# **PRODUCT INFORMATION PACKET**

Model No: 145TTDR6039 Catalog No: U246 General Purpose Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 145T Frame, DP



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Product Information Packet: Model No: 145TTDR6039, Catalog No:U246 General Purpose Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 145T Frame, DP

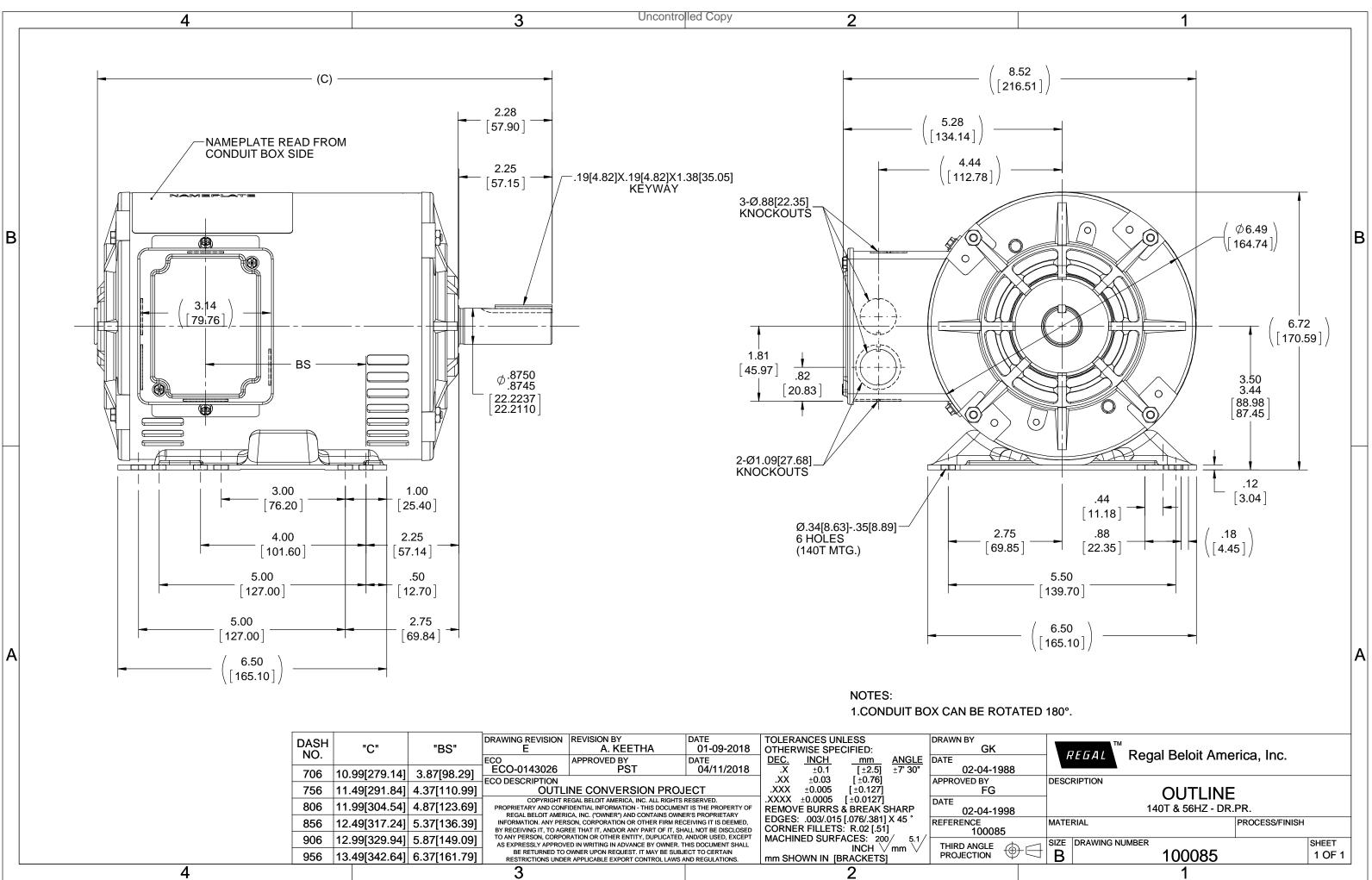
## Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.6/2.8 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	78.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	L
Frame	145T	Enclosure	Drip Proof
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

