

PREMIUM EFFICIENCY INDUCTION MOTORS



Premium Efficiency Induction Motors

EIM Induction Motors, are ideal for commercial and industrial applications and are capable of providing constant torque at variable speed ranges. Ideal for vacuum pump applications.

Features:

- Inverter duty motor
- C-Face footed
- Side mounted terminal box
- Wide range of voltages available
- Continuous duty at 40° C
- CE mark

Parts and Services for Superior Performance

Technical Data

Model #	HP	RPM	Volts	Enclosure	Nema Frame	F.L. Amps	Weight (lb)
EMFC0346-4	3	1800	230/460	TEFC	182TC	7.6/3.8	103.6
EMFC0357-4	3	1800	575	TEFC	182TC	3.3	103.6
EMFC0546-4	5	1800	230/460	TEFC	184TC	13.2/6.6	117
EMFC0557-4	5	1800	575	TEFC	184TC	5.3	117
EMFC07546-4	7.5	1800	230/460	TEFC	213TC	17.4/8.7	164
EMFC07557-4	7.5	1800	575	TEFC	213TC	7.3	164
EMFC1046-4	10	1800	230/460	TEFC	215TC	23.2/11.6	196.2
EMFC1057-4	10	1800	575	TEFC	215TC	10	196.2

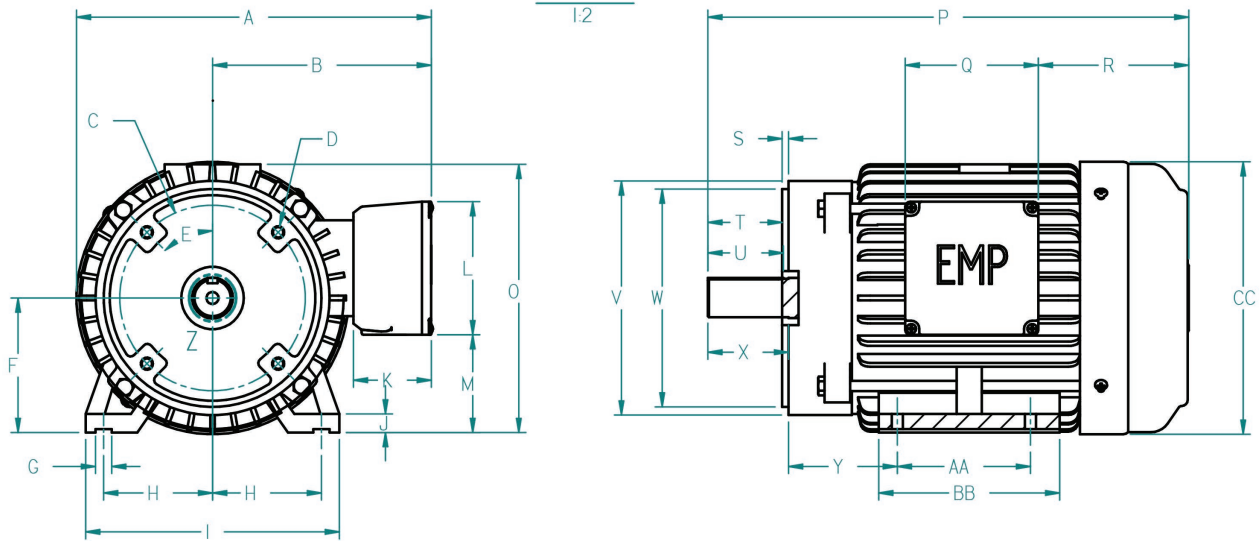
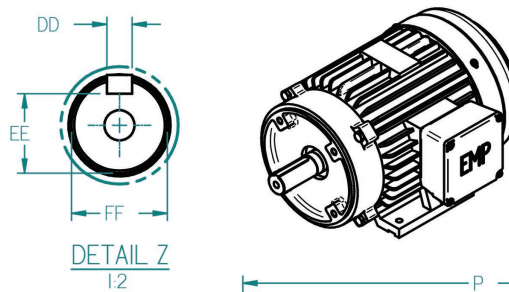
Electrical and Mechanical Parts

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EIM Series



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EMFC0346-4 & EMFC0357-4

Units	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
mm	419.1	142.24	93.98	226.06	6.35 (-1.52)	66.548	45.21 min	69.85	Ø 215.9 (-0.076)	228.6	302.26	180.34	38.1	55.88	101.6
inches	16.5	5.6	3.7	8.9	0.25 (-0.06)	2.62	1.78 min	2.75	Ø 8.500 (-0.003)	9	11.9	7.1	1.5	2.2	4

