

PRODUCT INFORMATION PACKET

Model No: 145T11TCR60007A1
Catalog No: E462A
1,1150,TENV,145T,3/60/230/460
Severe Duty



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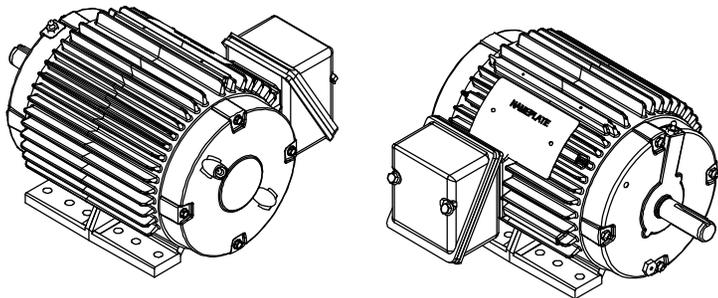
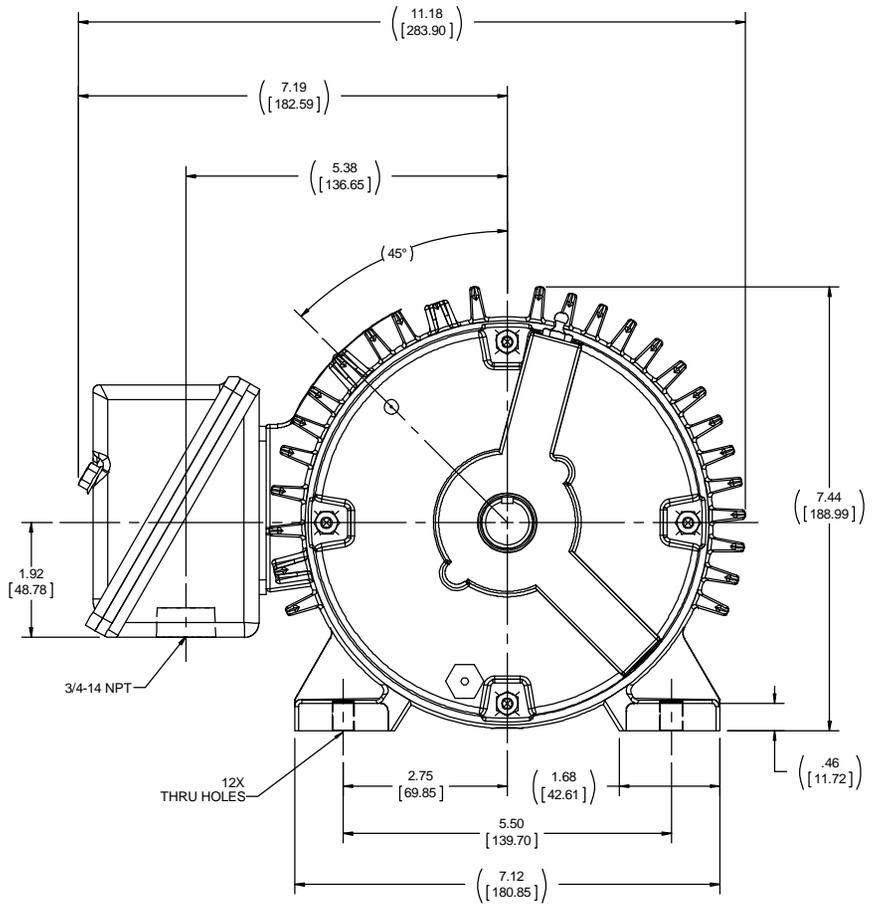
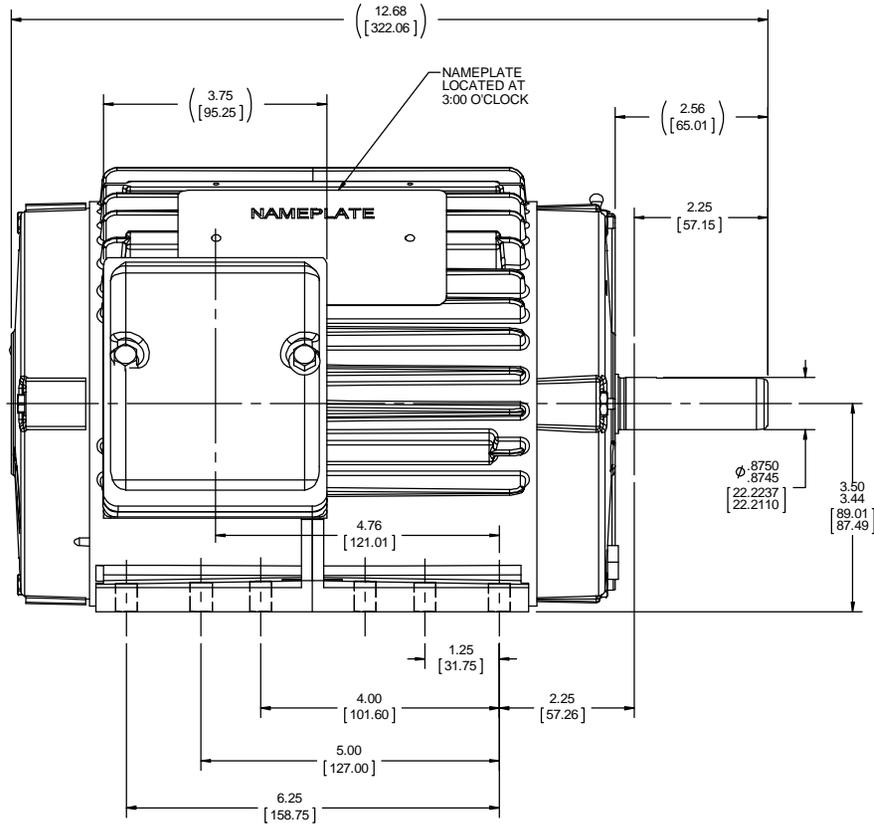
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.6/1.8 A	Speed	1150 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	145T
Enclosure	Totally Enclosed Non Ventilated	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	54		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Shaft Diameter	0.875 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	OL56100504-001	Connection Diagram	CDTD127

