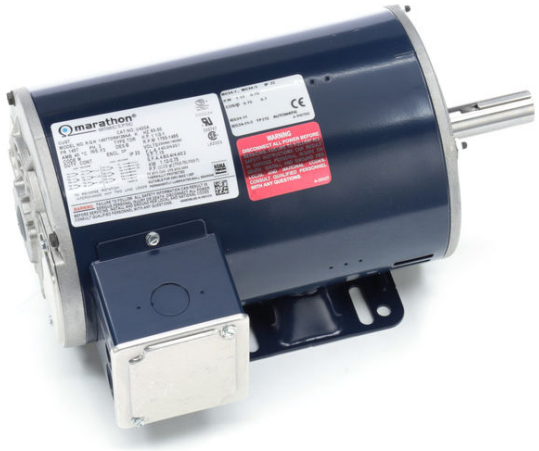
PRODUCT INFORMATION PACKET

Model No: 145TTDR6126
Catalog No: U420A
1 1/2,1800,DP,145T,3/60/230/460
Open Drip Proof (ODP)

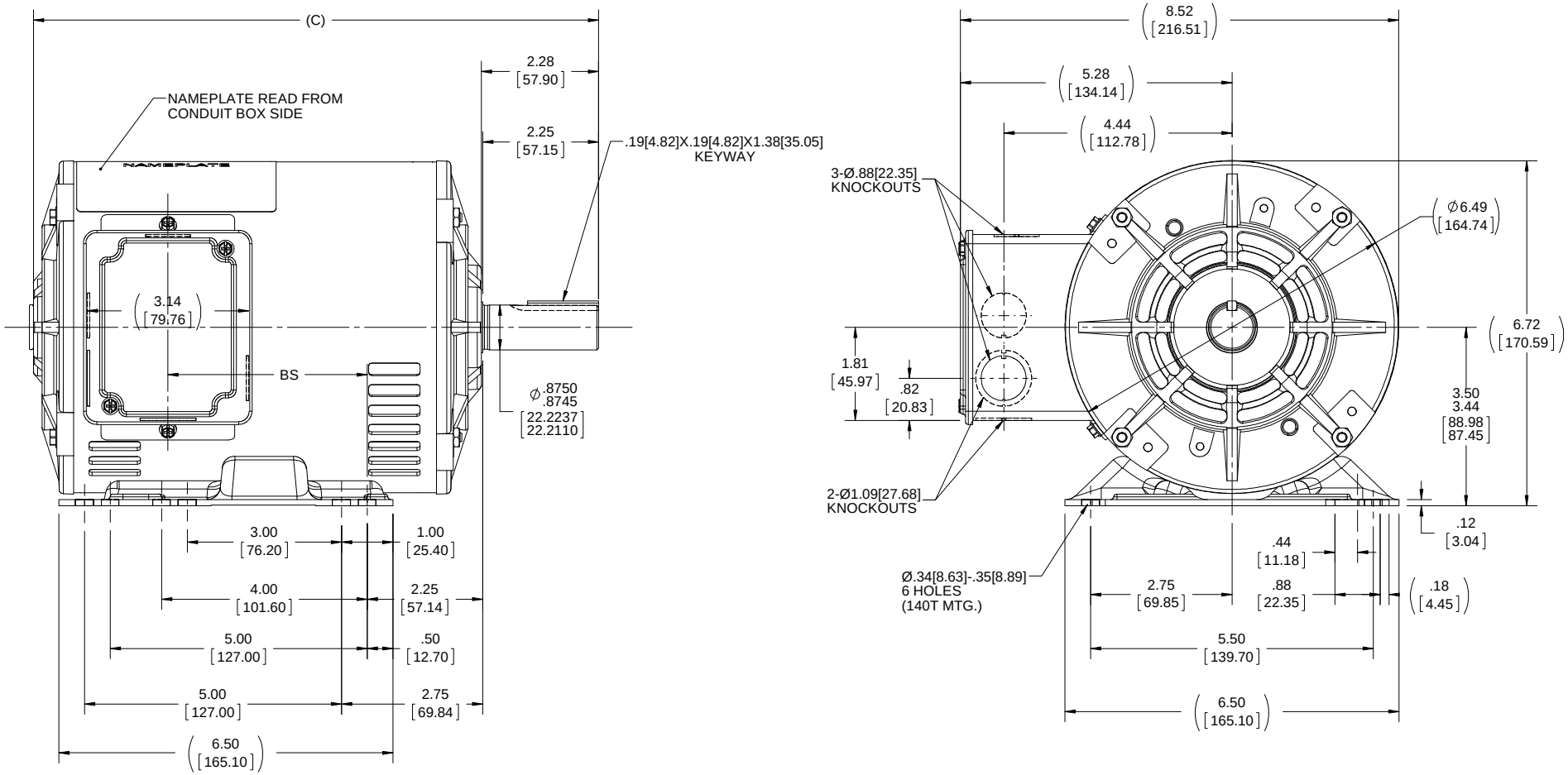


Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**4.4/2.2 A**	Speed	**1755 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**M**	Frame	**145T**
Enclosure	**Drip Proof**	Overload Protector	**Automatic**
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	**12.99 in**	Frame Length	**9.06 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**2.28 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**A-100085-906**	Connection Diagram	**A-EE7335**



NOTES:
1.CONDUIT BOX CAN BE ROTATED 180°.

DASH NO.	"C"	"BS"
