PRODUCT INFORMATION PACKET



Model No: 256THFCD19056 Catalog No: W553A-P

XRI®-841 Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 256T Frame, TEFC



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Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW 460 V			
Frequency	60 Hz	Voltage				
Current	24.2 A	Speed	1768 rpm			
Service Factor	1.15	Phase	3			
Efficiency	93 %	Power Factor	83.5			
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	Recognized	CSA	Υ			
CE	Υ	IP Code	56			
Number of Speeds	1					

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	.513 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 10:1/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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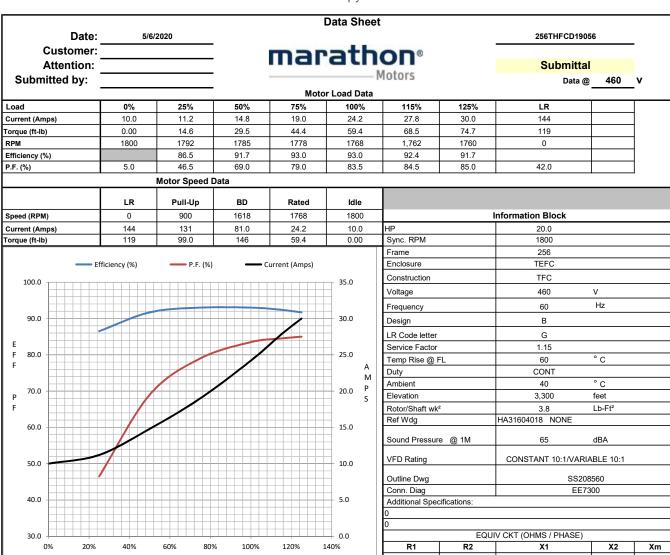


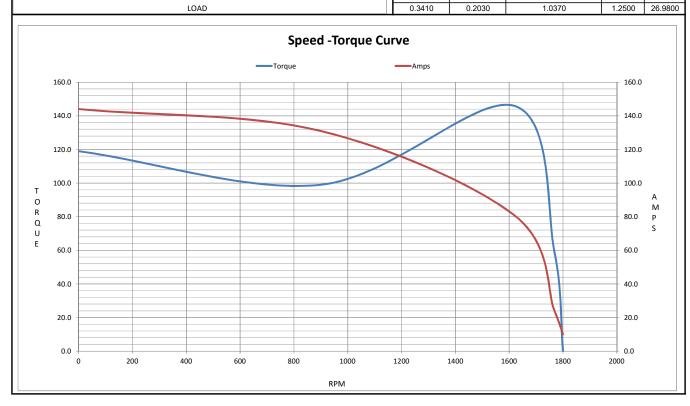


DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DI. OUTLINE: WINDING:	:	EE7300 SS208560 HA3160401	8 NONE	8		R		CAT #:	256THFCD190 W55 F1/F2 CAPABL	53A-P		-	
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA				I	
HP	кw	SYNC RPM	FL R	PM		FRAME	ENCLOSURE		TYPE	KVA CO	DDE	DESIGN	
20	14.9	1800	1768		256T		TEFC		TFC G		В		
PH	HZ	VOLTS	AMF	rs.		START TYPE	DUTY		INSL	INSL S.F. AMB (° C)		FLEV (F	
3	60	460		24.2 LINE OR INVERTER		CONT		Н	1.15	40	3300		
	F.L. EFF	93.0	3/4 LD EFF	93.0		1/2 LD EFF	91.7	GTD EFF	1	ELECT. T	/PE		
	F.L. PF	83.5	3/4 LD PF	79.0		1/2 LD PF	69.0	92.4		SQ CAGE INV	RATED		
F.L. T	ORQUE	LR AMP	s		LR	. TORQUE		B.D. TORQ	DUE	F.L. RISE	(°C)	l	
	LB-FT	144	-	119	LB-FT	200%	146	LB-FT	246%	60	. 5,		
SOLIND P	PRESSURE	SOUND	ROTOR	WK ²		MAX. LOAD WK ²	SAFF S	TALL TIME	START	S/HOUR	ΔΡΙ	SUX	
65	dBA	74 dBA		LB-FT ²	125	LB-FT ²	20	SEC.	JIAKI	2	APROX. 344 LB.		
			`		*** 0115	DI FMENTAL INFORMA	TION ***				•		
			*** SUPPLEMENTAL INFORMATION *** DTOR HAZARDOUS ITATION SEVERE DUTY LOCATION		DRIP COVER SCREENS PA		INT						
	NDARD				PREMIUM SEVERE DUTY		ONE	NO	NONE	PAINT BLUE (EPOXY)			
DEA	RINGS		1						T		I		
DE	ODE	GREASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT	SHAFT MATERIAL		FRAME MATERIAL	
BALL 6309	BALL 6209	POLYREX EM	Т		NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON		
THERMOSTATS NONE		PROTECTORS NOT	WDG R		BRG RTD'S THERMISTORS CONTROL NONE NONE FALSE			SPACE HEATERS NA					
D4 (-1	h (t-)	D0 (-b(-b)	V4 (-b	- (l-)		V0 (-b(-b)	V /-	. l / . l. \	VIDDATI	ON (! !)	1		
		R2 (ohms/ph) 0.203	X1 (ohm 1.03		X2 (ohms/ph) 1.25		Xm (ohms/ph) 26.98		VIBRATION (in/sec) 0.080				
* N O T							If Inverter	INVERT	TER TORQUE: PEED RANGE:	ofor further inform CONSTANT 10: NONE		E 10:1	
E S								ENCODER: NONE	NONE				
*								NONE BRAKE:	NONE		NONE	PPR	
PREPARED BY:							ONE	NON NA	E				
FORM: 35	531 REV 4							VOLTAGE:		ONE		H	
	to change wi												







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: 256THFCD19056

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

Catalog No: W553A-P

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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