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DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE	DRAWN BY D. SURYAWANSHI	 Regal Beloit America, Inc.
ECO-0143359	APPROVED BY	DATE	.X ±0.1 [2.5] 0.5° .XX ±0.02 [0.51] .XXX ±0.005 [0.127] .XXXX ±0.0005 [0.0127]	DATE 07/26/2018	
ECO DESCRIPTION NEW MODEL RELEASE			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51]	APPROVED BY PVR	DESCRIPTION OUTLINE
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				REFERENCE OL56100504	MATERIAL
				THIRD ANGLE PROJECTION	PROCESS/FINISH
				SIZE C	DRAWING NUMBER OL56100504-001
					SHEET 1 OF 1

4

3

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2

1

B

B

A

A

VIEW OF TERMINAL END

NOTE:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10123-001

CCW LOW VOLTAGE

001

CCW HIGH VOLTAGE

002

DRAWING REVISION C	REVISION BY G. RODRIGUEZ	DATE 03-14-2018
ECO ECO-0141431	APPROVED BY J. A. MORENO	DATE 03-14-2018
ECO DESCRIPTION ADD DD10123-001, REMOVE DD100123-001		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[+2.5]	±0.5°
.XX	±0.01	[+0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [.076/.381]			
CORNER FILLETS: .02 [.51]			
MACHINED SURFACES: 125/3.2			
mm SHOWN IN [BRACKETS]			

DRAWN BY G. RODRIGUEZ	DATE 12-01-2017
APPROVED BY J. A. MORENO	DATE 12-01-2017
REFERENCE CDTD103	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTD127
SHEET 1 OF 1	

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CERTIFICATION DATA SHEET

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

CONN. DIAGRAM: CDTD127

MODEL #: 145T11TCR60007A1 A

OUTLINE: OL56100504-001

MOUNTING: F1/F2 CAPABLE

WINDING #: ZT6152 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
1	0.75	1200	1150	145T	TENV	J	B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	3.6/1.8	LINE OR INVERTER	CONTINUOUS	F2	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	82.5	1/2 LOAD EFF:	81.5	GTD. EFF	80	ELEC. TYPE	
FULL LOAD PF:	63	3/4 LOAD PF:	53.2	1/2 LOAD PF:	41.1			SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	20 / 10	12.45 LB-FT	226 %	16.25 LB-FT
				295 %
				40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
58 DBA	68 DBA	0.14 LB-FT^2	- LB-FT^2	- SEC.	-	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	PREMIUM SEVERE DUTY	DIVISION 2 TZB	FALSE	NONE	BLUE (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1215 (NS1000)	CAST IRON
6205	6203						

THERMO-PROTECTORS						
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE
						VOLTS

INVERTER TORQUE: CONSTANT 10:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

