PRODUCT INFORMATION PACKET

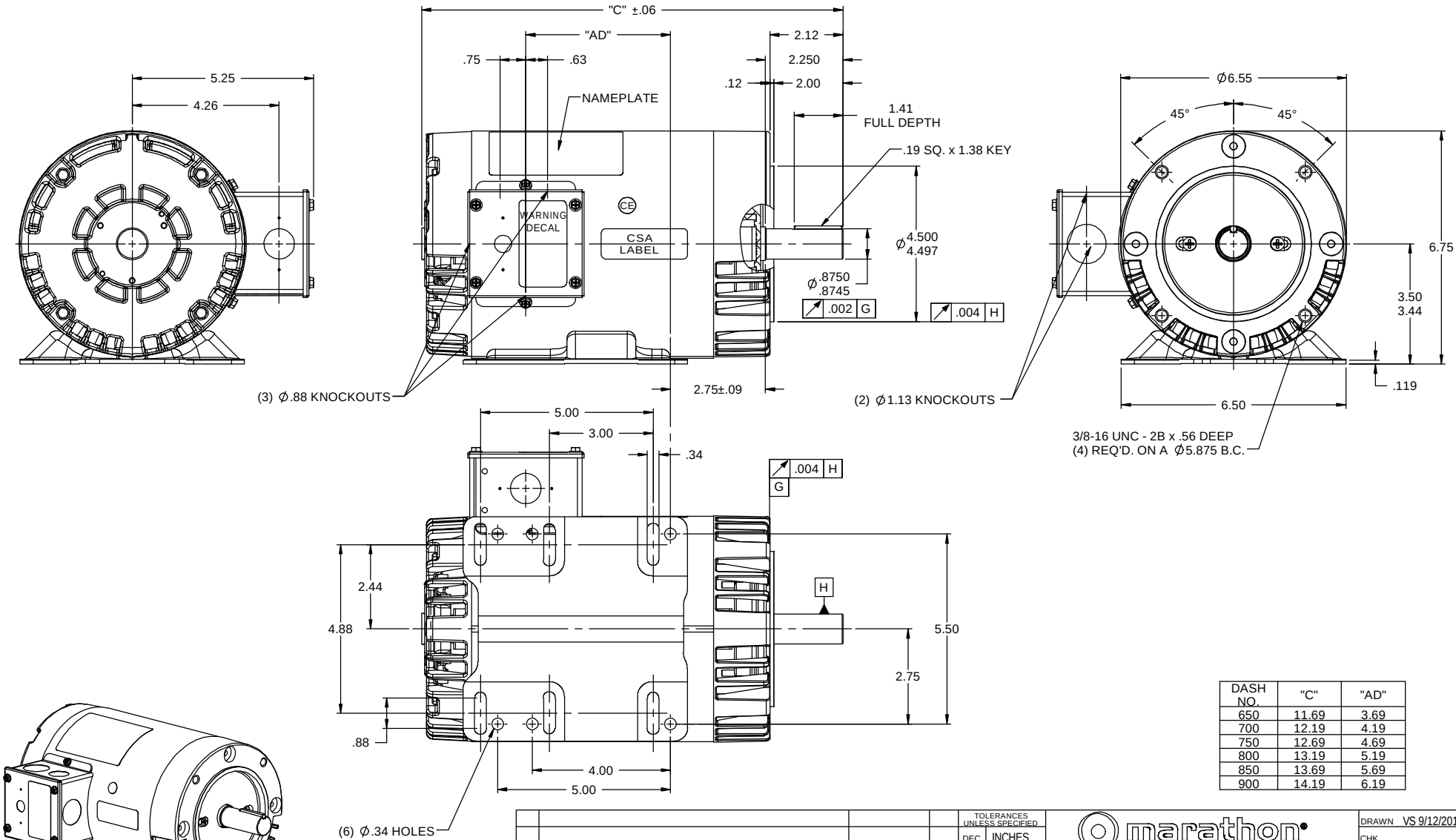
Model No: 145TTDR16365
Catalog No: K2022A
1 1/2,1800,DP,145TC,3/60/230/460
Open Drip Proof (ODP)

Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**4.8/2.4 A**	Speed	**1750 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**L**	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	**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	**12.69 in**	Frame Length	**7.50 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**2.12 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**028992ME-800**	Connection Diagram	**005010.01**