# **Technical Specifications**

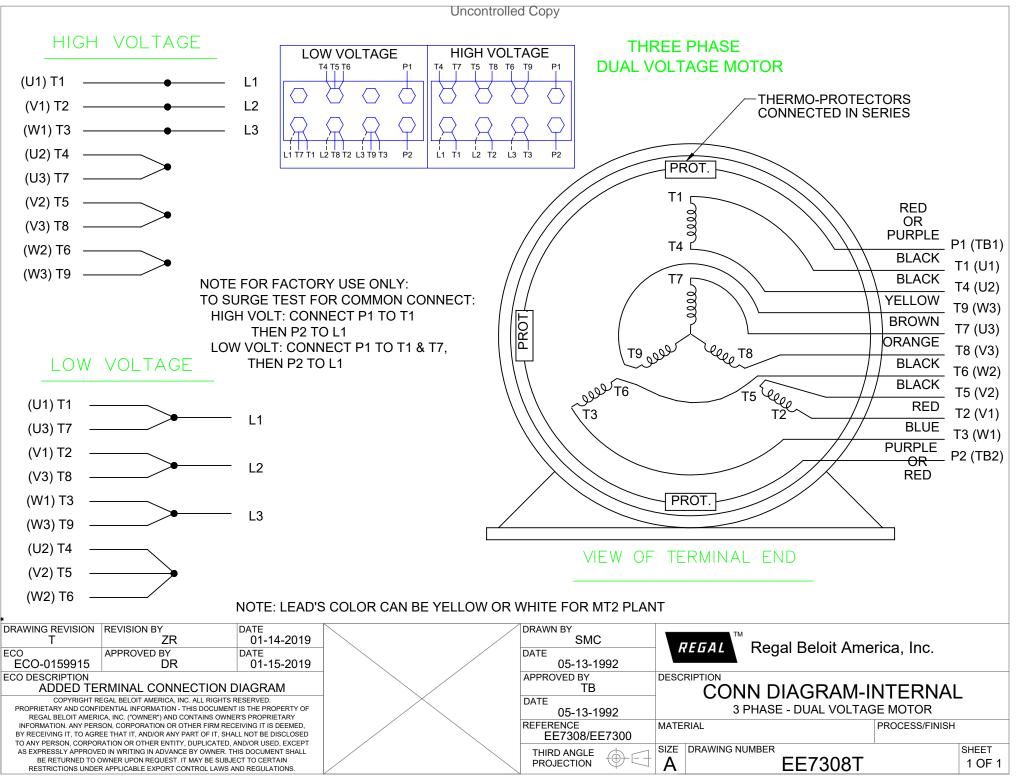
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	7.6 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	10.99 in
Frame Length	7.06 in	Shaft Diameter	0.875 in
Shaft Extension	2.28 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7308T	Outline Drawing	A-100085-706

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#### **CERTIFICATION DATA SHEET**

Model#:	145TTDR6039 AB	WINDING#:	ZT224 DR 3
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1 ONLY
OUTLINE:	A-100085-706		

OUTLINE:

**TYPICAL MOTOR PERFORMANCE DATA** 

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&2	1.49&1.49	3600	3510&2895	145T	DP	L	В
				·			

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	5.6/2.8&6.4/3.	LINE OR	CONTINUOU	F3	1.15/1.15	40	3300
		380	2	INVERTER	S				

FULL LOAD EFF: 86.5&84.5	3/4 LOAD EFF: 86	1/2 LOAD EFF: 83	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.5&84.5	3/4 LOAD PF: 71	1/2 LOAD PF: 58	84	SQ CAGE INV RATED	3 / 1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	48.4 / 24.2	9 LB-FT 300	12.8 LB-FT 427	38

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.034 LB-FT^2	4 LB-FT^2	15 SEC.	2	30 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	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1144	ROLLED STEEL
6205	6203					STRESSPROOF	
0200						(C-223)	

	THERMO-PF	OTECTORS	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

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

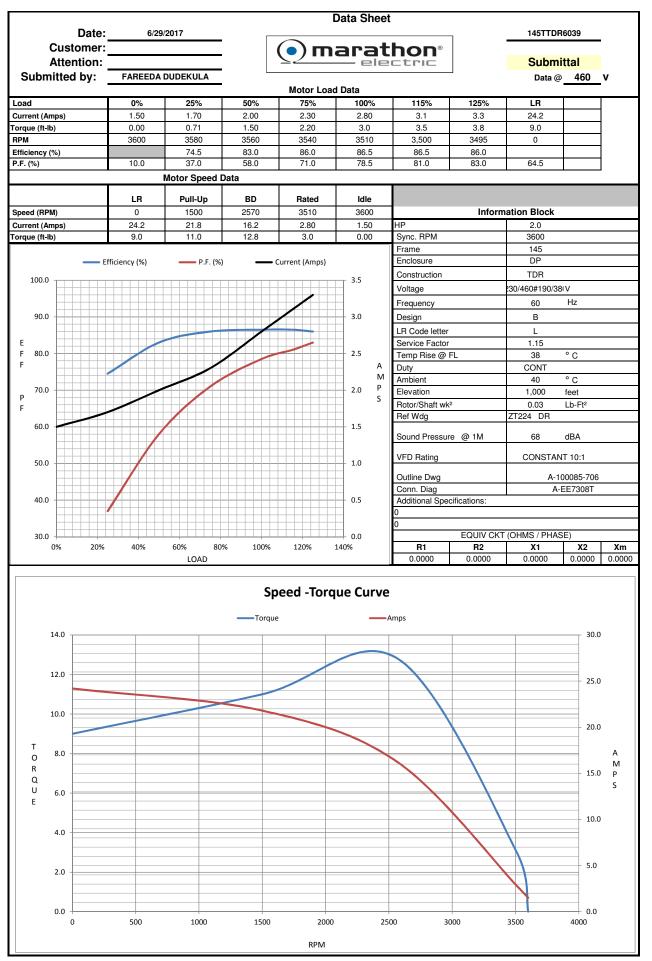
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\*\* Subject to change without notice.

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# **EC Declaration of Conformity**

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 145TTDR6039

(Model No. may contain prefix and/or suffix characters)

Catalog No : U246

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer