

PRODUCT INFORMATION PACKET

Model No: 184TTWW16026

Catalog No: N658C

PowerWash™ XT Wash Down Duty™ General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz,
230/460 & 190/380 V, 1800 & 1500 RPM, 184TC Frame, TEFC



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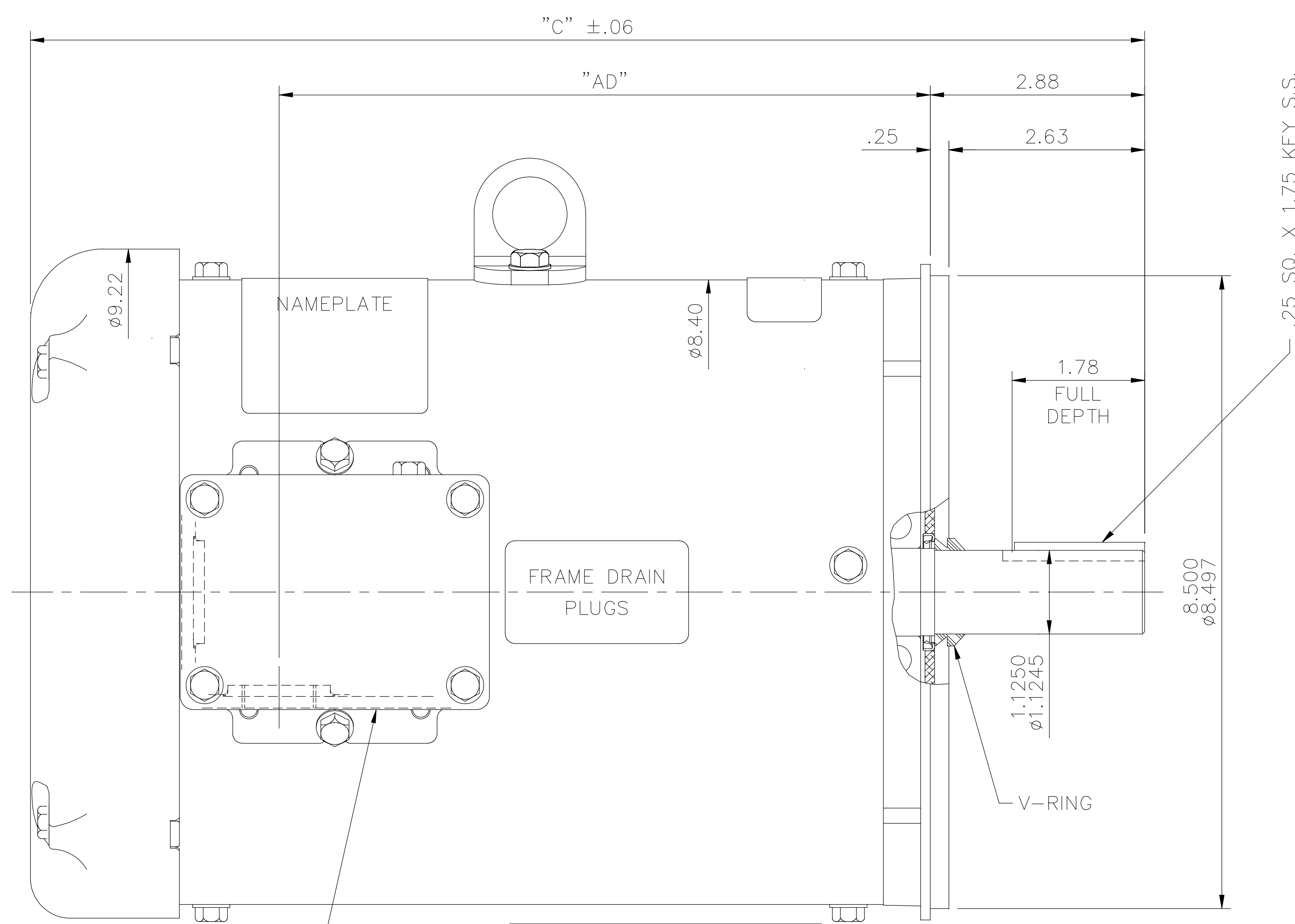
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Nameplate Specifications