706	10.99[279.14]	3.87[98.29]
756	11.49[291.84]	4.37[110.99]
806	11.99[304.54]	4.87[123.69]
856	12.49[317.24]	5.37[136.39]
906	12.99[329.94]	5.87[149.09]
956	13.49[342.64]	6.37[161.79]

DRAWING REVISION: E	REVISION BY: A. KEETHA	DATE: 01-09-2018
ECO: ECO-0143026	APPROVED BY: PST	DATE: 04/11/2018
ECO DESCRIPTION: OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45 °
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY: GK	
DATE: 02-04-1988	
APPROVED BY: FG	
DATE: 02-04-1998	
REFERENCE: 100085	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

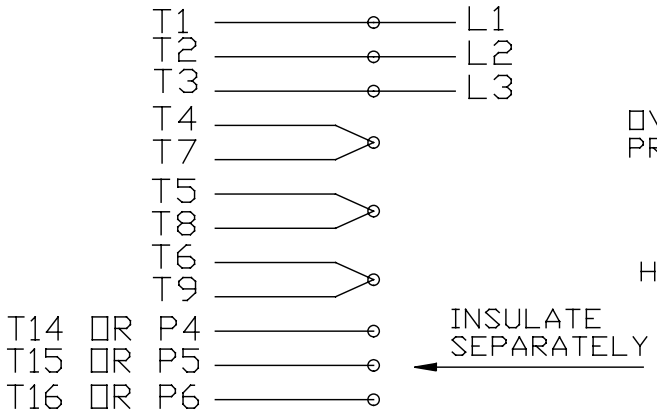
DESCRIPTION: OUTLINE
140T & 56HZ - DR.PR.

MATERIAL | PROCESS/FINISH

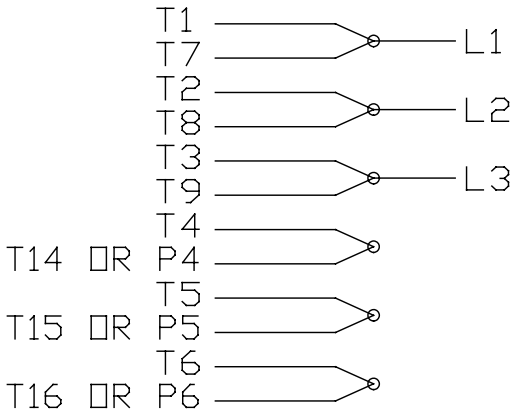
SIZE: B | DRAWING NUMBER: 100085 | SHEET: 1 OF 1

