

PRODUCT INFORMATION PACKET

Model No: 145TTDR6013
Catalog No: GT0409
3,3600,DP,145JM,3/60/230/460
JM



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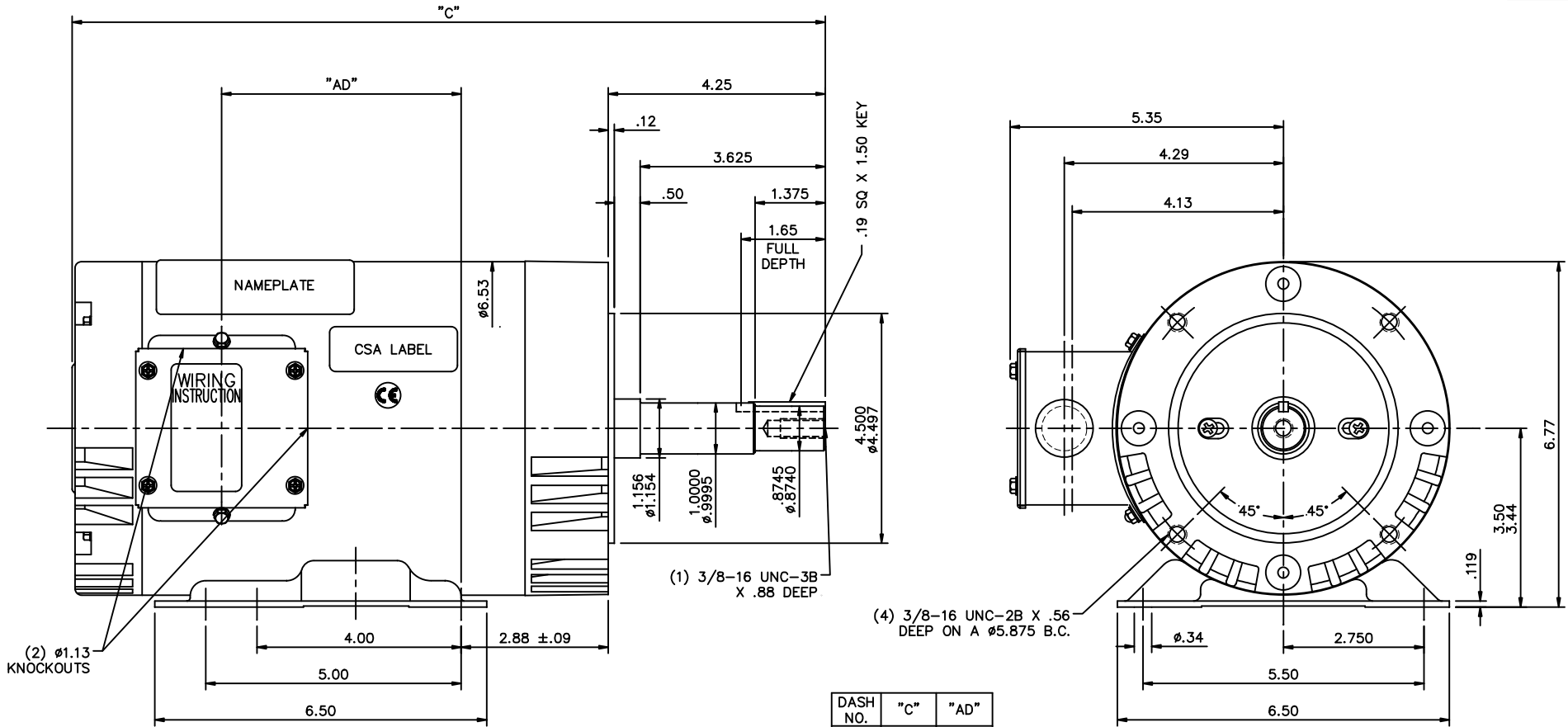
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	7.2/3.6 A	Speed	3490 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	145JM
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
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	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	14.75 in	Frame Length	7.50 in
Shaft Diameter	0.875 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	029012-825	Connection Diagram	005010.01ME

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DASH NO.	"C"	"AD"
650	13.75	3.69
700	14.25	4.19
750	14.75	4.69
800	15.25	5.19
825	15.50	5.44
850	15.75	5.69
875	16.00	5.94
900	16.25	6.19
950	16.75	6.69

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

NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	SIZE	DRAWING NO.	REV.	
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	029012	B	029012
							DIST				

TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN	JD 10/11/10
DEC.	INCHES	CHK	APPD	SCALE	1=2
.X	±.1			REF	028950
.XX	±.03			FMF	
.XXX	±.005			PREV	
.XXXX	±.0005				
TITLE		OUTLINE - 145JM FRAME DRIP PROOF - RIGID "C"			
MAT'L		JM PUMP MOTOR			

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	
		.X	±.1			APPD	
		.XX	±.01	TITLE		SCALE 1=1	
		.XXX	±.005	EXTERNAL WIRING DIAGRAM		REF FIG.2-51	
		.XXXX	±.0005	MAT'L.		FMF	
				DECAL - 004014		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
			RFP	04/12/02		CAD FILE	00501001ME
			DIST			SIZE	A
						DRAWING NO.	005010-01ME
						REV.	

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CERTIFICATION DATA SHEET

Model#: 145TTDR6013 AA **WINDING#:** T632175 NONE 3
CONN. DIAGRAM: 005010.01ME **ASSEMBLY:** F1 ONLY
OUTLINE: 029012-750

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	3600	3490&2880	145JM	DP	K	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	7.2/3.6&6.2/3. 1	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 86.5&89.4	3/4 LOAD EFF: 88.6	1/2 LOAD EFF: 87.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			0	SQ CAGE INV RATED	2.7 / 1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	/	- LB-FT -	- LB-FT -	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.084 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6206	BALL 6203	POLYREX EM	JM	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

If Inverter equals NONE, contact factory for further information

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

