

Product Features

Catalog #: 116744.00	Model: C6T17FC210 C
Product type: AC MOTOR	Stock: Stock
Description: ..2HP..1745RPM.56.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.25SF.C FACE.C6T17FC210C.....WATTSAYER.AUTOMATIC.....	

Information shown is for current motor's design

Engineering Data

Volts 208-230	Volts 460	Volts 190/380
F.L. Amps 6-5.8	F.L. Amps 2.9	F.L. Amps 6.8/3.4
S. F Amps 7.3-7	S. F Amps 3.5	S. F Amps 8/4
RPM 1800	Hertz 60/50	
HP 2	Duty CONTINUOUS	TYPE TF
KW 1.49		
Frame 56C	Serv. Factor 1.25	Phase 3
Max Amb 40	Design B	Code L
Insul Class F	Protection AUTOMATIC	Therm.Prot. 9700K46
Eff 100% 86.5	Eff 75%	PF 75.6
UL Y-(LEESON UL REC)	CSA Yes	Bearing OPE 6203
CC Number EXEMPT	CE No	Bearing PE 6203
Load Type	Inverter Type	Speed Range NONE
Motor Wt. 45 LB	Enclosure TEFC	Lubrication POLYREX EM
Nameplate 993500	Mounting ROUND	Rotation REV
Assembly	Shaft Dia. 5/8 IN	Ext. Diag. 005010.20
Cust Part No	Outline 028776-800	Ext. Diag2
Packaging B	Outline Dash No	Winding T634340
Carton Label Leeson Wattsaver		GROUP: 3
Iris	Paint 305056.01	Test Card 01
Form Factor	RMS Amps	Const Torque Speed Range
Torque	Peak	
AB Code	Peak@DegC	
Resistance		
Connection		
Rework Status	Rework TYPE	
Explosion Proof	Temp Op Code	Brake Motors
Class	GROUP:	FORCE
Class	GROUP:	VDC
		ADC
		Brake Coil OHMs @25 C

Performance

Torque UOM	LB-FT	Inertia (WK²)	.16 LB-FT ²	
Torque	6(Full Load)	28.8(Break Down)	24.6(Pull Up)	24.6(Locked Rotor)
CURRENT (amps)	2(Full Load)	19.17(Break Down)	25.37(Pull Up)	26.58(Locked Rotor)
Efficiency (%)	0(Full Load)	85.7(75% Load)	83.5(50% Load)	74.5(25% Load)
PowerFactor	72.1(Full Load)	64(75% Load)	51.9(50% Load)	33.4(25% Load)

Load Curve Data @60/50 Hz, 460 Volts, 2 Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	1.7	0.096	1798	0.0	0.0	7.0	0.0	-
0.25	1.92	0.511	1787	1.5	74.5	33.4	0.0	-
0.5	2.19	0.906	1774	3.0	83.5	51.9	0.0	-
0.75	2.58	1.316	1763	4.5	85.7	64.0	0.0	-
1.0	3.01	1.726	1751	6.0	86.5	72.0	53.0	-
1.25	3.5	2.156	1732	7.5	85.6	77.3	85.0	-
1.5	4.05	2.592	1717	9.0	84.7	80.3	0.0	-

SOURCE CALCULATED GROUP 3