PRODUCT INFORMATION PACKET

Model No: 256TTFL16038 Catalog No: E2124-P General Purpose Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256T Frame, TEFC



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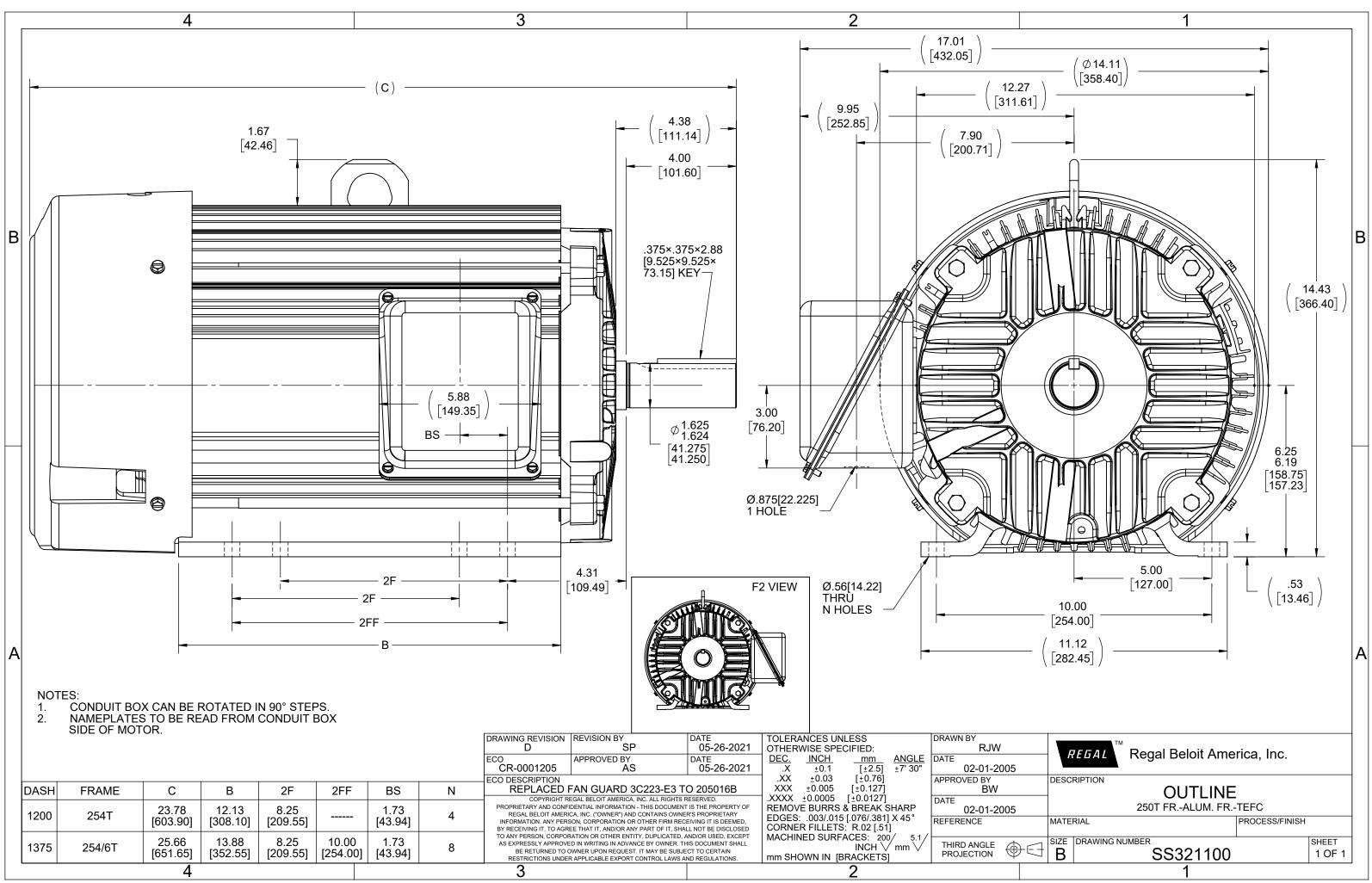
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	48.0/24.1 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.474 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	т	Overall Length	25.26 in
Frame Length	13.75 in	Shaft Diameter	1.625 in
Shaft Extension	4.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7308	Outline Drawing	B-SS321100-1375

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CERTIFICATION DATA SHEET

Model#:	256TTFL16038 AN	WINDING#:	K2564164 R26 6
CONN. DIAGRAM:	A-EE7308	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS321100-1375		

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw	SYN	IC. RPM		F.L. RPM	FRAME	EN	CLOSURE	KVA	CODE	DESIGN
20&20	14	4.9&14.9		1800		1775&1450	256T		TEFC	(G	В
РН	Hz	vo	LTS	FL A	MPS	START TYPE	DUTY	INSL		6.F	AMB°C	ELEVATION
3	60/50	230/46	60#190/	48/24.18	&57/28	LINE OR	CONTINUOU	F3	1.15	5/1.15	40	3300
		3	80	5	5	INVERTER	S					
FULL LOAI 93&91		3/4 LOAD	EFF: 93	3.6	1/2 LO	AD EFF: 93	GTD. E	FF	ELEC	. TYPE	NO	LOAD AMPS

FULL LOAD PF: 84&86	3/4 LOAD PF: 81	1/2 L(DAD PF: 72	92.4		SQ CAGE INV RAT	ED 17 / 8.5
F.L. TORQUE	LOCKED ROTOR	RAMPS	L.R. TO	DRQUE	B.	D. TORQUE	F.L. RISE°C
59.2 LB-FT	276 / 138		104 LB	-FT 176	14	6 LB-FT 247	65

© 3 FT.	SOUND POWER	ROTOR WK ²	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	3.2 LB-FT^2	125 LB-FT^2	25 SEC.	2	425 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)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT	ALUMINUM
6309	6208]				ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	MOSTATS PROTECTORS WDG RTDs		BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

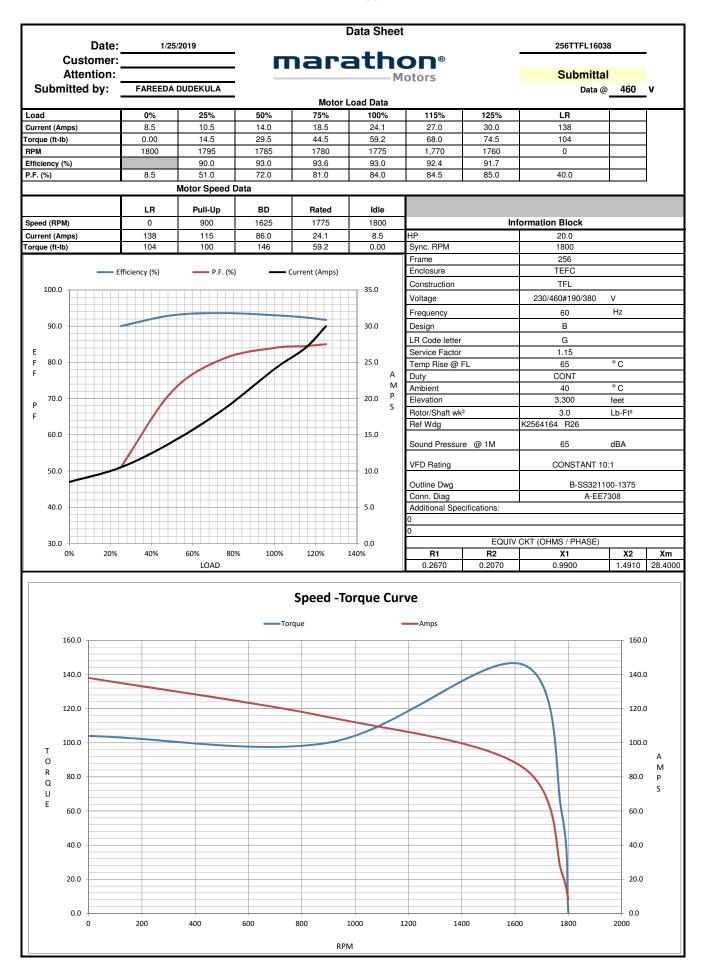
INVERT	INVERTER TORQUE: CONSTANT 10:1						
INV. HP	SPEED RAN	IGE: NON	IE				
ENCODE	ER: NONE						
NONE	NONE						
NONE	NONE PPR						
BRAKE:	NONE	NONE					
NONE	P/N NC	DNE					
NONE	NONE						
- FT-LB	NON	IE V	NONE Hz				

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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 : 256TTFL16038

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

Catalog No : E2124-P

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