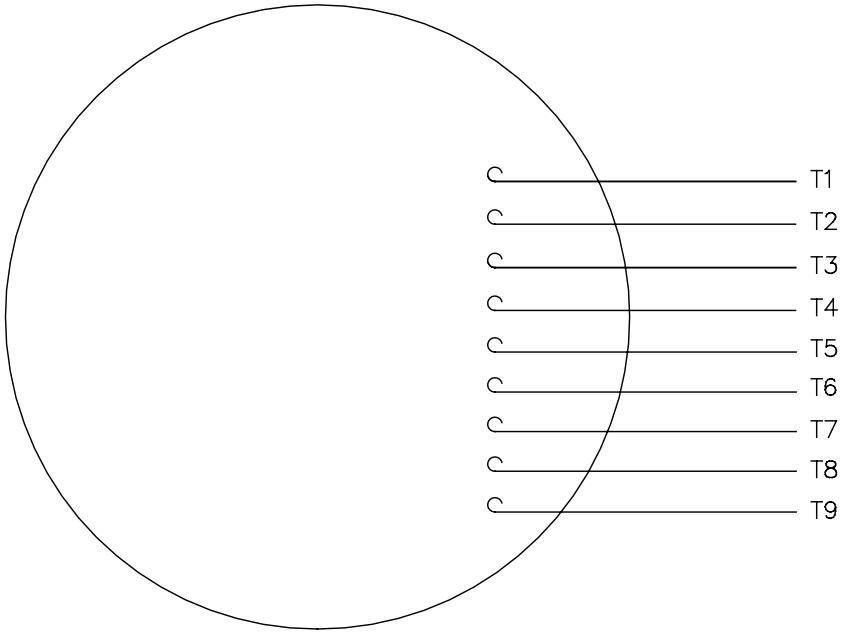


DASH NO.	"C"	"AD"
650	11.69	3.69
700	12.19	4.19
750	12.69	4.69
800	13.19	5.19
850	13.69	5.69
900	14.19	6.19

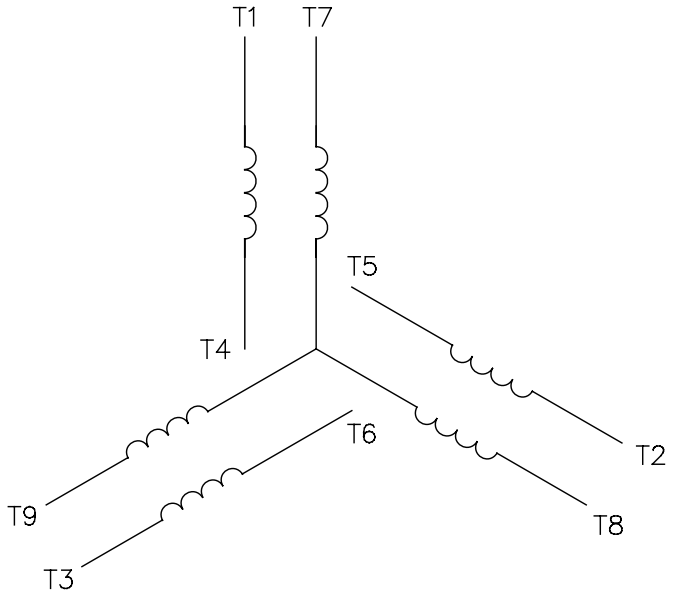
				TOLERANCES UNLESS SPECIFIED		DRAWN	VS 9/12/2012
				DEC INCHES	marathon electric	CHK	
				.X ±.1		APPR	
				.XX ±.03	TITLE OUTLINE - 140TC/56HCZ FRAME	SCALE	3:8
				.XXX ±.005	OPEN DRIP PROOF - "C" FACE	REF	028992
				.XXXX ±.0005	MAT'L	FMF	145TTDR16308
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE	OF
THIRD ANGLE PROJECTION			RFP		PREV	SIZE B	DRAWING NO 028992ME	REV
			NETWORK FILE NAME	028992ME			

005010–01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF–NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2–51 | FMF | PREV

SIZE A | DRAWING NO. 005010–01 | REV. A

CERTIFICATION DATA SHEET

Model#:	145TTDR16365 AA	**WINDING#:**	T634341 DR 3
CONN. DIAGRAM:	005010.01	**ASSEMBLY:**	F1 ONLY
OUTLINE:	028992ME-800		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1800	1750	145TC	DP	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	4.8/2.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 86.5	3/4 LOAD EFF: 87	1/2 LOAD EFF: 84.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 67.7	3/4 LOAD PF: 67.2	1/2 LOAD PF: 55.1	0	SQ CAGE IND RUN	2.5 / 1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	36.1 / 18	14.75 LB-FT 328	19.8 LB-FT 440	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	0.144 LB-FT^2	0.1 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
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - GE

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

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
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

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DATE: 06/23/2017 05:31:07 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 20-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

145TTDR16365

Submittal

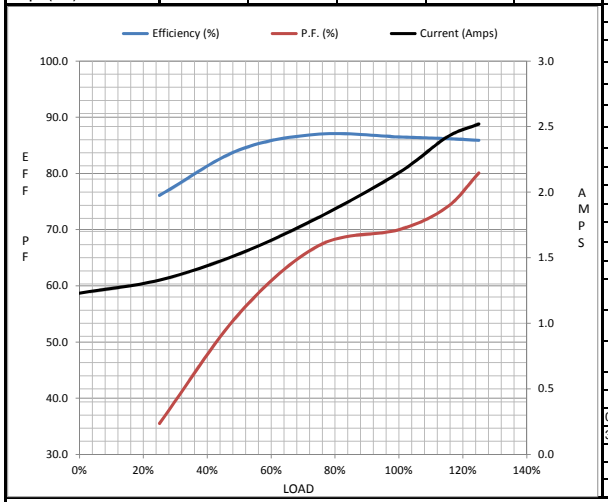
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.23	1.33	1.53	1.81	2.15	2.42	2.52	18.1	
Torque (ft-lb)	0.00	1.13	2.25	3.4	4.5	5.2	5.6	14.8	
RPM	1800	1786	1773	1761	1746	1,740	1732	0	
Efficiency (%)		76.1	84.2	87.0	86.5	86.2	85.9		
P.F. (%)	9.9	35.5	55.1	67.2	70.0	74.0	80.1	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1746	1800
Current (Amps)	18.1	16.0	12.1	2.15	1.23
Torque (ft-lb)	14.8	13.5	19.8	4.5	0.00



Information Block

HP	1.5
Sync. RPM	1800
Frame	140
Enclosure	DP
Construction	TDR
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	28 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.14 Lb-Ft²
Ref Wdg	T634341 DR
Sound Pressure @ 1M	0 dBA
VFD Rating	NONE
Outline Dwg	028992ME-750
Conn. Diag	005010.01
Additional Specifications:	
0	
365THFS8036	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000