PRODUCT INFORMATION PACKET



Model No: 254TTDBD6001 Catalog No: GT0061 Globetrotter® General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 254T Frame, DP



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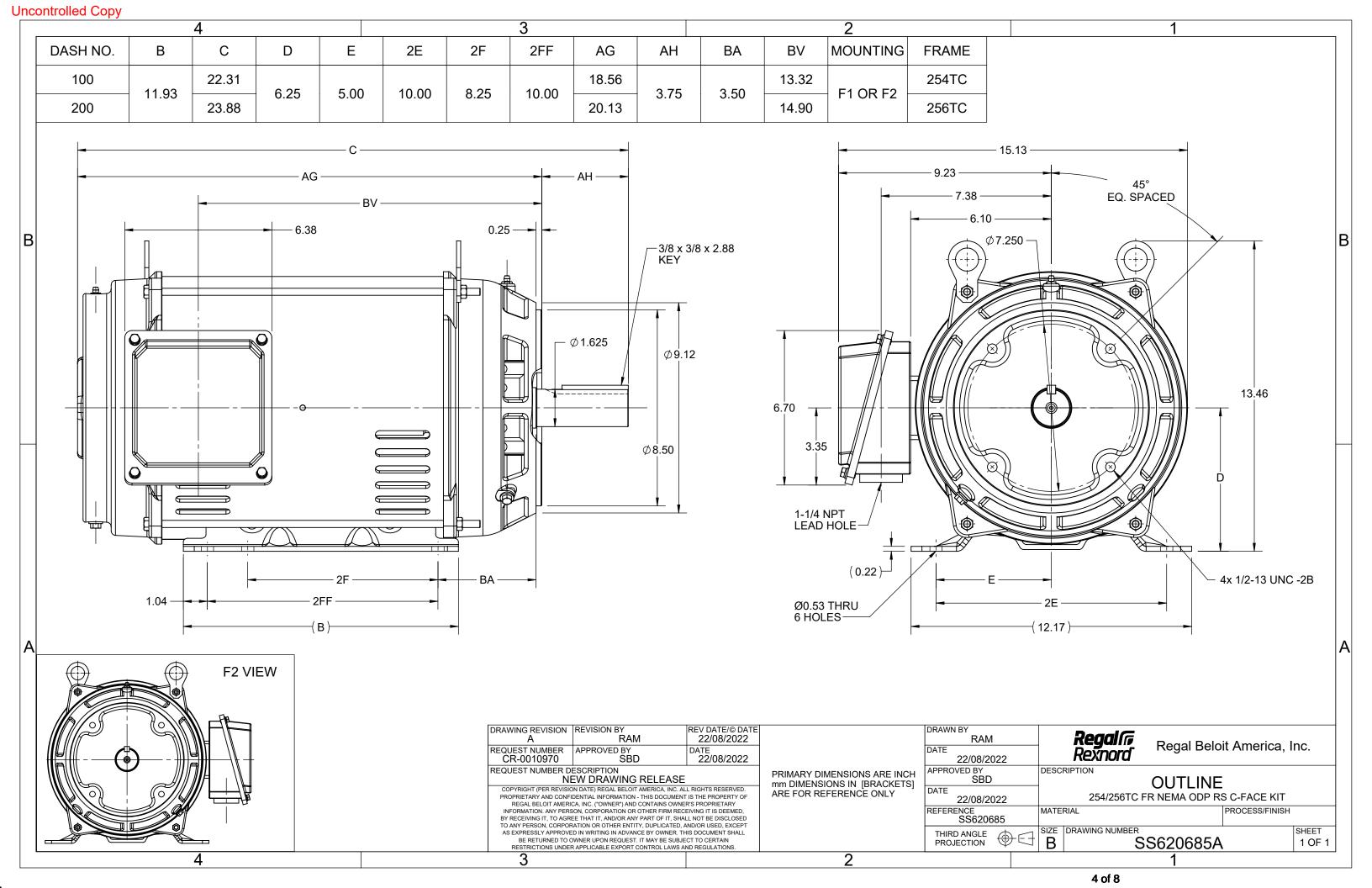
Nameplate Specifications

