PRODUCT INFORMATION PACKET

Model No: 182TTFW4320 Catalog No: C1381 Other Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 182TC Frame, TEFC



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marathon®

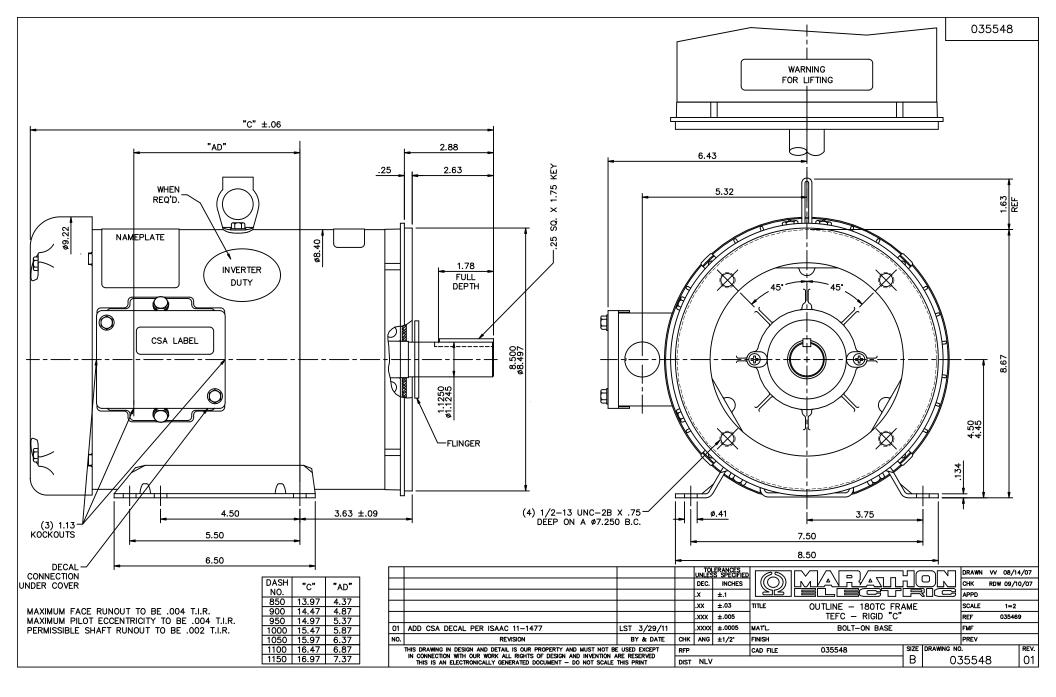
Nameplate Specifications

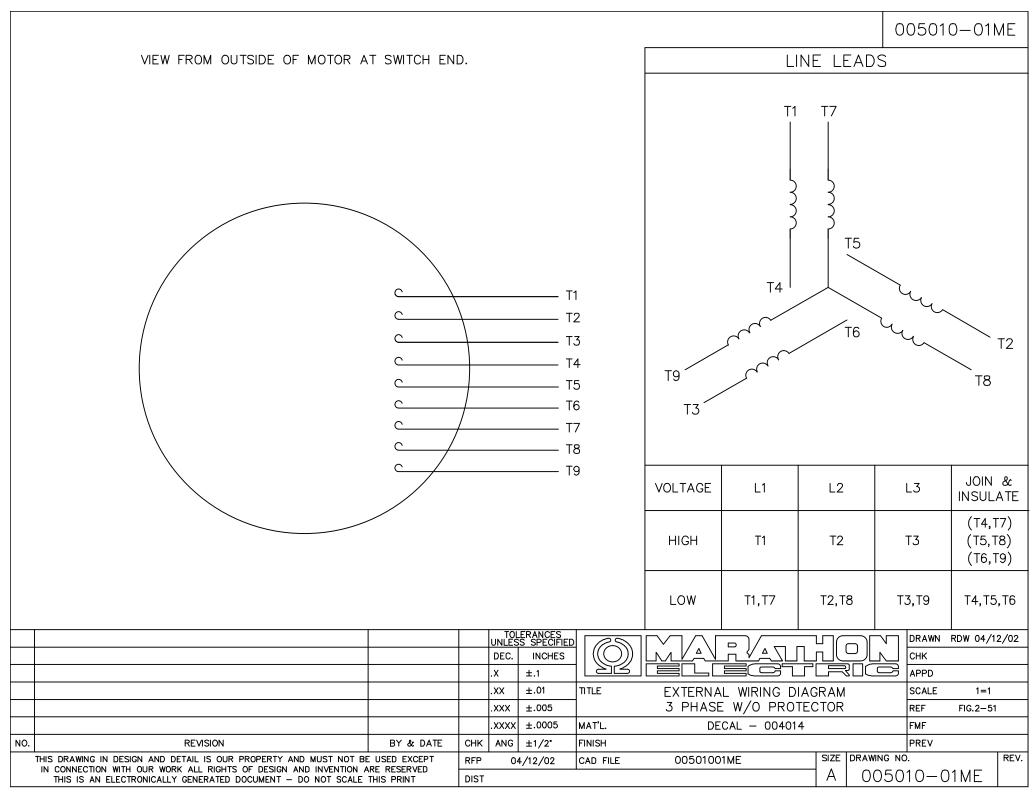
3	Output HP	3 & 2 Hp
2.2 & 1.5 kW	Voltage	208-230/460 & 190/380 V
3510 & 2940 rpm	Service Factor	1.15 & 1.15
182TC	Enclosure	Totally Enclosed Fan Cooled
No Protection	Efficiency	85.5 & 85.5 %
40 °C	Frequency	60 & 50 Hz
8.2-7.4/3.7 & 6.2/3.1 A	Power Factor	88
Continuous	Insulation Class	F
В	KVA Code	к
6206	Opp Drive End Bearing Size	6205
Recognized	CSA	Y
Y	IP Code	43
1		
	2.2 & 1.5 kW 3510 & 2940 rpm 182TC No Protection 40 °C 8.2-7.4/3.7 & 6.2/3.1 A Continuous B 6206 Recognized Y	2.2 & 1.5 kWVoltage3510 & 2940 rpmService Factor182TCEnclosureNo ProtectionEfficiency40 °CFrequency8.2-7.4/3.7 & 6.2/3.1 APower FactorContinuousInsulation ClassBKVA Code6206Opp Drive End Bearing SizeRecognizedCSAYIP Code

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	5.16 Ohms	Mounting	Bolt-on Base
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	13.97 in
Frame Length	8.50 in	Shaft Diameter	1.130 in
Shaft Extension	2.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035548-850	Connection Drawing	005010.01ME

