PRODUCT INFORMATION PACKET



Model No: 256THFCD19081 Catalog No: W542A

XRI®-841 Severe Duty Motor, 10 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 256T Frame, TEFC



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Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW			
Frequency	60 Hz	Voltage	575 V			
Current	10.3 A	Speed	1180 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91 %	Power Factor	80.5			
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	56			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.21 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
Connection Drawing	EE7300	Outline Drawing	SS208560-200

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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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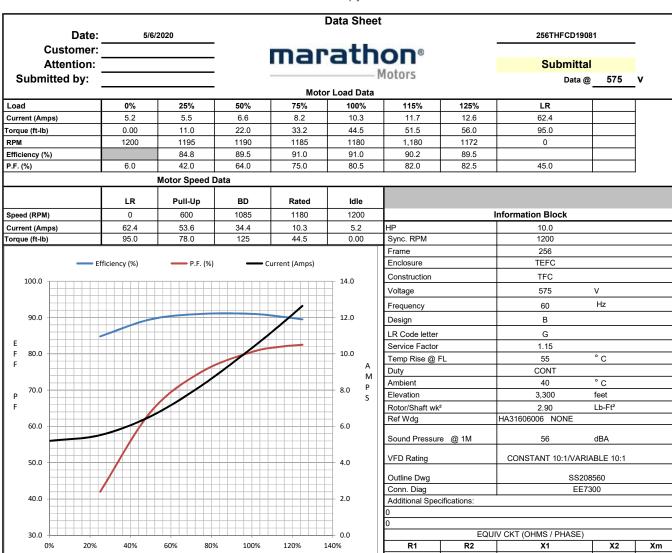


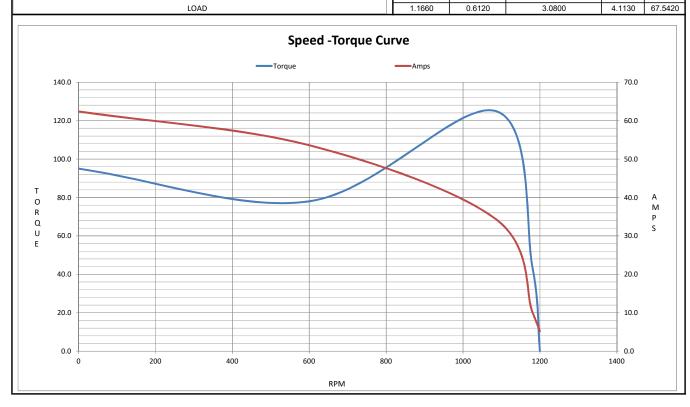


DATA VOLTS: 575

CERTIFICATION DATA SHEET

						ı	REFERENC	E MODEL #:	256THFCD190	081			
CONN. DIAGRAM: EE7300							CAT #:	W	542A		-		
OUTLINE: VINDING:		SS208560 HA3160600	06 NONE	3				MOUNTING:	F1/F2 CAPAB	LE			
				т.	/DICAL	MOTOR REPEORM	NCE D	A.T.A					
					PICAL	MOTOR PERFORMA							
HP	KW	SYNC RPM	SYNC RPM FL RPM 1200 1180			FRAME	ENCLOSURE		TYPE KVA CO		DE DESIG		
10	7.5	1200			256T		TEFC		TFC	G		В	
PH	HZ	VOLTS AMPS			START TYPE DUTY		INSL	S.F.	AMB (° C)	ELEV. (
3	60 575 10.3		3	LINE OR INVERTER CONT		ONT	Н	1.15	40	3300			
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	89.5	GTD EFF		ELECT. T	YPE		
	F.L. PF	80.5	3/4 LD PF	75.0		1/2 LD PF	64.0	90.2		SQ CAGE INV	RATED		
F.L. T	ORQUE	LR AMPS			L.I	R. TORQUE	B.D. TORQU		QUE F.L. RISE		(° C)		
44.5	LB-FT	62.4		95.0	LB-FT	213%	125	LB-FT	281%	55			
SOUND P	RESSURE	SOUND	ROTOR	WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	rs/Hour	API	ROX.	
56	dBA	65 dBA	2.90	LB-FT ²	200	LB-FT ²	20	SEC.		2	317 LB .		
					*** SUI	PPLEMENTAL INFORMA	ATION ***						
DE DDAC	KET TYPE	ODE BRACKET TYPE	MOUNT TYPE		TOR TATION	SEVERE DUTY		ARDOUS	DRIP COVER	SCREENS	DA.	INT	
	NDARD	STANDARD	RIGID		ZONTAL	PREMIUM SEVERE DUTY		ON 2 T2B	NO NO	NONE	PAINT BLUE (EPOXY)		
BEAI	RINGS		T				T				T		
DE	ODE	GREASE	SHAFT	SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
6309	6209	POLYREX EM	Т			NONE NONE		1045 HOT ROLLED (C-204)		CAST IRON			
							1		1		SD	ACE	
THERMOSTATS		PROTECTORS	WDG R		BRG RTD's THERMISTORS CONTROL			HEATERS					
NC	ONE	NOT	NON	1E		NONE	N	ONE	F.A	ALSE	<u> </u>	IA.	
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohm			X2 (ohms/ph)		ohms/ph)		ON (in/sec)			
1.82	21875	0.95625	4.81	25		6.4265625	105.	534375	0	.080			
*							If Inverter			for further inform		- 40.4	
N O						INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
T									NONE				
E S							1	ENCODER: NONE	NUNE				
*								NONE			NONE	PPR	
PRFP	ARED BY:							BRAKE:	NONE ONE	NON	F		
. KLF	DATE:	5/13/2020					†	FT-LB:		NA	_		
EODM: 25	531 REV 4	2/27/06						VOLTAGE:	N	ONE		н	
		/ithout 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: 256THFCD19081

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

Catalog No: W542A

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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