PRODUCT INFORMATION PACKET



Model No: 254TTDBD6007 Catalog No: GT0461

Globetrotter® Close-Coupled Pump Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 254JM Frame, DP









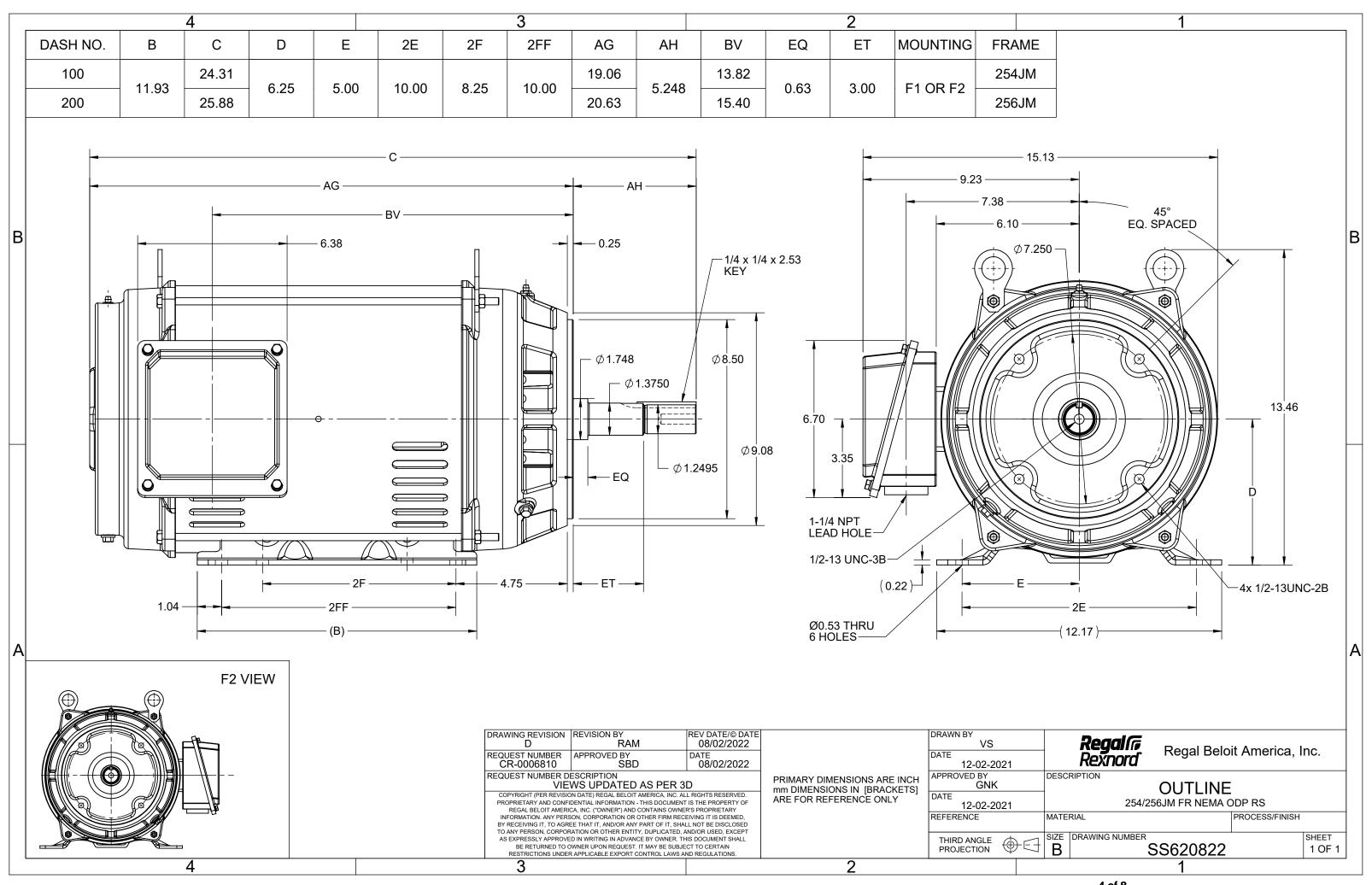
Nameplate Specifications

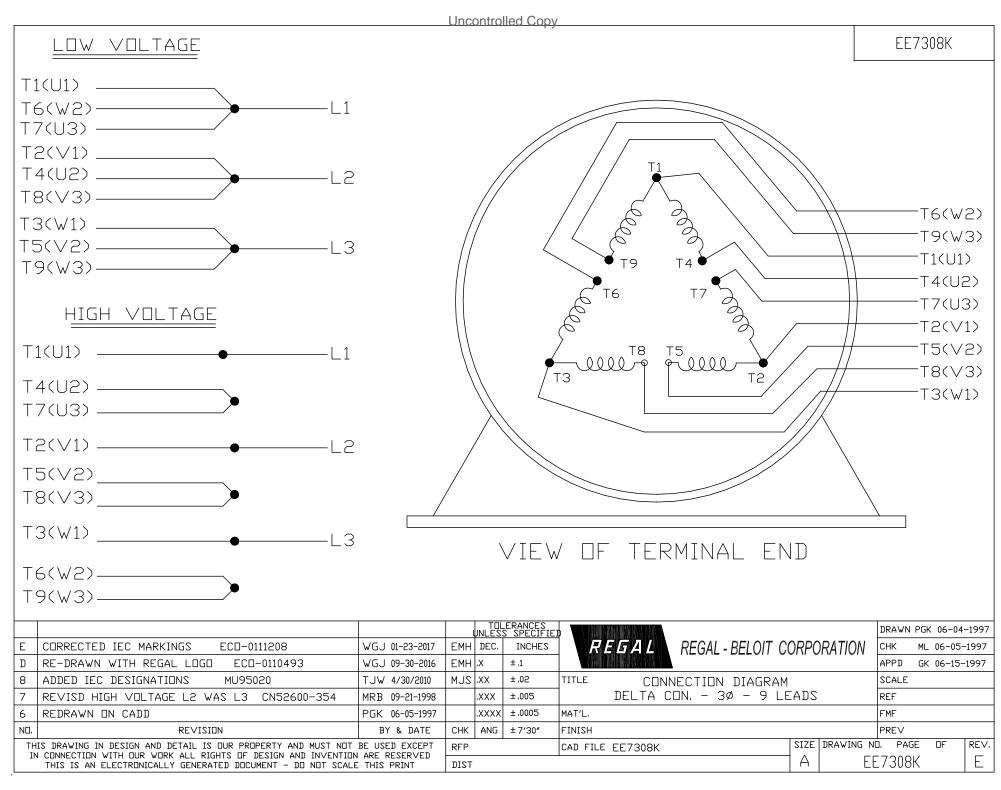
Phase	3	Output HP	20 & 15 Hp	
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V	
Speed	3552 & 2958 rpm	Service Factor	1.15 & 1.15	
Frame	254JM	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	91 & 91.2 %	
Ambient Temperature	40 °C	Frequency	60 & 50 Hz	
Current	48/24 & 45/22.5 A	Power Factor	85.5	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Drive End Bearing Size	6309	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	JM	Overall Length	24.41 in	
Frame Length	10.62 in	Shaft Diameter	1.249 in	
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 CAPABLE	
Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	EE7308K	Outline Drawing	SS620822-100	

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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 #:** 254TTDBD6007