Units	P	Q	R	S	T	U	V	W
mm	Ø 184.15 (± 0.64)	13.97	45°	95.25 (± 0.76)	8X Ø 10.41 (+ 1.27)	114.3 (-1.5)		6.35 (+0.05)
inches	Ø 7.250 (± 0.025)	0.55	45°	3.75 (± 0.03)	8X Ø 0.41 (+ 0.05)	4.50 (-0.06)	4X 1/2-13 UNC ± 0.75	0.250 (+0.002)

Units	X	Y	AA	BB	CC	DD
mm	25.04 (-0.38)	Ø 28.575 (-0.013)	114.3 (± 0.76)	88.9 (± 2.3)	175.26	226.06
inches	0.986 (-0.015)	Ø 1.125 (-0.0005)	4.5 (± 0.03)	3.5 (± 0.09)	6.9	8.9

EMFC0546-4 & EMFC0557-4

Units	A	B	C	D	E	F	G	H	I	J	K	L
mm	419.1	142.24	93.98	Ø 226.1	114.3 (± 0.8)	88.9 (± 2.3)	139.7 (± 0.8)	175.26	66.548	47.5 min	69.85	Ø 215.9 (-0.076)
inches	16.5	5.6	3.7	Ø 8.9	4.5 (± 0.03)	3.5 (± 0.09)	5.5 (± 0.03)	6.9	2.62	1.87 min	2.75	Ø 8.500 (-0.003)

Units	M	N	O	P	Q	R	S	T	U	V	W
mm	Ø 228.6	302.26	180.34		101.6	76.2	95.25 (± 0.76)	226.06	8X Ø 10.41 (+ 1.27)	114.3 (-1.5)	25.04 (-0.38)
inches	Ø 9	11.9	7.1	4X 1/2-13 UNC ± 0.75	4	3	3.75 (± 0.03)	8.9	8X Ø 0.41 (+ 0.05)	4.50 (-0.06)	0.986 (-0.015)

Units	X	Y	AA
mm	Ø 28.575 (-0.013)	6.35 (+0.05)	Ø 184.15 (± 0.64)
inches	Ø 1.125 (-0.0005)	0.250 (+0.002)	Ø 7.250 (± 0.025)

EMFC07546-4 & EMFC07557-4

Units	A	B	C	D	E	F	G	H	I	J	K	L
mm	482.6	147.32	137.16	Ø 259.1	Ø 269.2	139.7 (± 0.8)	108 (± 2.3)	175.26	6.35 (-1.52)	79.248	61.2 min	85.852
inches	19	5.8	5.4	Ø 10.2	Ø 10.6	5.5 (± 0.03)	4.25 (± 0.09)	6.9	0.25 (-0.06)	3.12	2.41 min	3.38

Units	M	N	O	P	Q	R	S	T	U	V
mm	Ø 215.9 (-0.076)	Ø 228.6	355.6	220.98	Ø 184.15 (± 0.64)	137.16	66.04	17.78	4X Ø 10.41 (+ 1.27)	107.95 (± 0.76)
inches	Ø 8.500 (-0.003)	Ø 9	14	8.7	Ø 7.250 (± 0.025)	5.4	2.6	0.7	4X Ø 0.41 (+ 0.05)	4.25 (± 0.03)

Units	W	X	Y	AA	BB	CC	DD
mm	251.46	133.35 (-1.52)		45°	7.925	30.51 (-0.38)	Ø 34.925 (-0.013)
inches	9.9	5.25 (-0.06)	4X 1/2-13 UNC ± 0.75	45°	0.312 (+0.002)	1.201 (-0.015)	Ø 1.375 (-0.0005)

EMFC1046-4 & EMFC1057-4

Units	A	B	C	D	E	F	G	H	I	J	K	L
mm	355.6	220.98	Ø 184.15 (± 0.64)		45°	133.35 (-1.52)	8X Ø 10.4 (+1.3)	107.95 (± 0.76)	251.46	17.78	78.74	137.16
inches	14	8.7	Ø 7.250 (± 0.025)		45°	5.25 (-0.06)	8X Ø 0.41 (+0.05)	4.25 (± 0.03)	9.9	0.7	3.1	5.4

Units	M	N	O	P	Q	R	S	T	U	V	W	X
mm	66.04	45.72	269.24	520.7	137.16	165.1	6.35 (-1.52)	79.248	61.2 min	Ø 228.6	Ø 215.9 (-0.076)	85.852
inches	2.6	1.8	10.6	20.5	5.4	6.5	0.25 (-0.06)	3.12	2.41 min	Ø 9	Ø 8.5 (-0.003)	3.38

Units	Y	AA	BB	CC	DD	EE	FF
mm	108 (± 2.3)	139.7 (± 0.76)	177.8	259.08	7.925 (+0.051)	30.51 (-0.38)	Ø 34.925 (-0.013)
inches	4.25 (± 0.09)	5.5 (± 0.03)	7	10.2	0.312 (+0.002)	1.201 (-0.015)	Ø 1.375 (-0.0005)