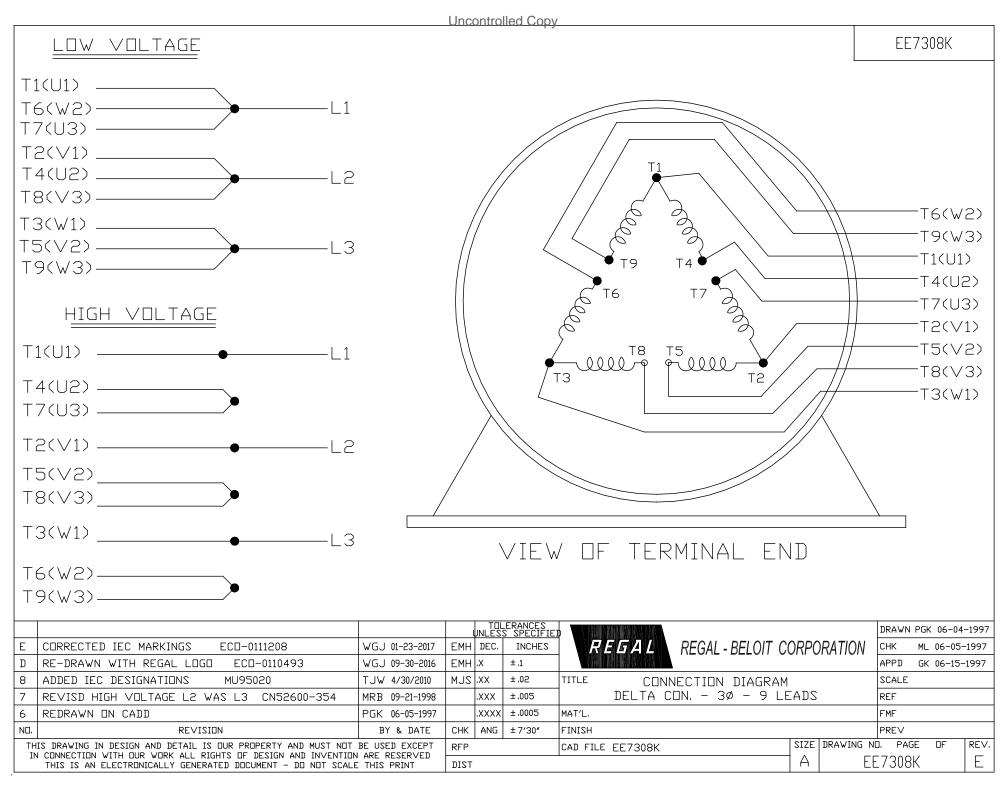
Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	3552 & 2958 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 91.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24 & 45/22.5 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Υ
CE	Υ	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	.64 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	22.64 in
Frame Length	10.62 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS620685-100	Connection Drawing	EE7308K

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

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CERTIFICATION DATA SHEET CUSTOMER PO#:

CUSTOMER: ORDER #: **MODEL #:** 254TTDBD6001

CUSTOMER PART CONN. DIAGRAM: EE7308K

MOUNTING: F1/F2 CAPABLE OUTLINE: SS620685

WINDING #: HE31602015

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	3600	3552&2958	254T	DP	F	В

L	PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
	3	60/50	230/460&190/380	48/24&45/22.5	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91&91	3/4 LOAD EFF:	91	1/2 LOAD EFF:	90.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85.5&84.5	3/4 LOAD PF:	80.5	1/2 LOAD PF:	69.5	90.2	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.6 LB-FT	274 / 137	52 LB-FT 176 %	74 LB-FT 250 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	1.1 LB-FT^2	- LB-FT^2	15 SEC.	3	300 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 (ENAMEL)

BEAR	INGS	CDEACE	CHAFT TYPE	CDECTAL DE	SHAFT		FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	_	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6209	6208	POLIKEX EM	'	NONE	INOINE	1045 HOT ROLLED (C-204)	KOLLED STEEL

	THERMO-PROTE	THERMISTORS	CONTROL	SPACE HEATERS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	INERMISIONS	CONTROL	SPACE REATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

INVERTER

TORQUE: CONSTANT 2:1/VARIABLE 20:1 INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE PPR NONE NONE

BRAKE: NONE NONE P/N NONE NONE NONE NONE

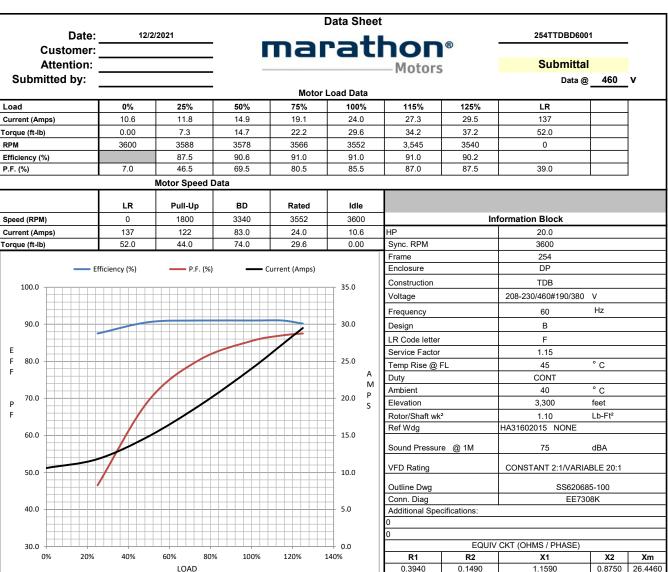
FT-LB s NONE NONE ٧ NONE Hz

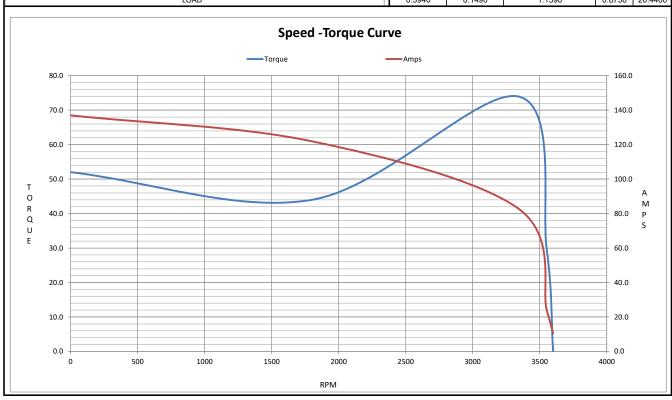
PREPARED BY: Anusha Muthyala **DATE:** 05/04/2018 03:17:41 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

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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: 254TTDBD6001

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

Catalog No: GT0061

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

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

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer