

PRODUCT INFORMATION PACKET

Model No: 184TBDW7001

Catalog No: I108A

Air Compressor Motor, 7.50 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 184T Frame, DP



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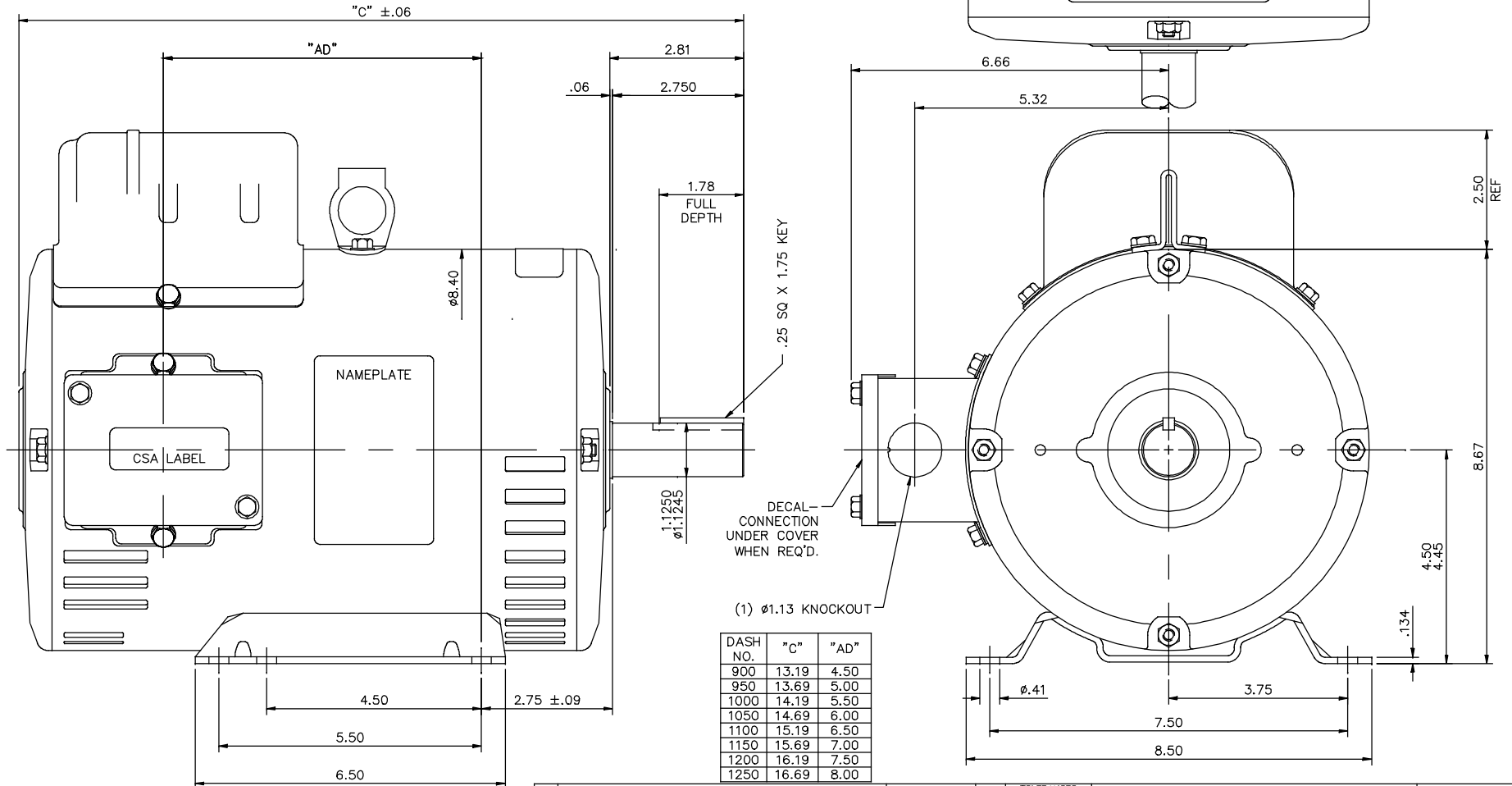
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	208-230 V
Current	34.0-31.0 A	Speed	3515 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	93.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	16.69 in	Frame Length	12.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.81 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	035514-1250	Connection Drawing	005018.01ME