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CERTIFICATION DATA SHEET

Model#:	182TTFW4320 AA	WINDING#:	T82116 R1 3
CONN. DIAGRAM:	005010.01ME	ASSEMBLY:	F1 ONLY
OUTLINE:	035548-850		

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3510&2940	182TC	TEFC	K	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208-	8.2-	ACROSS THE	CONTINUOU	F4	1.15/1.15	40	3300
		230/460#190/	7.4/3.7&6.2/3.	LINE	S				
		380	1						

FULL LOAD EFF: 85.5&85.5	3/4 LOAD EFF: 84.4	1/2 LOAD EFF: 81.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&86	3/4 LOAD PF: 85.3	1/2 LOAD PF: 78.3	82.6	SQ CAGE IND RUN	2.4 / 1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	63 / 31.5	10.6 LB-FT 236	16.6 LB-FT 369	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.16 LB-FT^2	0 LB-FT^2	12 SEC.	2	70 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	BOLT-ON	SHAFT DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (ENAMEL)

BEAF	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

	THERMO-PF	ROTECTORS		THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further

information

		ER TORQU SPEED RA	JE: NONE ANGE: NONE		
I	ENCOD	ER: NONE	E		
	NONE	NONE			
l	NONE	NONE PP	R		
1	BRAKE:	NONE	NONE		
	NONE	P/N N	IONE		
	NONE	NONE			
	NONE F	-T-LB	NONE V	NONE Hz	

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