

PRODUCT INFORMATION PACKET

Model No: 145TTDR16319
Catalog No: C103A
3,3600,DP,145TC,3/60/230/460
Open Drip Proof (ODP)



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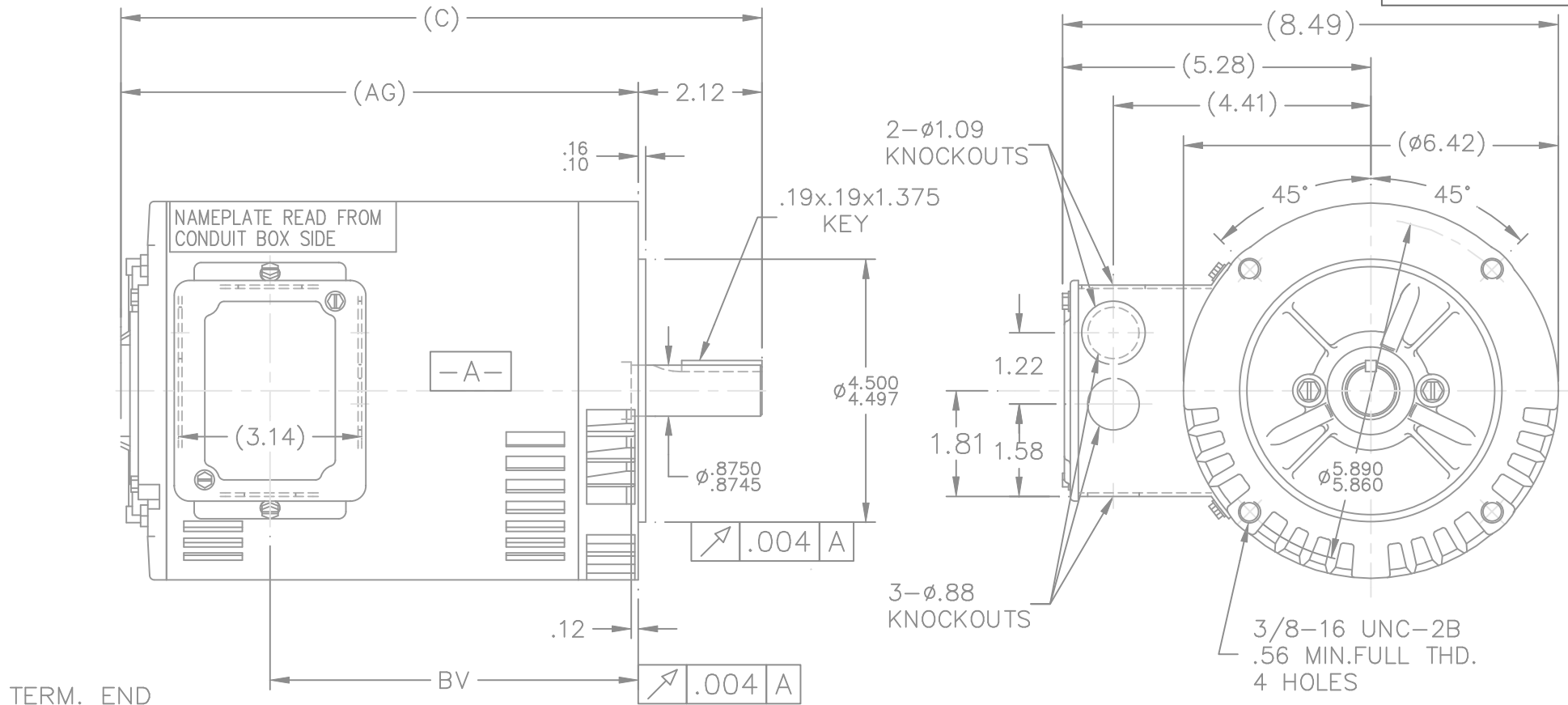


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.6/3.8 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Duty	Continuous
Insulation Class	B	Design Code	A
KVA Code	M	Frame	145TC
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	12.99 in	Frame Length	9.06 in
Shaft Diameter	0.875 in	Shaft Extension	2.12 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-100097-906	Connection Diagram	EE7308



TERM. END

DASH	FR.	C	AG	BV	DASH	FR.	C	AG	BV
					806	140TC	11.99	9.87	7.31
656	140TC	10.49	8.37	5.81	856	140TC	12.49	10.37	7.81
706	140TC	10.99	8.87	6.31	906	140TC	12.99	10.87	8.31
756	140TC	11.49	9.37	6.81	956	140TC	13.49	11.37	8.81

NOTES:
1. CONDUIT BOX CAN BE ROTATED 180°

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN SMC 04-24-1991					
				DEC.	INCHES		CHK	ML	APPD	GK	SCALE	3=8
7	FRAME WAS 140TCZ	CN 31509	TJB	03-30-2001	.X	±.1	TITLE OUTLINE 140TC FR. DR.PR. - C'FACE MAT'L. FINISH	REF	FMF	PREV		
6	ADDED SHAFT KEY NOTE: .19X.19X1.375	CN29200-1254	MSG	01-06-2001	.XX	±.03		SCALE	3=8			
5	REVISED 'C' DIMENSION	CN 29200-1189	MSG	12-11-2000	.XXX	±.005		REF				
4	REDRAWN ON CADD		SMC	04-24-1991	.XXXX	±.0005		REF				
NO.	REVISION		BY & DATE		CHK	ANG		±'30"	REF	FMF	PREV	
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				DIST	WP				A	100097		7

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Data Sheet

Date: 15-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



145TTDR16319

Submittal

Data @ 460 V

Motor Load Data

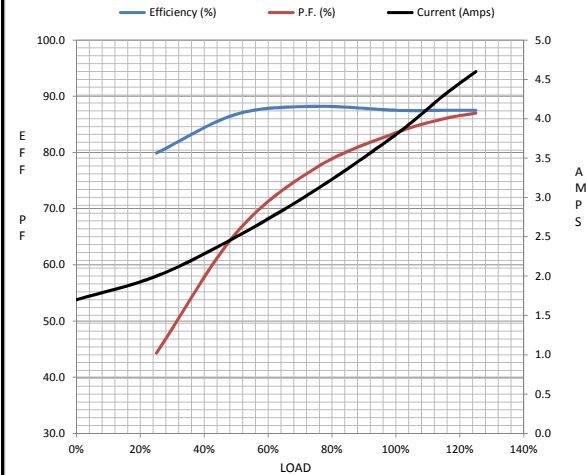
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.00	2.50	3.1	3.8	4.3	4.6	41.1
Torque (ft-lb)	0.00	1.10	2.21	3.3	4.5	5.2	5.7	17.8
RPM	3600	3580	3560	3535	3510	3,495	3485	0
Efficiency (%)		79.9	86.8	88.2	87.5	87.5	87.5	
P.F. (%)	10.9	44.3	65.7	77.3	83.5	86.0	87.0	65.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	255	2310	3510	3600
Current (Amps)	41.1	40.4	29.8	3.8	1.70
Torque (ft-lb)	17.8	15.7	23.2	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	145			
Enclosure	DP			
Construction	TDR			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	41 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	ZT2175 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	A-100097-906			
Conn. Diag	EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.8790	2.2700	5.3920	5.0140	173.5910



Speed -Torque Curve

