PRODUCT INFORMATION PACKET



Model No: 256TTFCD6501 Catalog No: E606A

XRI®-SD Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 256T Frame, TEFC



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Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW			
Frequency	60 Hz	Voltage	460 V			
Current	23.7 A	Speed	3540 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91 %	Power Factor	87.5			
Duty	Continuous	Insulation Class	Н			
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	6209			
UL	Listed	CSA	Υ			
CE	Υ	IP Code	55			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.546 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS208560-200	Connection Drawing	EE7300

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Uncontrolled Copy DASH NO. С Ε 2FF BS MOUNTING FRAME 2E 2F BA 24.15 4.13 100 9.60 8.25 254T 5.00 10.00 4.25 F1 OR F2 25.89 10.00 254/256T 200 11.34 8.25 5.00 - 19.64 -12.46 9.17 2.09 0.14 Θ 3/8 x 3/8 x 2.88 KEY 15.22 6.96 7.95 \emptyset 1.625 3.82 6.25 1-1/4 NPT LEAD HOLE-0.82 -4.00 0.67 — (12.40 Ø 0.53 THRU 8 HOLES (254 WILL HAVE ONLY 4 HOLES) F2 VIEW DRAWN BY
BISWA DRAWING REVISION BY BISWA REV DATE/© DATE 10/07/2020 Regal Beloit America, Inc. REGAL ECO-0194249 APPROVED BY GNK DATE 10/07/2020 26/09/2018 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

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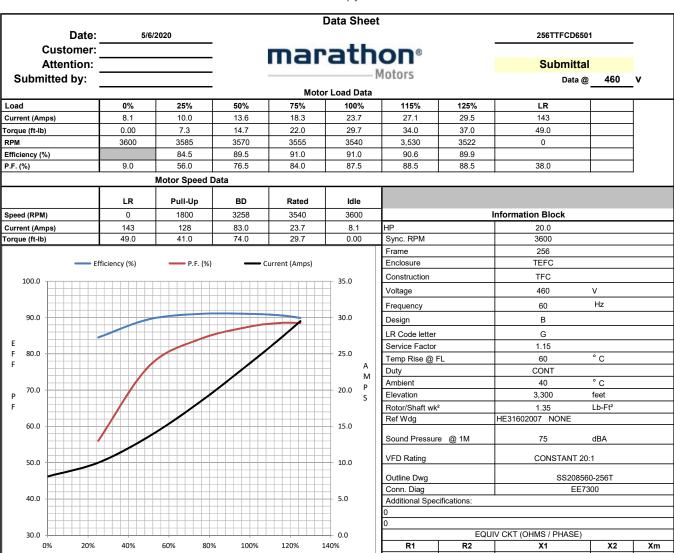


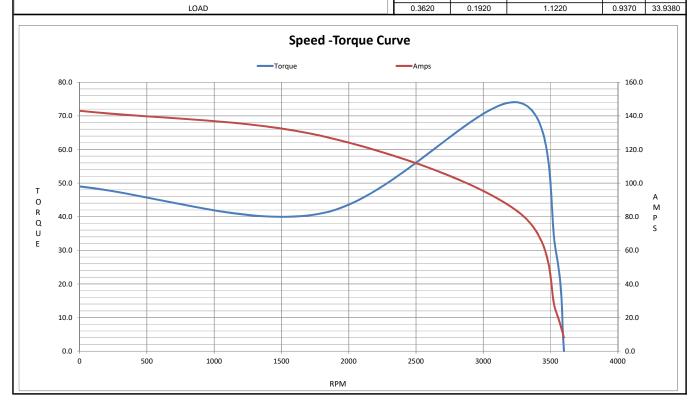
DATA VOLTS: 460

CERTIFICATION DATA SHEET

3 60 460 23.7							CE	ERTIFICATION DATA	A SHE	ĒΤ				
Note	OUTLINE:		SS208560		NONE	5				CAT #:	E606A			
PH						-	TYPICA	L MOTOR PERFOR	MANC	E DATA				
PH	НР	KW	SYN	C RPM	3540		256T		TEFC		TYPE KVA COD		DE	DESIGN
3 60 460 23.7	20	14.9	3	600								G		В
F.L. EFF 91.0 3/4 LD EFF 91.0 1/2 LD EFF 89.5 GTD EFF ELECT. TYPE	PH	HZ	VC	DLTS								S.F.	AMB (° C)	ELEV. (Ft)
F.L. PF 87.5 34 LD PF 84.0 1/2 LD PF 76.5 90.2 SQ CAGE INV RATED F.L. TORQUE	3	60	4	160	23.7	7	L	INE OR INVERTER	-	CONT	Н	1.15	40	3300
F.L. TORQUE														
29.7 LB-FT	F.L. TO	ORQUE	LI	R AMPS @	460 V		L.R	. TORQUE		B.D. TORQUE		F.L. RISE ((° C)	
Total						49.0			74.0					
### SUPPLEMENTAL INFORMATION *** DEBRACKET TYPE					-						ST			MOTOI
DE BRACKET TYPE					,			1					1 333	
BEARINGS GREASE	ODE BRACKET MOUNT MOTOR					HAZ	HAZARDOUS DRIP				PAINT			
DE	STANDARD STANDARD		NDARD	RIGID	HORIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B NO		NO	NONE	BLUE (EPOXY)		
THERMOSTATS		GREASE		SHAFT TYPE			SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL		
NONE NOT NONE N			POLY	REX EM	Т			NONE	ı	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
NONE NOT NONE NONE NONE FALSE NA	THERM	OSTATS	PROTI	ECTORS	WDG R	TD's		BRG RTD's	THEF	RMISTORS		CONTROL	SPACE	HEATERS
0.362 0.192 1.122 0.937 33.938 0.080	NC	ONE	N	ОТ	NON	ΙE		NONE	ı	NONE		FALSE		NA
N														
E	N O								ļ	INVERTER	TORQUE:	CONSTANT 20:1	rther informati	on
PREPARED BY: ANUSHA M NONE NONE DATE: 3/31/2020 FT-LB: NA	E									NONE	NONE		NONE	PPR
	PREP									NON				н

FORM: 3531 REV_4 2/27/06
** Subject to change without notice







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: 256TTFCD6501

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

Catalog No: E606A

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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