



ELECTRIC MOTORS, GEARMOTORS AND DRIVES

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Product Features

List Price : \$ 770

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Catalog No G131491.00

Model C182T17FC35AA

Product type AC MOTOR

Stock Stock

Description ..3HP..1760RPM.182TC.TEFC.208-230/460V.3PH.60HZ.CONTINUOUS.40C.1.15 S.F..C
FACE.C182T17FC35A.....

Information shown is for current motor's design

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

Engineering Data

Volts	208-230	Volts	460	Volts	190/380
F.L. Amps	8-8.6	F.L. Amps	4.3	F.L. Amps	7.8/3.9
S. F Amps	11.2-9.6	S. F Amps		S. F Amps	8.4/4.2

RPM	1800	Hertz	60/50	TYPE	TF
HP	3	Duty	CONTINUOUS	Phase	3
KW	2.24	Serv. Factor	1.15	Code	K
Frame	182TC	Design	B	Therm.Prot.	
Max Amb	40	Protection	NOT	PF	74
Insul Class	F	Eff 75%		Bearing OPE	6205
Eff 100%	87.5	CSA	Yes	Bearing PE	6206
UL	Y-(LEESON UL REC)	CE	Yes	Speed Range	NONE
CC Number	EXEMPT	Inverter Type			
Load Type					

Motor Wt.	70 LB	Enclosure	TEFC	Lubrication	POLYREX EM
Nameplate	081284	Mounting	ROUND	Rotation	REV
Assembly	180-009	Shaft Dia.	1 1/8 IN	Ext. Diag.	005010-01
Cust Part No		Outline	035518-850	Ext. Diag2	
Packaging	B	Outline Dash No		Winding	T84176
Carton Label	Leeson Gen Purpose			GROUP:	3
Iris		Paint	STANDARD	Test Card	01

Form Factor		RMS Amps		Const Torque Speed Range	
Torque		Peak			
AB Code		Peak@DegC			
Resistance					
Connection					

Rework Status		Rework TYPE	
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Hazardous Loc	NONE	Brake Motors	
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Explosion Proof	Temp Op Code	FORCE
Class	GROUP:	VDC
Class	GROUP:	ADC
		Brake Coil OHMs @25 C

Performance

Torque UOM	LB-FT	Inertia (WK²)	.38 LB-FT²	
Torque	8.9(Full Load)	0(No Load)	18(Pull Up)	19.7(Locked Rotor)
CURRENT (amps)	4.2(Full Load)	2.2(No Load)	30(Pull Up)	33.3(Locked Rotor)
Efficiency (%)	0(Full Load)	87(75% Load)	84.4(50% Load)	75.9(25% Load)
PowerFactor	76.4(Full Load)	69.4(75% Load)	57.1(50% Load)	37.3(25% Load)

Load Curve Data @60/50 Hz, 460 Volts, 3 Horsepower

Load	Amps	KW	RPM	Torque	EFF	PF	Rise By Resis	Frame Rise
0.0	2.2	0.15	1800	0.6	0.0	8.5	0.0	-
0.25	2.5	0.75	1790	2.2	75.9	37.3	0.0	-
0.5	2.9	1.32	1780	4.4	84.4	57.1	0.0	-
0.75	3.5	1.94	1770	6.7	87.0	69.4	0.0	-
1.0	4.2	2.55	1765	8.9	87.5	76.4	45.0	-
1.15	4.6	2.94	1760	10.3	87.5	79.1	55.0	-
1.25	5.0	3.2	1750	11.2	87.4	81.0	0.0	-
1.5	5.9	3.9	1740	13.6	86.4	83.0	0.0	-

SOURCE: CALCULATED GROUP: 3