

# PRODUCT INFORMATION PACKET

Model No: 145TTWD6029  
Catalog No: N418A  
2,1750,TEFC,145TC,3/60/208-230/460  
Washdown Duty



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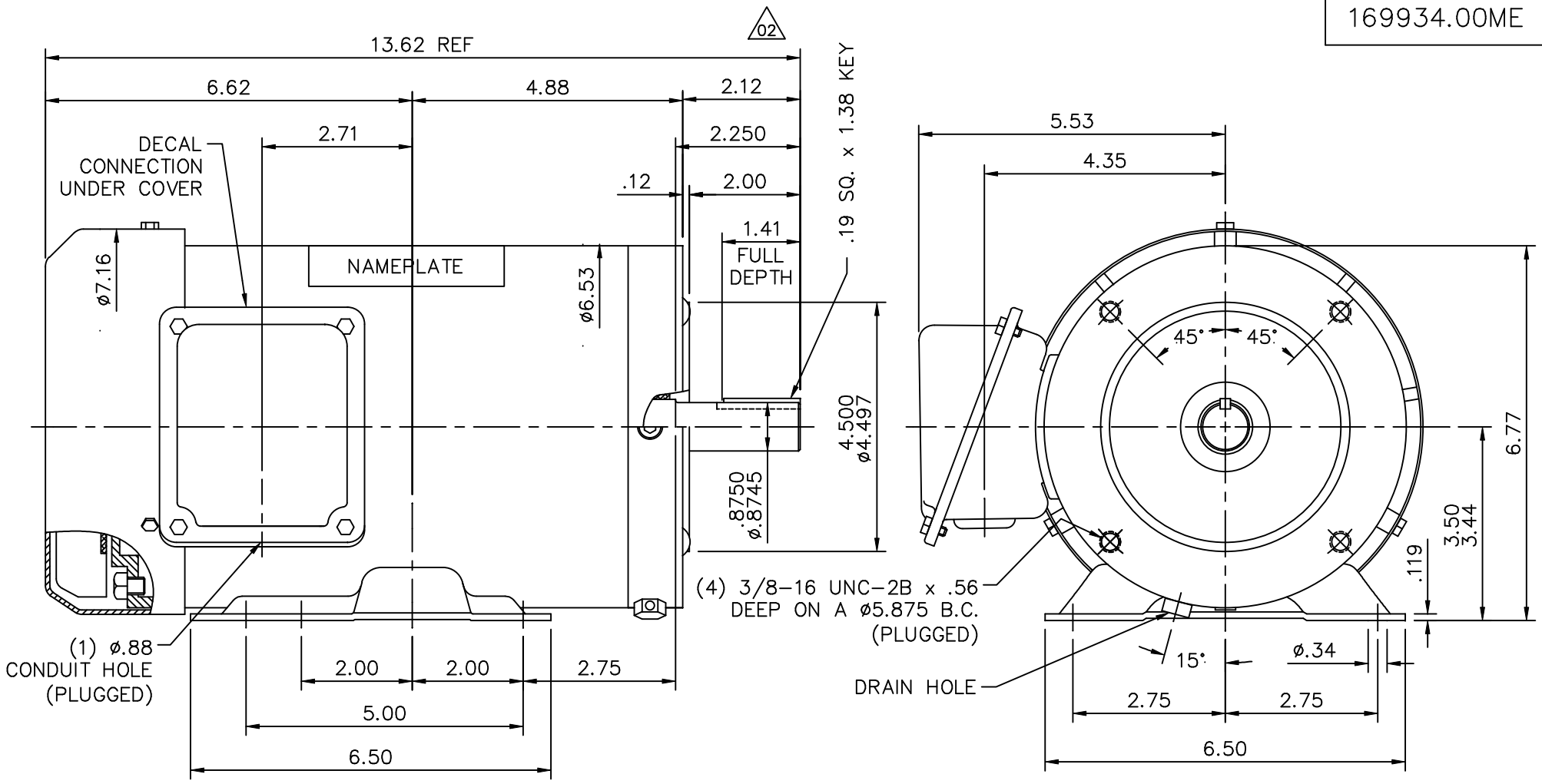
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>5.8-5.4/2.7 A</b>	Speed	<b>1750 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>145TC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>55</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Stainless Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>13.62 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.12 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Outline Drawing	<b>16993400ME</b>	Connection Diagram	<b>005010.01ME</b>

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

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN MGM 04/09/03			
				DEC.	INCHES		CHK	RDW 04/09/03		
				.X	±.1	TITLE OUTLINE - 143-145TC FRAME TEFC - RIGID "C"	APPD			
				.XX	±.03		SCALE	3=8		
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005		REF			
01	CONDUIT HOLE WAS 1/2-14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV			
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	16993400ME	SIZE	DRAWING NO.	REV.
				DIST				A	169934.00ME	01

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

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Data Sheet

1451TWD6029



Submittal  
Data @ 460 V

Date: 6/29/2017

Customer:   
Attention:   
Submitted by: FAREEDA DUDEKULA

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.40	1.80	1.80	2.20	2.70	2.96	3.2	23.4
Torque (ft-lb)	0.00	1.47	2.95	4.5	6.0	6.9	7.5	17.4
RPM	1800	1789	1779	1767	1754	1,747	1741	0
Efficiency (%)		77.9	85.9	88.2	88.4	89.0	88.1	
P.F. (%)	8.9	37.6	60.5	72.5	78.3	81.7	83.0	51.5

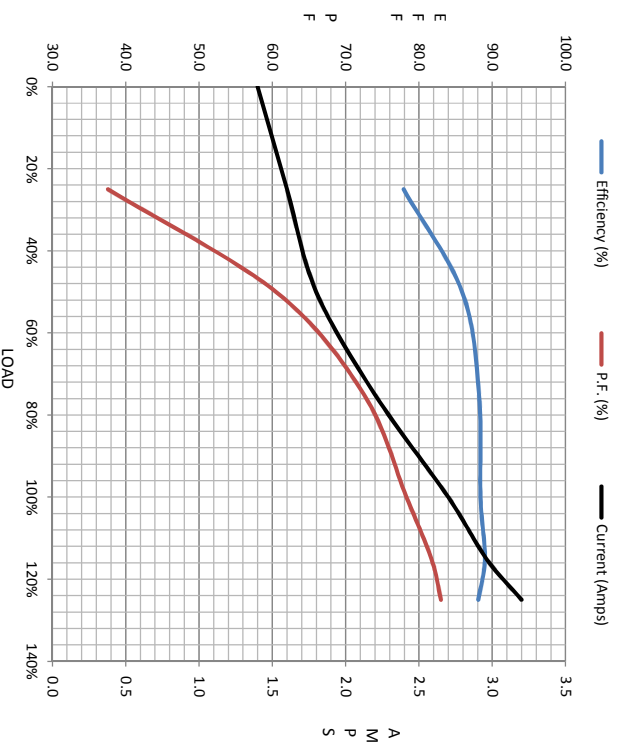
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	321	1364	1754	1800
Current (Amps)	23.4	22.9	14.2	2.70	1.40
Torque (ft-lb)	17.4	14.0	25.4	6.0	0.00

Information Block

HP	2.0
Sync. RPM	1800
Frame	0
Enclosure	TEFC
Construction	NA
Voltage	30/460#190/38 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	46 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk <sup>e</sup>	0.00 Lb-Fe
Rel Wdg	Q163422 FR
Sound Pressure @ 1M	999 dbA
VFD Rating	NONE
Outline Dwg	16993400ME
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