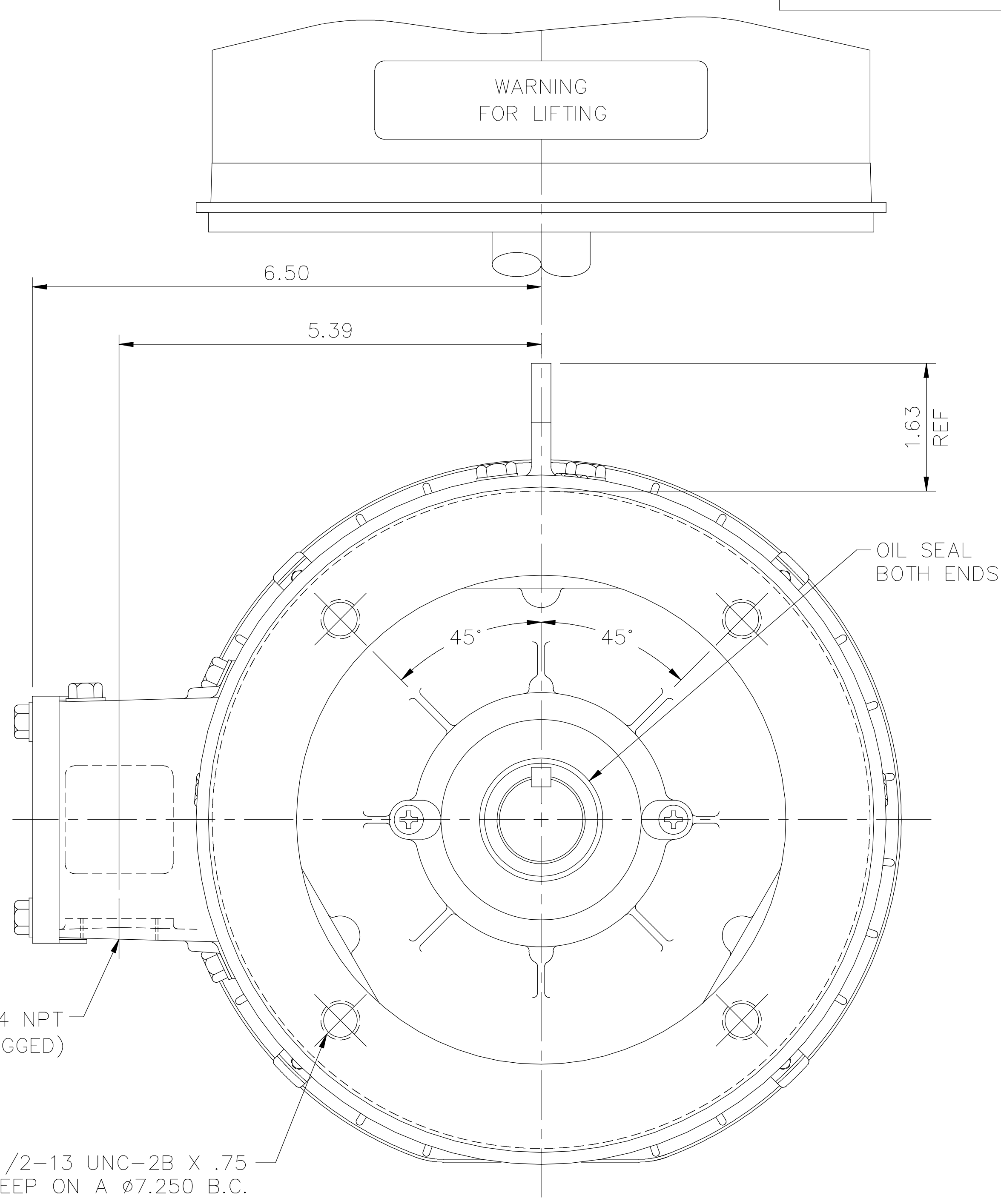
Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	1760 & 1475 rpm	Service Factor	1.15 & 1.0
Frame	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.6/6.3 & 10/5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
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 Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	2.68 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.97 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.88 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035481-950	Connection Drawing	005010.01ME

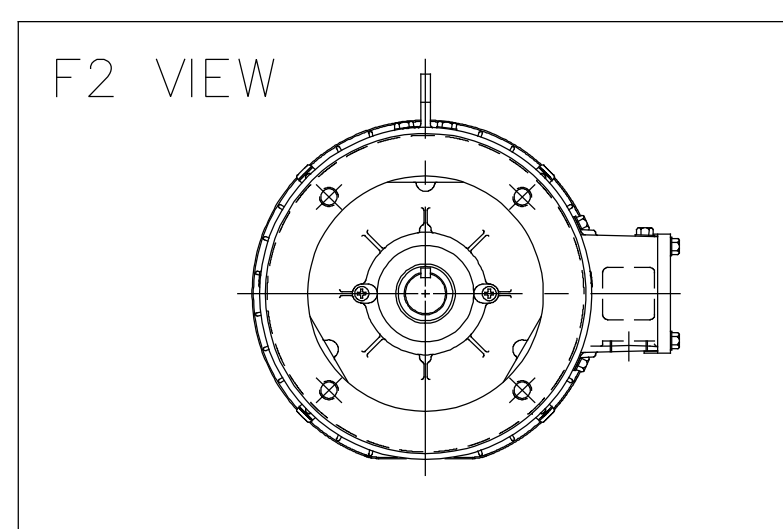


.25 SQ. X 1.75 KEY S.S.



MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DECAL CONNECTION UNDER COVER (WHEN REQ'D)



- SPECIAL FEATURES:**
- 1) SHAFT SEALS & V-RING
 - 2) DRAIN HOLES IN FRAME & CONDUIT BOX
 - 3) STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE
 - 4) GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
900	14.47	8.25
950	14.97	8.75
1000	15.47	9.25
1050	15.97	9.75
1100	16.47	10.25
1150	16.97	10.75

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN LST 10/15/03	
		DEC.	INCHES			CHK	
		.X	±.1			APPD RW 10/15/03	
03	F2 VIEW ADDED	NK05-24-2019	.XX	±.03	TITLE		SCALE 1=2
02	PLUGGED CON BOX DR HOLE WAS IN BOTTOM PER 91496	GWS 12/17/07	PG	.XXX	±.005	REF 035461ME	
01	ADDED "CE" DECAL; ECR 84920	KLS 11/30/05	RDW	.XXXX	±.0005	FMF 139064	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV
			RFP			CAD FILE 035481	SIZE DRAWING NO.
			DIST			B	035481
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							03

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 04/12/02			
		DEC.	INCHES			CHK	APPD		
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR MAT'L. DECAL - 004014		SCALE 1=1			
		.XX	±.01			REF FIG.2-51			
		.XXX	±.005			FMF			
		.XXXX	±.0005			PREV			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	SIZE	DRAWING NO.	REV.
			RFP	04/12/02		CAD FILE	A	005010-01ME	

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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
 ORDER #: _____ REFERENCE MODEL #: 184TTWW16026
 CONN. DIAGRAM: 005010.01ME CAT #: N658C
 OUTLINE: 035481-950 CUSTOMER PART #: _____
 WINDING: T84170 FR 3 MOUNTING: F1/F2 CAPABLE
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
5	3.7	1800	1760	184TC	TEFC	TFW	J	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	12.6/6.3&10/5	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF	89.5	3/4 LD EFF	90.2	1/2 LD EFF	88.9	GTD EFF	87.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	83.1	3/4 LD PF	79.4	1/2 LD PF	70.9				
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)					
15.0 LB-FT	49.0	30.1 LB-FT 201%	50.2 LB-FT 335%	65					
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
55 dBA	64 dBA	0.49 LB-FT ²	0 LB-FT ²	15 SEC.	2	0 LB.			

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPO)
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL	
DE	ODE	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL	
BALL	BALL							
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: NONE INV. HP SPEED RANGE: NONE	
			ENCODER: NONE NONE NONE	
			BRAKE: NONE NONE	
			FT-LB: NA VOLTAGE: NONE	
PREPARED BY: FAREEDA DUDEKULA DATE: 9/17/2018		NONE NONE PPR HZ:		
FORM: 3531 REV_4 2/27/06		UL: V-INS, CONST UL REC		

Data Sheet

Date: 12/5/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



184TTWW16026

Submittal

Data @ 460 V

Motor Load Data

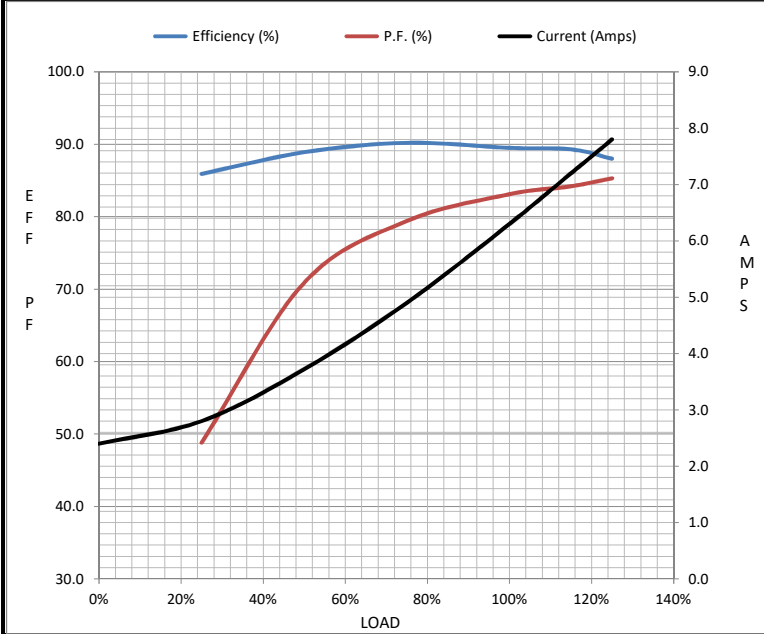
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8	49.0
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8	30.1
RPM	1800	1790	1779	1768	1760	1,747	1742	0
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0	
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1760	1800
Current (Amps)	49.0	45.1	29.4	6.3	2.40
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00

Information Block

HP	5.0			
Sync. RPM	1800			
Frame	184			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.49 Lb-Ft ²			
Ref Wdg	T84170 FR			
Sound Pressure @ 1M	55 dBA			
VFD Rating	NONE			
Outline Dwg	035481-950			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