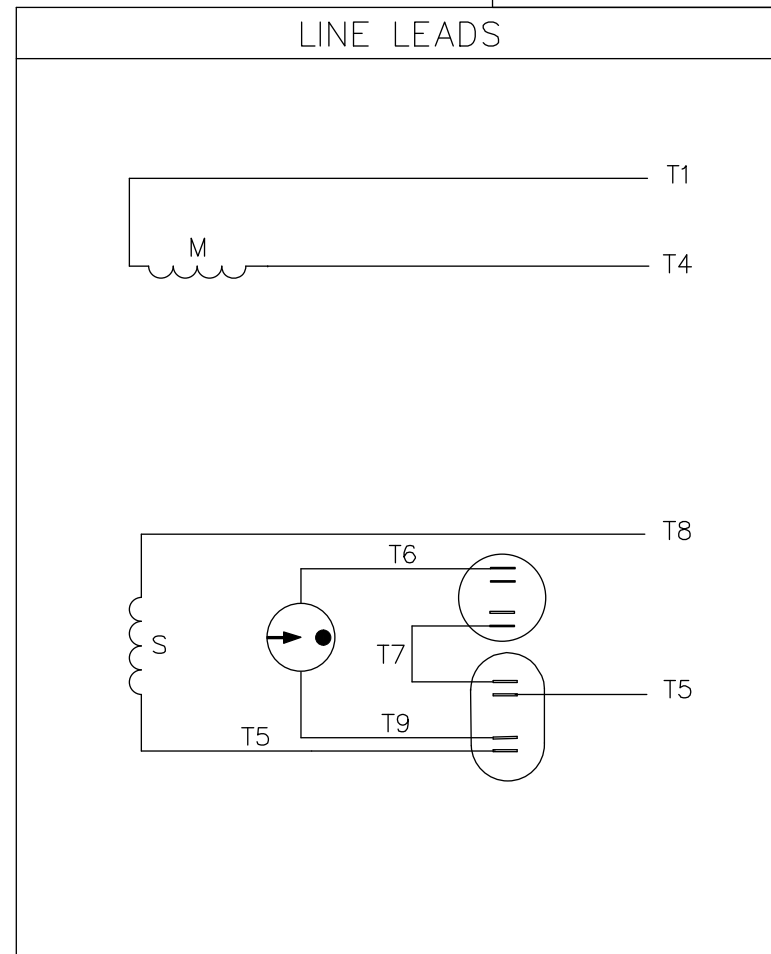
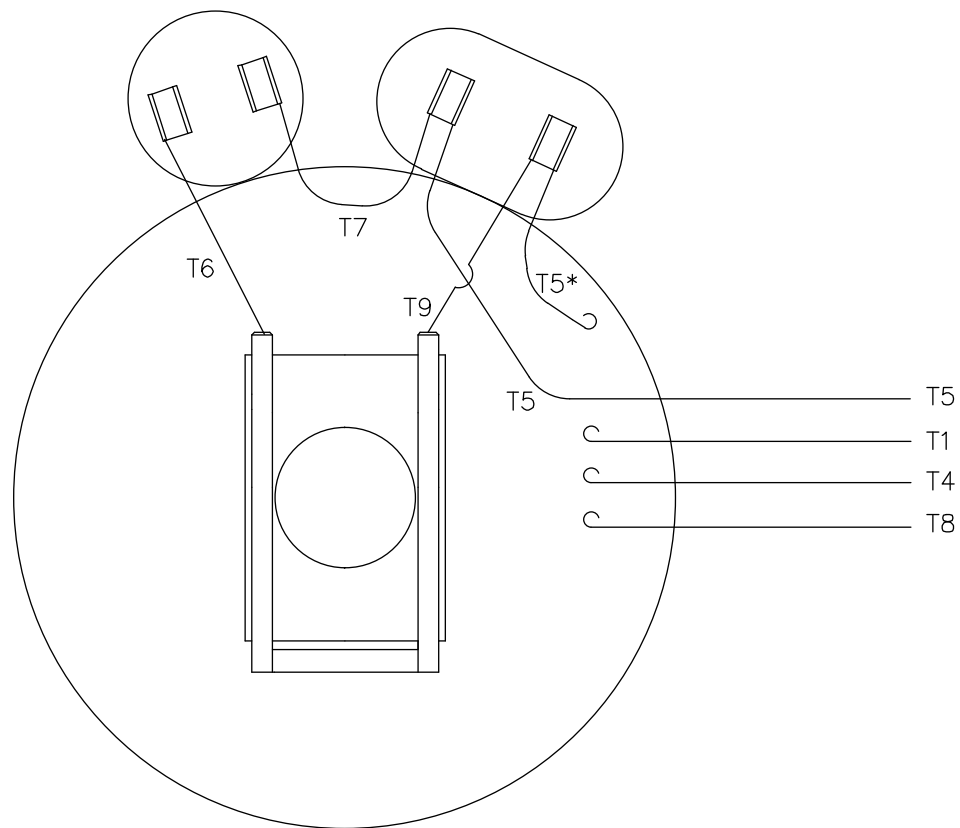
035514



GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		DRAWN LST 8/31/06	
		DEC.	INCHES	CHK	RW 8/31/06
		X	±.1	APPD	KH 8/31/06
		.XX	±.03	TITLE	OUTLINE- 180T FRAME DRIP PROOF- RIGID
02	KNOCK OUT WAS 1.34	MVG	09/05/17	GR	.XXX ±.005
01	CHANGED TO NEW CONDUIT BOX 022737	YS	04/08/08	.XXXX	±.0005
NO.	REVISION	BY & DATE		CHK	ANG ±1/2"
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	FINISH
		CAD FILE		035514	SIZE
		DIST		B	DRAWING NO.
					035514
					REV.
					02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1,T8	T4,T5
C.W.	T1,T5	T4,T8

* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 6/5/03			
		DEC.	INCHES			CHK			
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR		APPD			
		.XX	±.01			SCALE 1=1			
		.XXX	±.005			REF 005018			
		.XXXX	±.0005			FMF 139047			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV		
			RFP	6/5/03	CAD FILE	00501801ME	SIZE A	DRAWING NO. 005018-01ME	REV.
			DIST						

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 7.50

PHASE 1

Model No 184TBDW7001

60

HZ

VOLTS 208-230

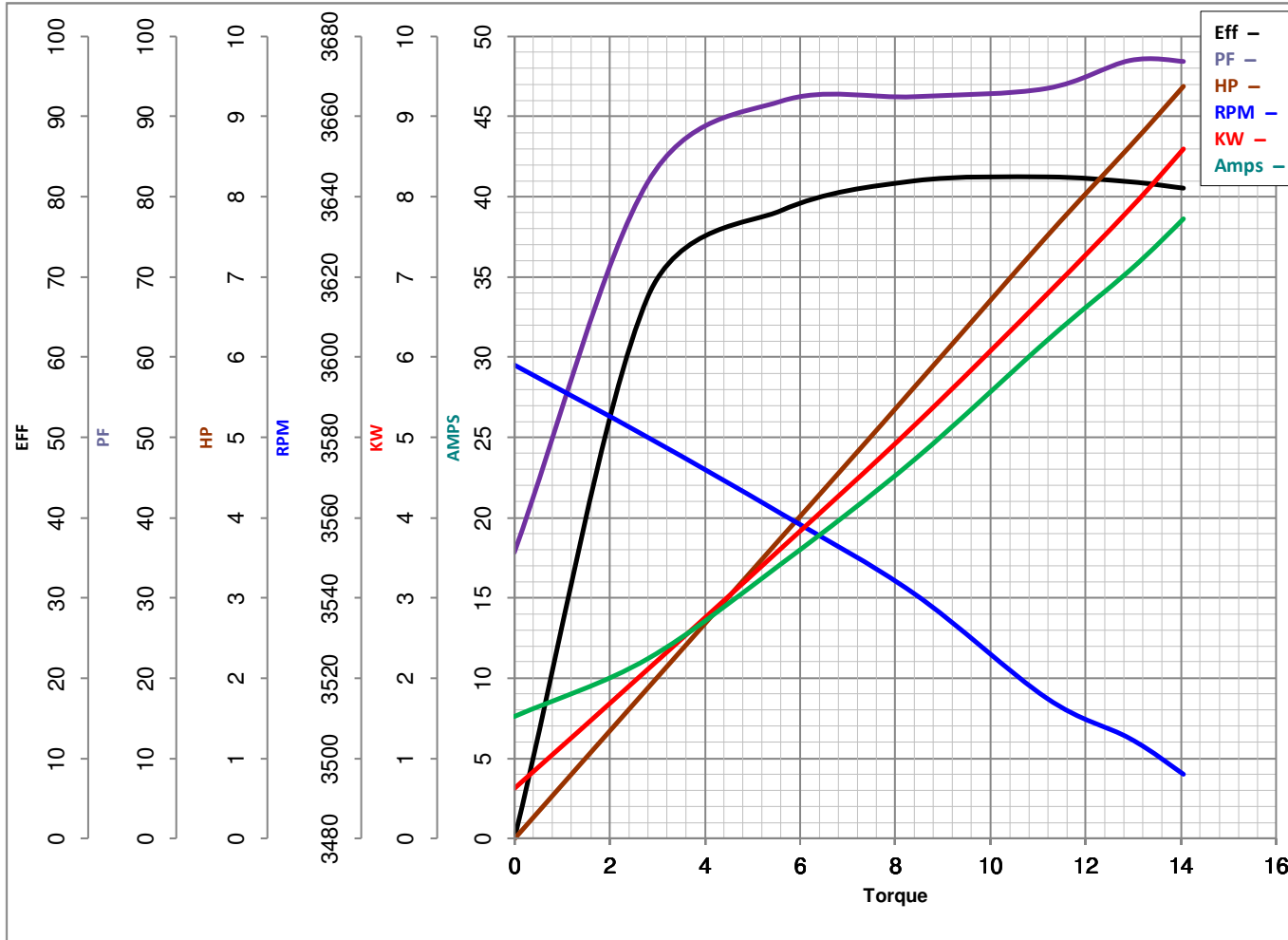
7.5

HP

Catalog No I108A

HZ 60

RPM 3515



Torque in Lb.Ft

FL TORQUE 11.17 Lb.Ft
 BD TORQUE 30.0 Lb.Ft
 LR TORQUE 26 Lb.Ft

FL AMPS 34-31
 PU TORQUE 24.2 Lb.Ft
 LR AMPS 235

WINDING K8228- Prepared By Vinayak

Date 1/11/2019