EE7335

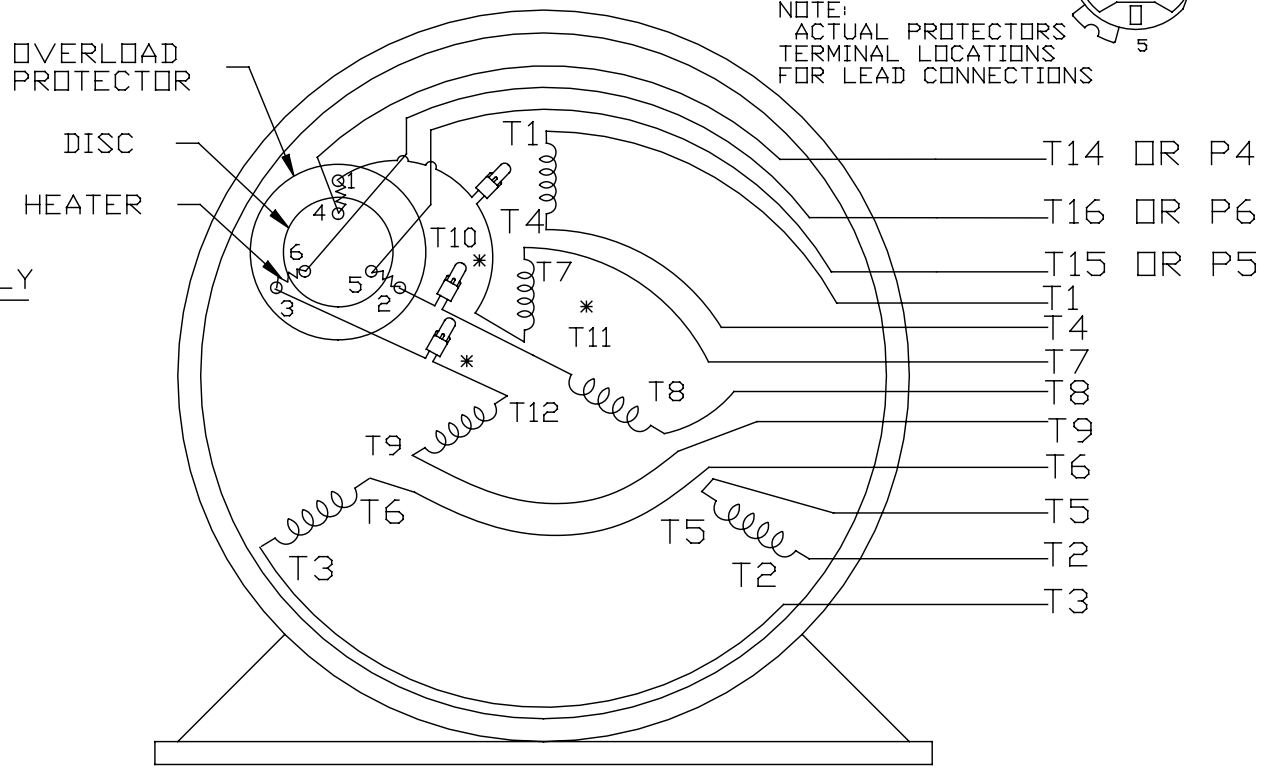
HIGH VOLTAGE CONNECTIONS



LOW VOLTAGE CONNECTIONS



THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR



VIEW OF TERMINAL END

T2K
T4D
T6AN

* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

NO.	REVISION	BY & DATE	CHK
17	CHANGED LOGO FROM MARATHON TO REGAL	KIR 02/16/16	AB
16	PRESSURE CONNECTORS QUANTITY WAS 6	PVR 10/29/13	GR
15	PRESSURE CONNECTORS ADDED	GR 03/04/13	SR
14	ADDED ACTUAL PROCECTOR VIEW CN 17481	KL 05/18/94	
13	REDRAWN IN AUTO CAD	KL 08/11/93	

TOLERANCES UNLESS SPECIFIED

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

REGAL™ Regal Beloit America, Inc.

