

PRODUCT INFORMATION PACKET

Model No: 145TTDR6029
Catalog No: U760
2,1800,DP,145T,3/60/230/460
Open Drip Proof (ODP)



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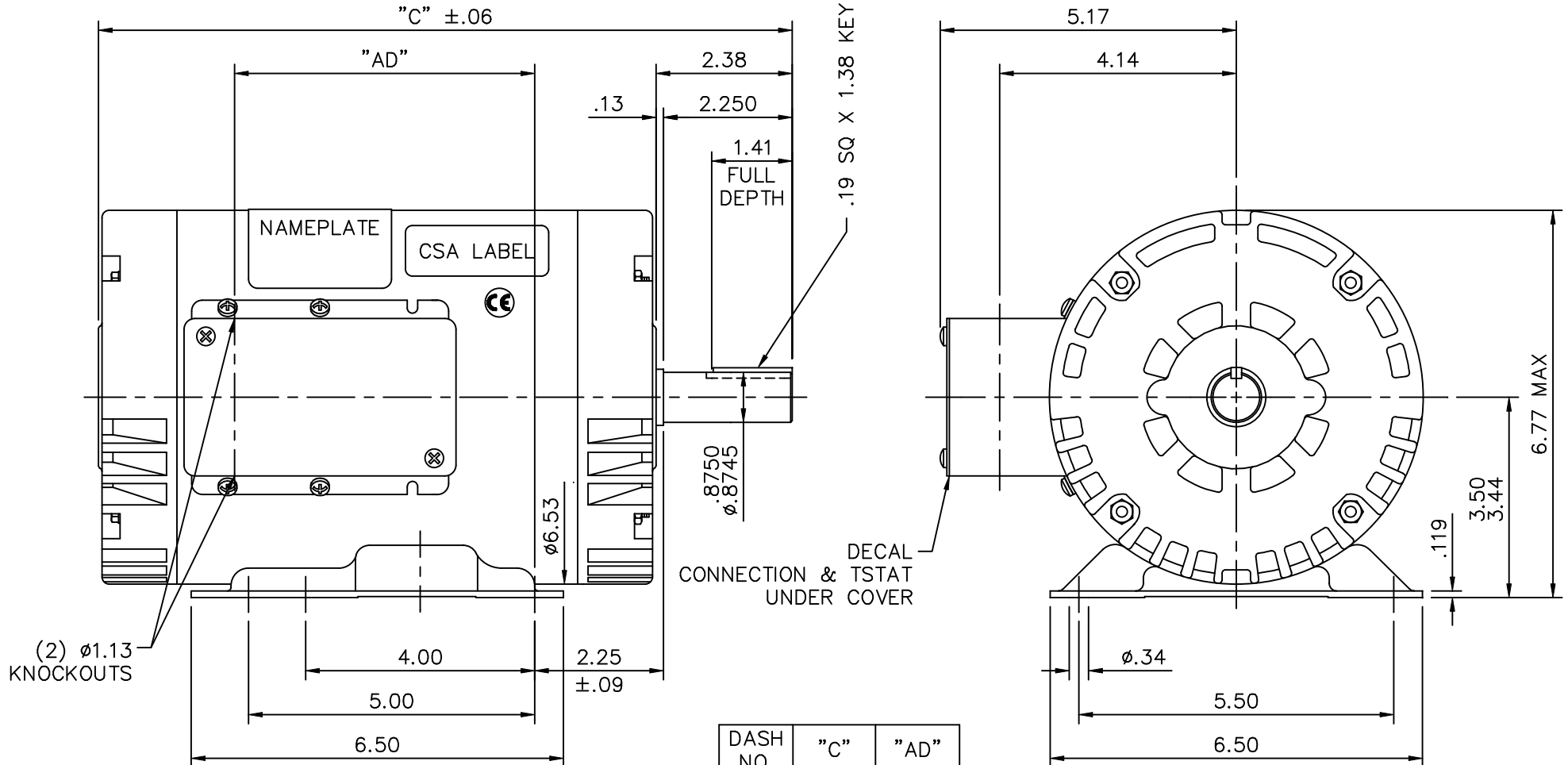
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.8/2.9 A	Speed	1745 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145T
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	13.62 in	Frame Length	8.50 in
Shaft Diameter	0.875 in	Shaft Extension	2.37 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	034908-850	Connection Diagram	005010-20ME

