460	215T	RTP102T01	90.2	23.7/11.9	123
	1800	230/460	215T	RTP104T01	91.7	25.3/12.7	136

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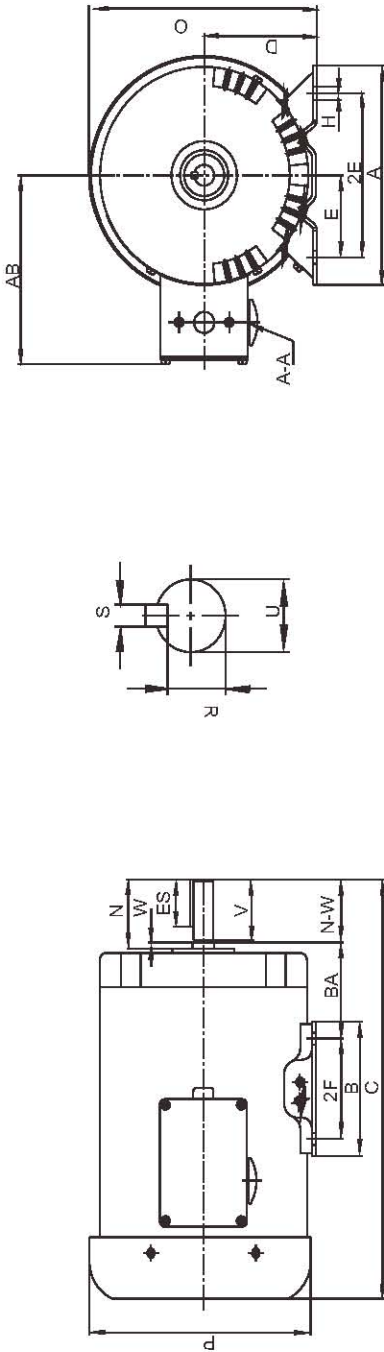
C Face TEFC

HP	RPM	Voltage	Frame	CATALOG NUMBER		Full Eff. 100%	Full Amps 230/ 460 V	Ship Wt. (lbs)
				FOOTED	FOOTLESS			
0.25	3600	230/460	48C	RT142T11	RT142T21	68.0	1.11/0.55	17
	1800	230/460	48C	RT144T11	RT144T21	60.2	1.25/0.63	19
0.33	3600	230/460	48C	RT132T11	RT132T21	72.0	1.15/0.57	21
		230/460	56C	RT132T12	RT132T22	72.0	1.16/0.58	23
	1800	230/460	48C	RT134T11	RT134T21	67	1.2/0.6	23
		230/460	56C	RT134T12	RT134T22	67	1.2/0.6	22
0.5	3600	230/460	48C	RT122T11	RT122T21	74	1.52/0.87	23
		230/460	56C	RT122T12	RT122T22	74	1.52/0.87	23
	1800	230/460	48C	RT124T11	RT124T21	70	1.6/0.8	26
		230/460	56C	RT124T12	RT124T22	70	1.6/0.8	23
0.75	3600	230/460	56C	RT342T11	RT342T21	76	2.1/1.05	28
	1800	230/460	56C	RT344T11	RT344T21	74	2.2/1.1	28
1	3600	230/460	143TC	RTP12T11	RTP12T21	77	2.91/1.46	28
	1800	230/460	56C	RTP14T11	RTP14T21	85.5	2.94/1.4	30
1.5	3600	230/460	143TC	RTP322T11	RTP322T21	84.0	3.91/1.96	41
	1800	230/460	143TC	RTP324T11	RTP324T21	86.5	4.2/2.10	41
2	3600	230/460	145TC	RTP22T11	RTP22T21	85.5	5.24/2.62	53
	1800	230/460	56C	RTP24T11	RTP24T21	86.5	5.58/2.78	48
		230/460	145TC	RTP24T12	RTP24T22	86.5	5.58/2.78	83
3	3600	230/460	145TC	RTP32T11	RTP32T21	86.5	7.25/3.63	83
	1800	230/460	182TC	RTP34T11	RTP34T21	89.5	7.52/3.56	76
5	3600	230/460	184TC	RTP52T11	RTP52T21	88.5	12.1/6.04	98
	1800	230/460	184TC	RTP54T11	RTP54T21	89.5	12.7/6.34	92
7.5	3600	230/460	213TC	RTP72T11	RTP72T21	89.5	17.5/8.76	87
	1800	230/460	213TC	RTP74T11	RTP74T21	91.7	18.8/9.4	128
10	3600	230/460	215TC	RTP102T11	RTP102T21	90.2	25.7/11.9	123
	1800	230/460	215TC	RTP104T11	RTP104T21	91.7	25.3/12.7	136

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Mounting and overall dimensions **48/215T**