TITLE: CONNECTION DIAGRAM 3Ø-DUAL VOLT WITH OVERLOAD PROTECTOR

MAT'L.
FINISH
CAD FILE EE7335
RFP
DIST

DRAWN	KL 08-09-1993
CHK	ML 08/10/1993
APPD	GK 08/10/1993
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7335 | REV. 17

CERTIFICATION DATA SHEET

Model#:	145TTDR6126 AA	**WINDING#:**	ZT4258 NONE 3
CONN. DIAGRAM:	A-EE7335	**ASSEMBLY:**	F1 ONLY
OUTLINE:	A-100085-906		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1755&1465	145T	DP	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	4.4/2.2&4.2/2.1	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&85.5	3/4 LOAD EFF: 86	1/2 LOAD EFF: 83.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75&70	3/4 LOAD PF: 67	1/2 LOAD PF: 54.5	84	SQ CAGE IND RUN	2.5 / 1.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	39.6 / 19.8	16.65 LB-FT 370	21.65 LB-FT 481	32

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	0 LB-FT^2	10 LB-FT^2	20 SEC.	2	43 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	BLUE (POWDER)

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	AUTOMATIC	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
- FT-LB NONE V NONE Hz

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DATE: 06/23/2017 06:54:12 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/19/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

145TTDR6126

Submittal

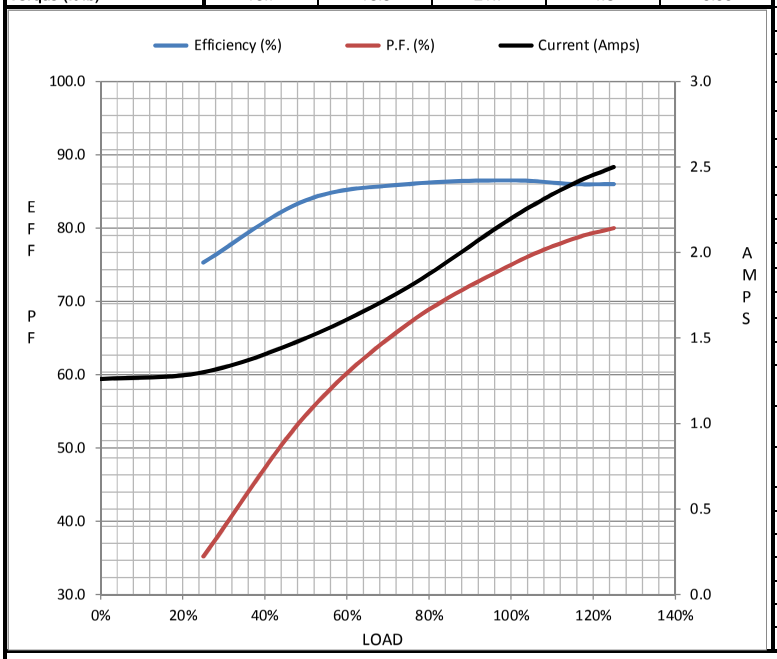
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.26	1.30	1.50	1.80	2.20	2.40	2.50	19.8	
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.2	5.7	16.7	
RPM	1800	1788	1775	1765	1755	1,745	1740	0	
Efficiency (%)		75.3	83.8	86.0	86.5	86.0	86.0		
P.F. (%)	9.3	35.2	54.5	67.0	75.0	78.5	80.0	68.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	120	1220	1755	1800
Current (Amps)	19.8	20.2	13.1	2.20	1.26
Torque (ft-lb)	16.7	16.6	21.7	4.5	0.00



Information Block

HP	1.5
Sync. RPM	1800
Frame	145
Enclosure	DP
Construction	TDR
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	M
Service Factor	1.15
Temp Rise @ FL	28 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	ZT4258 NONE
Sound Pressure @ 1M	56 dBA
VFD Rating	NONE
Outline Dwg	A-100085-906
Conn. Diag	A-EE7335
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