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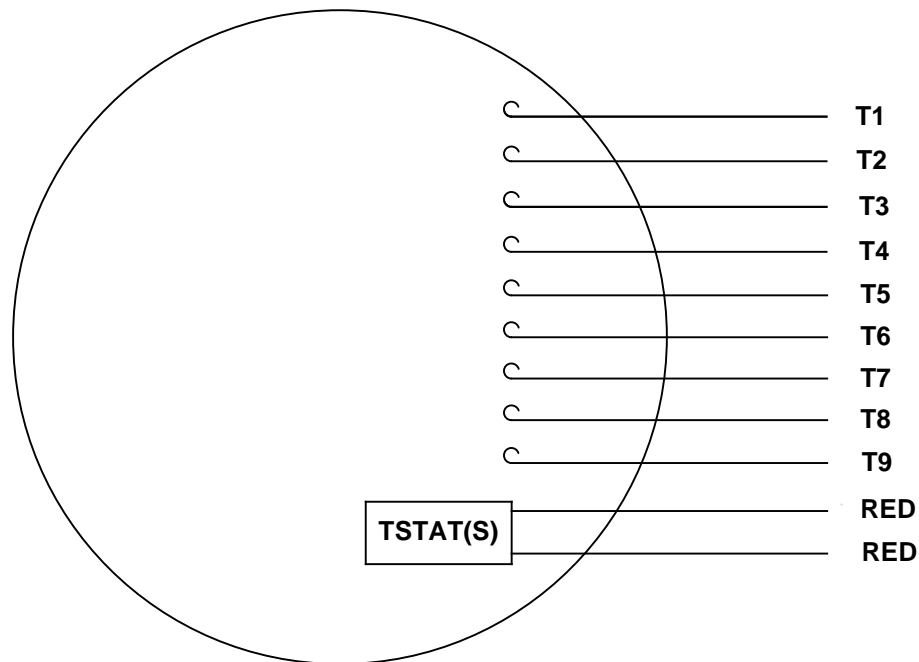


DASH NO.	"C"	"AD"
650	11.62	4.75
700	12.12	5.25
750	12.62	5.75
800	13.12	6.25
850	13.62	6.75

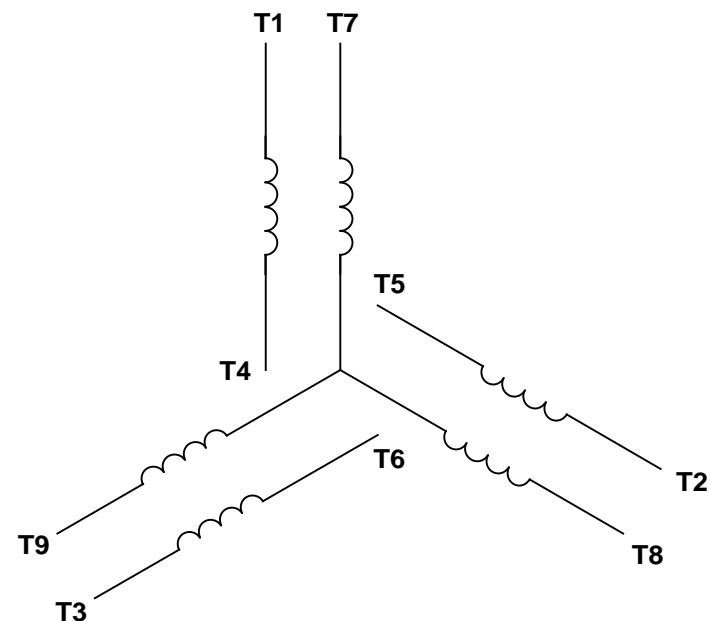
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN	RDW 12/13/01
		DEC.	INCHES			CHK	
		.X	±.1	TITLE OUTLINE - 143T/145T FRAME DRIP PROOF - RIGID		APPD	KMM 12/13/01
		.XX	±.03			SCALE	3=8
		.XXX	±.005			REF	121003
		.XXXX	±.0005			FMF	
01	ADDED CE LABEL	ARV 8/8/05		MAT'L.		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH		
			RFP	12/13/01	CAD FILE	034908	SIZE
						A	DRAWING NO.
							034908
							REV.
							01

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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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 04/13/04	
		DEC	INCHES			CHK	
		.X	±.1			APPR	
		.XX	±.01			SCALE 1:1	
			.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM		REF
			.XXX	±.0005	3 PHASE		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.0005	MAT'L DECAL - 004014 (TSTAT) - 080582	FMF 129027
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE OF
THIRD ANGLE PROJECTION			RFP	PREV			SIZE
			NETWORK FILE NAME 00501020ME			DRAWING NO	
						A	
						005010-20ME	
						REV	
						--	

CERTIFICATION DATA SHEET

Model#: 145TTDR6029 AA WINDING#: T634340 DR 3
 CONN. DIAGRAM: 005010-20ME ASSEMBLY: F1 ONLY
 OUTLINE: 034908-850

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	1800	1745&1440	145T	DP	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	5.8/2.9&6/3	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&86.5	3/4 LOAD EFF: 85.6	1/2 LOAD EFF: 83.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75.6&68	3/4 LOAD PF: 64	1/2 LOAD PF: 51.9	0	SQ CAGE INV RATED	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	53.2 / 26.6	25.3 LB-FT 422	28.8 LB-FT 480	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.162 LB-FT^2	0.2 LB-FT^2	10 SEC.	0	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6205	BALL 6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

