

PRODUCT INFORMATION PACKET

Model No: 182TTFW16041
Catalog No: 182TTFW16041
3,1500,TEFC,182T,3/50/400-415/YD

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Nameplate Specifications

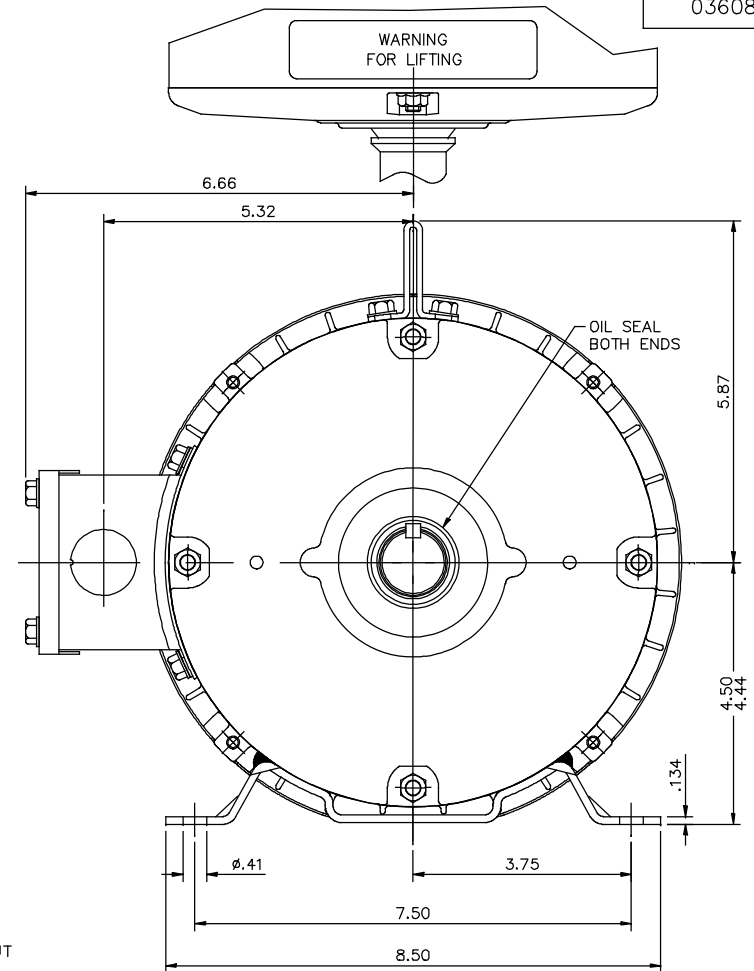
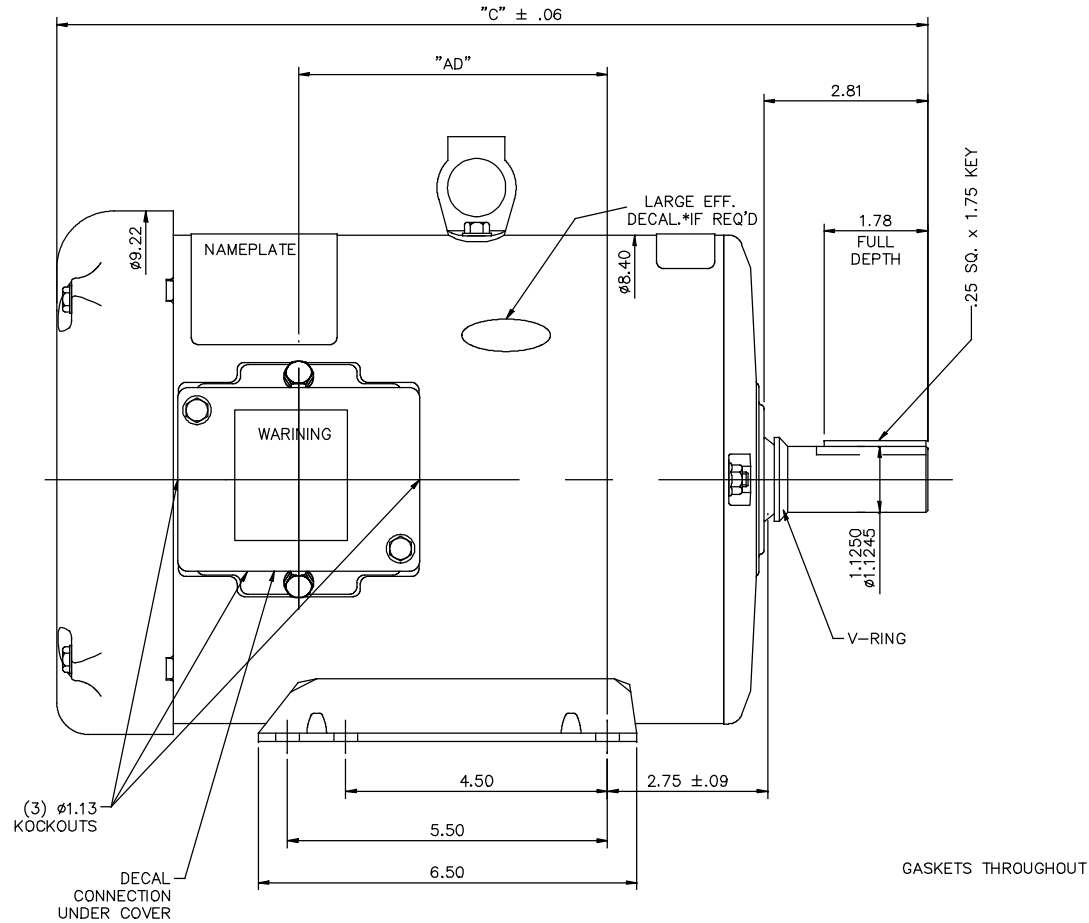
Output HP	3 Hp	Output KW	2.2 kW
Frequency	50 Hz	Voltage	400-415 V
Current	4.8-4.7 A	Speed	1470 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	76.2
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	50 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.08 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005017.09 ME	Outline Drawing	036087-950