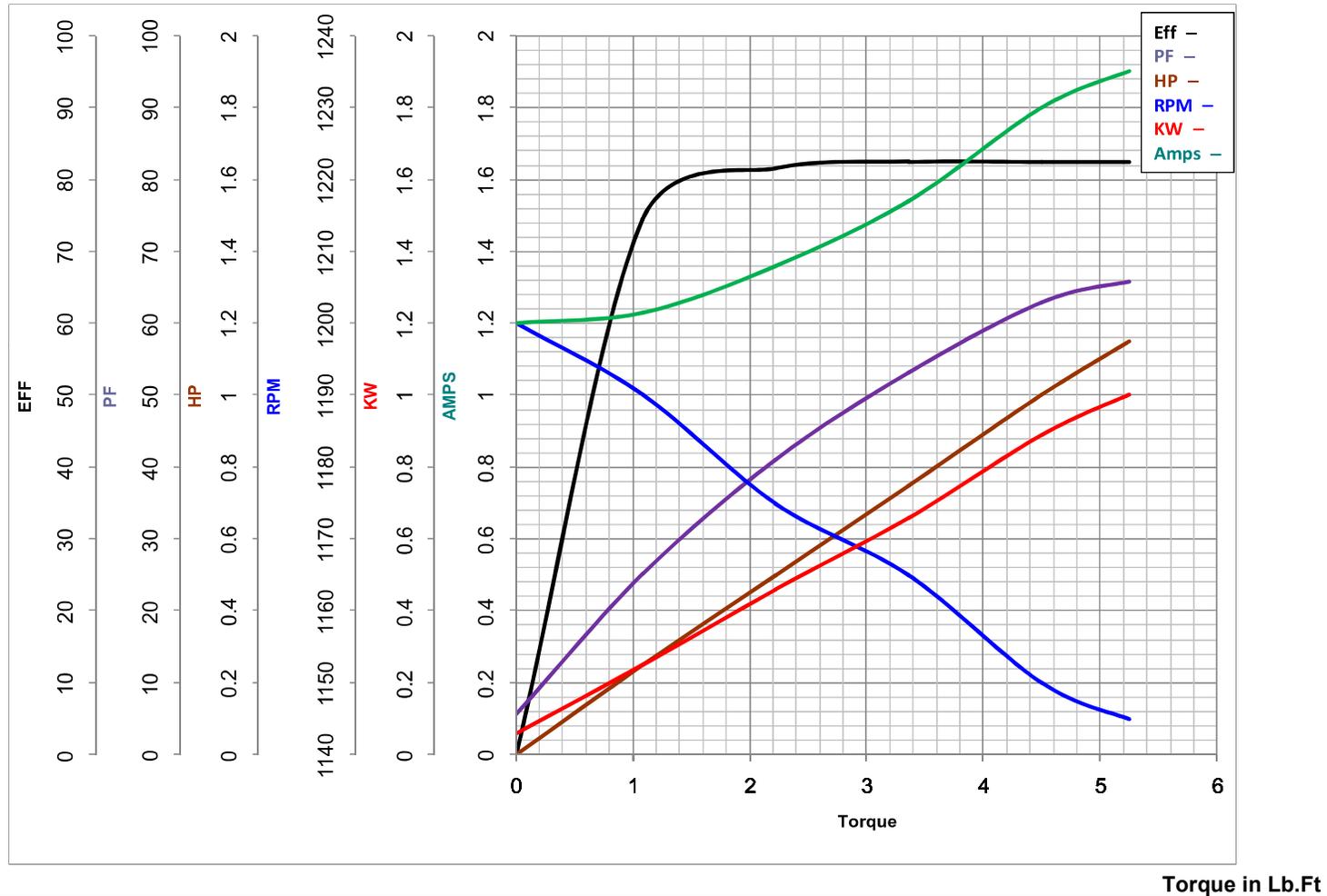
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE HZ

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 1.00 PHASE 3
 Model No 145T11TCR60007A1 60 HZ
1 HP VOLTS 230/460
 Catalog No E462A HZ 60 RPM 1150



FL TORQUE	<u>4.5</u>	Lb.Ft	FL AMPS	<u>3.6/1.8</u>	
BD TORQUE	<u>16.3</u>	Lb.Ft	PU TORQUE	<u>12.1</u>	Lb.Ft
LR TORQUE	<u>12.45</u>	Lb.Ft	LR AMPS	<u>10</u>	
WINDING	ZT6152-3	Prepared By	ANUSHA.M	Date	11/5/2018