CUSTOMER PART CONN. DIAGRAM: EE7308K

OUTLINE: \$\$620822-254 **MOUNTING:** F1/F2 CAPABLE

WINDING #: HE31602015 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	3600	3552&2958	254JM	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
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAR	INGS	CDEACE	CHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL	
6309	6208	POLTREX EM	انال	NONE	NONE	1043 HOT ROLLED (C-204)	ROLLED STEEL	

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

INVERTER

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

ENCODER: NONE 0 NONE NONE PPR

NONE NONE BRAKE: NONE NONE P/N NONE NONE

NONE

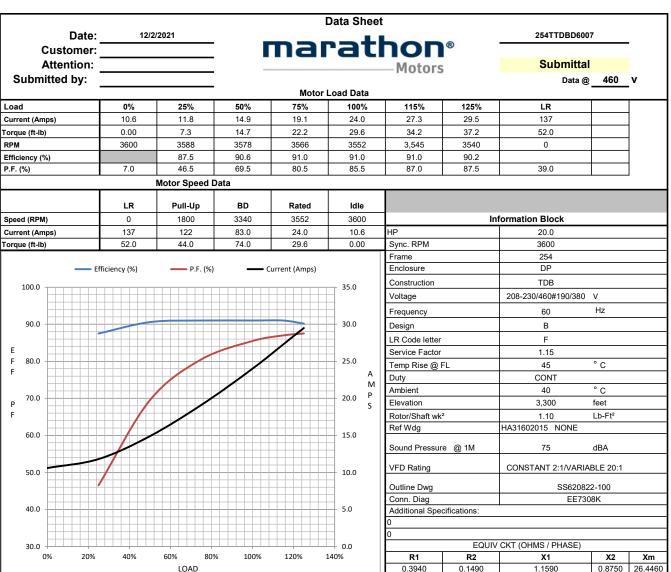
NONE

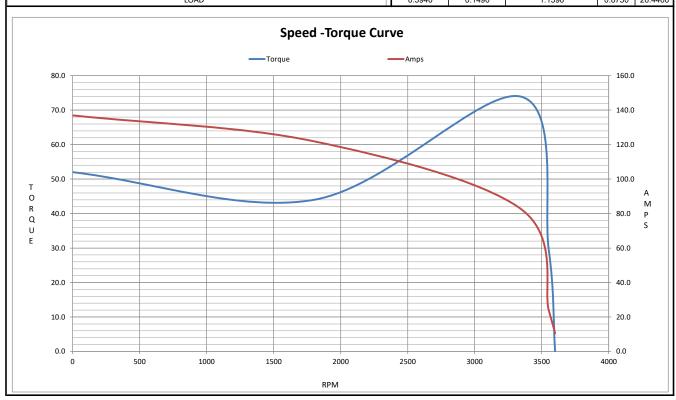
FT-LB s NONE NONE ٧ NONE Hz

PREPARED BY: Fareeda Dudekula **DATE:** 05/07/2018 04:11:50 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: 254TTDBD6007

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

Catalog No: GT0461

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:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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