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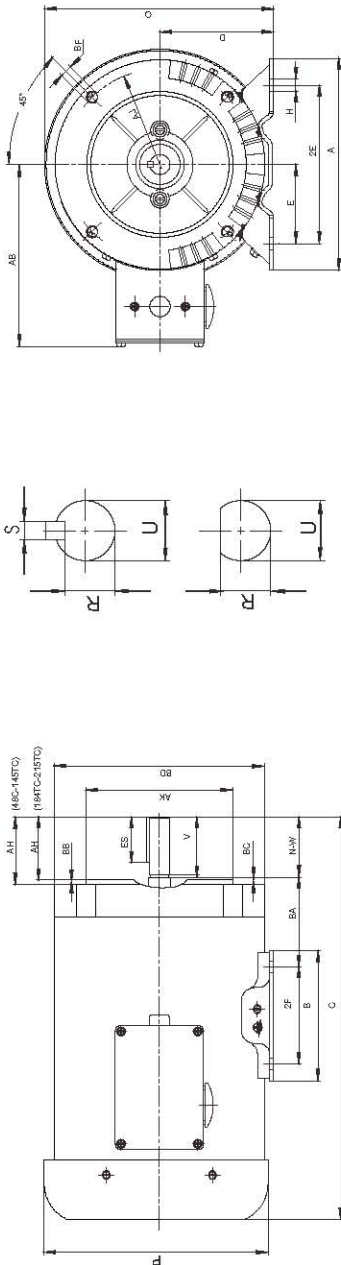
FRAME	AB	BA	MAXA	MAXB	C	D	E	2F	N-W	O	P	R	S	U	MINES	MINAA	B F	MAXBB	MAXBD	BC	AH	AJ	AK
48	5.3	2.5	6	3.8	10	3	2.12	2.75	1.5	5.83	5.66	0.453	-	0.5		¼	¾-20	0.16	5.625	0.19	1.69	3.75	3
56	5.6	2.75	6.5	4.2	12.7	3.5	2.44	3	1.88	6.7	7.08	0.517	0.188	0.625	1.41	¾	3/8-16	0.16	6.5	0.19	2.06	5.875	4.5
143T	5.6	2.75	7	6.18	14.6	3.5	2.75	4	2.25	6.7	7.08	0.771	0.188	0.875	1.41	¾	¾-13	0.16	6.5	0.12	2.12	5.875	4.5
145T	5.6	2.75	7	6.18	14.6	3.5	2.75	5	2.25	6.7	7.08	0.771	0.188	0.875	1.41	¾	¾-13	0.16	6.5	0.12	2.12	5.875	4.5
182T	7.2	3.5	8.5	6.5	18.8	4.5	3.75	4.5	2.75	9.25	9.65	0.986	0.25	1.125	1.78	¾	¾-13	0.25	9	0.12	2.62	7.25	8.5
184T	7.2	3.5	8.5	6.5	18.8	4.5	3.75	5.5	2.75	9.25	9.65	0.986	0.25	1.125	1.78	¾	¾-13	0.25	9	0.12	2.62	7.25	8.5
213T	7.5	4.25	9.5	8	20.5	5.25	4.25	5.5	3.38	9.84	10	1.201	0.312	1.375	2.41	1	¾-13	0.25	9	0.25	3.12	7.25	8.5
215T	7.5	4.25	9.5	8	20.5	5.25	4.25	7	3.38	9.84	10	1.201	0.312	1.375	2.41	1	¾-13	0.25	9	0.25	3.12	7.25	8.5

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C Face TEFC

Mounting and overall dimensions

TEFC 48C-215TC



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FRAME	AB	BA	MAX A	MAX B	MAX BB	MAX BD	C	D	E	2F	H	N-W	O	P	R	S	U	MIN ES	MIN AA	AH	BF	BC	AJ	AK	MIN V
48C	5.3	2.5	6	3.8	0.16	5.625	10	3.0	2.12	2.75	0.34	1.5	5.83	5.66	0.453		0.5		1/2	1.69	1/4-20	0.19	3.75	3	1.125
56C	5.6	2.75	6.5	4.2	0.16	6.5	12.7	3.5	2.44	3	0.34	1.88	6.7	7.08	0.517	0.188	0.625	1.41	1/2	2.06	3/8-16	0.19	5.875	4.5	1.5
143TC	5.6	2.75	7	6.18	0.16	6.5	14.6	3.5	2.75	4	0.34	2.25	6.7	7.08	0.771	0.188	0.875	1.41	%	2.12	1/2-13	0.12	5.875	4.5	2.5
145TC	5.6	2.75	7	6.18	0.16	6.5	14.6	3.5	2.75	5	0.34	2.25	6.7	7.08	0.771	0.188	0.875	1.41	%	2.12	1/2-13	0.12	5.875	4.5	2.5
182TC	7.2	3.5	8.5	6.5	0.25	9	18.5	4.5	3.75	4.5	0.41	2.75	9.25	9.65	0.986	0.25	1.125	1.78	%	2.62	1/2-13	0.12	7.25	8.5	2.5
184TC	7.2	3.5	8.5	6.5	0.25	9	18.5	4.5	3.75	5.5	0.41	2.75	9.25	9.65	0.986	0.25	1.125	1.78	%	2.62	1/2-13	0.12	7.25	8.5	2.5
213TC	7.5	4.25	9.5	8	0.25	9	20.5	5.25	4.25	5.5	0.41	3.38	9.84	10.0	1.201	0.312	1.375	2.41	1	3.12	1/2-13	0.25	7.25	8.5	3.12
215TC	7.5	4.25	9.5	8	0.25	9	20.5	5.25	4.25	7.0	0.41	3.38	9.84	10.0	1.201	0.312	1.375	2.41	1	3.12	1/2-13	0.25	7.25	8.5	3.12