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036087



DASH NO.	"C"	"AD"
750	12.97	3.37
800	13.47	3.87
850	13.97	4.37
900	14.47	4.87
950	14.97	5.37
1000	15.47	5.87
1050	15.97	6.37
1100	16.47	6.87
1150	16.97	7.37

TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN JAH 11/5/2014	
DEC.	INCHES			CHK	SR 05/14/2018
.X	±.1			APPD	
.XX	±.03				
.XXX	±.005				
.XXXX	±.0005				
NO.	REVISION	BY & DATE	SR	ANG	±1/2"
B	DECAL LOCATION UPDATED	SR 05/14/2018	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	CAD FILE	036087	SIZE B
		DIST	DRAWING NO.	036087	REV. B



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WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 415

CERTIFICATION DATA SHEET

CUSTOMER:**ORDER #:****CONN. DIAGRAM:****OUTLINE:****WINDING:****SPEED:**

005017.09 ME

036087-950

T84253

FR

5

CUSTOMER P.O. #:**REFERENCE MODEL #:****CAT #:****CUSTOMER PART #:****MOUNTING:**

182TTFW16041

N/A

F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	1500	1470	182T	TEFC	TFW	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	50	400-415	4.7-4.7	Y START D RUN OR INV	CONT	F	1.15	50	3300

F.L. EFF	87.5	3/4 LD EFF	86.8	1/2 LD EFF	83.9	GTD EFF	ELECT. TYPE
F.L. PF	76.2	3/4 LD PF	68.7	1/2 LD PF	56.7	84.7	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
10.8 LB-FT	44.5	32.5 LB-FT	301% 48.4 LB-FT	448% 47

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
0 dBA	9 dBA		0.31 LB-FT ²	0 LB-FT ²	10 SEC.	2	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE - MARATHON

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
BALL BALL	POLYREX EM	T	NONE	NONE	ISI 1045 (C-240)		ROLLED STEEL
6207 6205							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE	HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE		NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E s *					INVERTER TORQUE: VARIABLE 10:1
					INV. HP SPEED RANGE: NONE
					ENCODER: NONE
					NONE
					NONE PPR

PREPARED BY: CHANDANA DESU	BRAKE: NONE
DATE: 8/1/2022	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE
	HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC