



ELECTRIC MOTORS, GEARMOTORS AND DRIVES

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Product Features

List Price : \$ 525

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Catalog No 102917.00 **Model** C4T17FK10A
Product type AC MOTOR **Stock** Stock
Description ..1/2HP..1725RPM.S56C.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.C4T17FK10A.....NOT.....

Information shown is for current motor's design

[View Outline](#) | [View Connection](#)

Engineering Data

Volts 208-230	Volts 460	Volts
F.L. Amps 1.9-2	F.L. Amps 1	F.L. Amps
S. F Amps 2.1-2.2	S. F Amps 1.1	S. F Amps
RPM 1800	Hertz 60	
HP 1/2	Duty CONTINUOUS	TYPE TF
KW 0.37		
Frame S56C	Serv. Factor 1.15	Phase 3
Max Amb 40	Design B	Code L
Insul Class B	Protection NOT	Therm.Prot.
Eff 100% 73	Eff 75%	PF 62
UL Y-(LEESON UL REC)	CSA Yes	Bearing OPE 6203
CC Number NONE	CE No	Bearing PE 6203
Load Type	Inverter Type	Speed Range NONE
Motor Wt. 20 LB	Enclosure TEFC	Lubrication VERIFY
Nameplate A-92005-4	Mounting RIGID	Rotation REV
Assembly LO102917	Shaft Dia. 5/8 IN	Ext. Diag. 005010.01
Cust Part No	Outline 031636-550	Ext. Diag2
Packaging B		Winding TE48415
Carton Label Leeson Gen Purpose		GROUP: 3
Iris	Paint BLUE - LEESON (ENAMEL)	Test Card
Form Factor	RMS Amps	Const Torque Speed Range
Torque	Peak	
AB Code	Peak@DegC	
Resistance		
Connection		

Rework Status

Rework TYPE

Hazardous Loc **NONE**

Brake Motors

Explosion Proof

Temp Op Code

FORCE

Class

GROUP:

VDC

Class

GROUP:

ADC

Brake Coil OHMs @25 C

Performance

Torque UOM	OZ-FT	Inertia (WK ²)	.045 LB-FT ²	
Torque	24(Full Load)	100(Break Down)	91.3(Pull Up)	95.9(Locked Rotor)
CURRENT (amps)	2(Full Load)	0(Break Down)	0(Pull Up)	11.9(Locked Rotor)
Efficiency (%)	0(Full Load)	63.8(75% Load)	55.5(50% Load)	38.9(25% Load)
PowerFactor	(Full Load)	56.2(75% Load)	46(50% Load)	34.4(25% Load)

Load Curve Data @60 Hz, 460 Volts, 1/2 Horsepower

Load	Amps	KW	RPM	Torque	EFF	PF	Rise By Resis	Frame Rise
0.0	1.8	0.142	1800	0.0	0.0	19.8	0.0	-
0.25	1.78	0.244	1780	6.0	38.9	34.4	0.0	-
0.5	1.85	0.339	1766	12.0	55.5	46.0	0.0	-
0.75	1.96	0.439	1752	18.0	63.8	56.2	0.0	-
1.0	2.1	0.538	1736	24.0	68.8	64.3	53.0	26.0
1.25	2.29	0.643	1719	30.0	71.2	70.5	0.0	-
1.5	2.51	0.753	1700	36.0	72.2	75.3	0.0	-

SOURCE: CALCULATED GROUP: 3