PRODUCT INFORMATION PACKET

Model No: 225MTFC6586 Catalog No: R347A Globetrotter® IEC Cast Iron Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 225M Frame, TEFC



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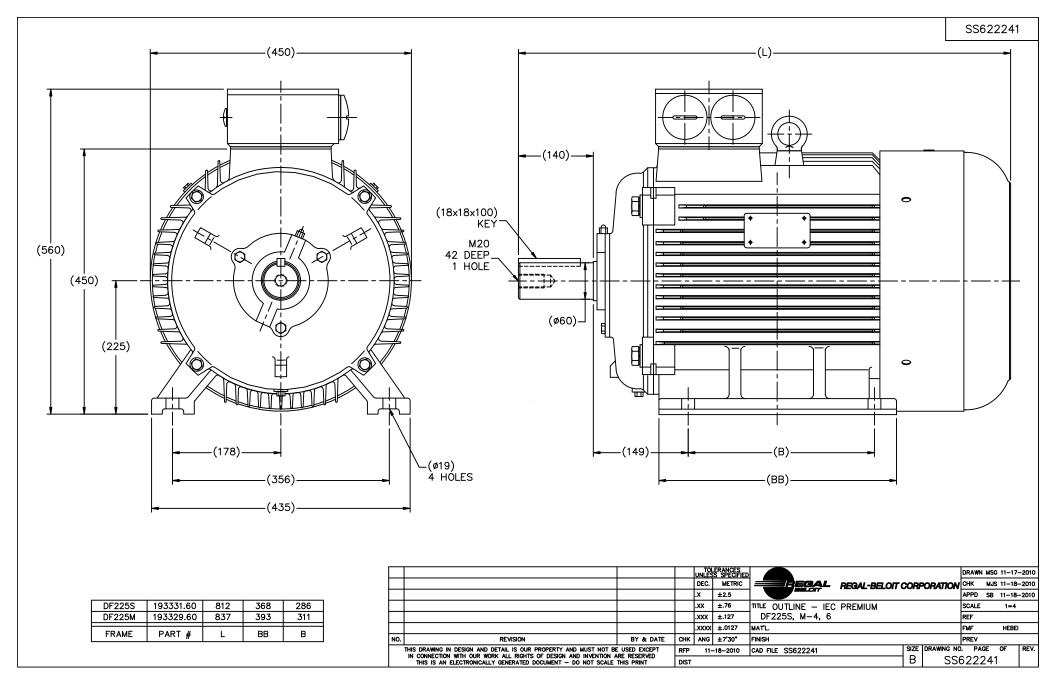
Nameplate Specifications

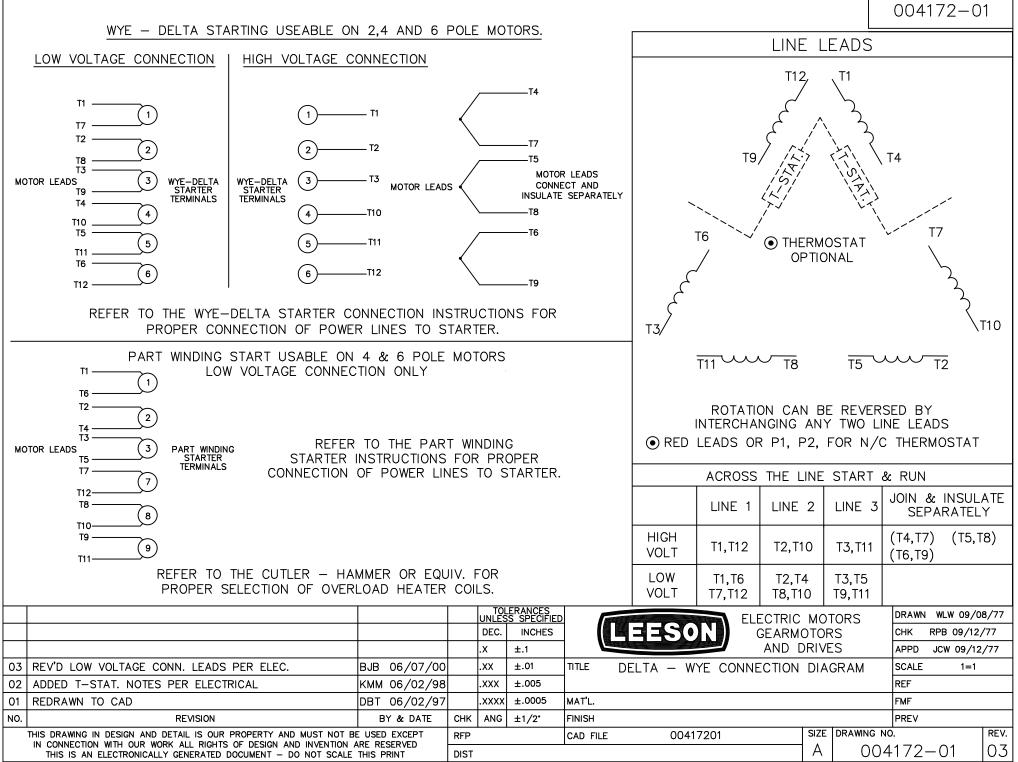
3	Output HP	40 & 30 Hp
30.0 & 22.4 kW	Voltage	230/460 & 200/400 V
1190 & 993 rpm	Service Factor	1.15 & 1.15
225M	Enclosure	Totally Enclosed Fan Cooled
Thermostat	Efficiency	94.1 & 94.5 %
40 °C	Frequency	60 & 50 Hz
101/50.5 & 90/45 A	Power Factor	79
Continuous	Insulation Class	F
В	KVA Code	G
6313	Opp Drive End Bearing Size	6313
Recognized	CSA	Y
Y	IP Code	55
1		
	30.0 & 22.4 kW 1190 & 993 rpm 225M Thermostat 40 °C 101/50.5 & 90/45 A Continuous B 6313 Recognized	30.0 & 22.4 kWVoltage1190 & 993 rpmService Factor225MEnclosureThermostatEfficiency40 °CFrequency101/50.5 & 90/45 APower FactorContinuousInsulation ClassBKVA Code6313Opp Drive End Bearing SizeRecognizedCSA

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.152 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	32.95 in
Shaft Diameter	2.333 in	Shaft Extension	5.51 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1
Outline Drawing	SS622241	Connection Drawing	004172.01

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CERTIFICATION DATA SHEET

Model#:	225MTFC6586 AA
CONN. DIAGRAM:	004172.01
OUTLINE:	SS622241

WINDING#: ASSEMBLY:

T18306031 NONE 3 F3

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30&22.4	1200	1190&993	225M	TEFC	G	В
]					

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/	101/50.5&90/4	PWS &	CONTINUOU	F5	1.15/1.15	40	3300
		400	5	YDRUN OR	S				
				INV					

FULL LOAD EFF: 94.1&94.5	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79&78	3/4 LOAD PF: 75.5	1/2 LOAD PF: 63.5	93	SQ CAGE INV RATED	38 / 19

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
176 LB-FT	580 / 290	303 LB-FT 172	420 LB-FT 238	43

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	- LB-FT^2	- LB-FT^2	20 SEC.	-	767 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT	CAST IRON
6313	6313]				ROLLED (C-204)	

	THERMO-PROTECTORS			THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS PROTECTORS WDG RTDs BRG RT		BRG RTDs				
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further

information

	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE							
ENCODE	R: NONE							
NONE	NONE							
NONE	NONE PPR							
BRAKE:	NONE	NONE						
NONE	P/N NC	DNE						
NONE	NONE							
- FT-LB	NON	IE V	NONE Hz					

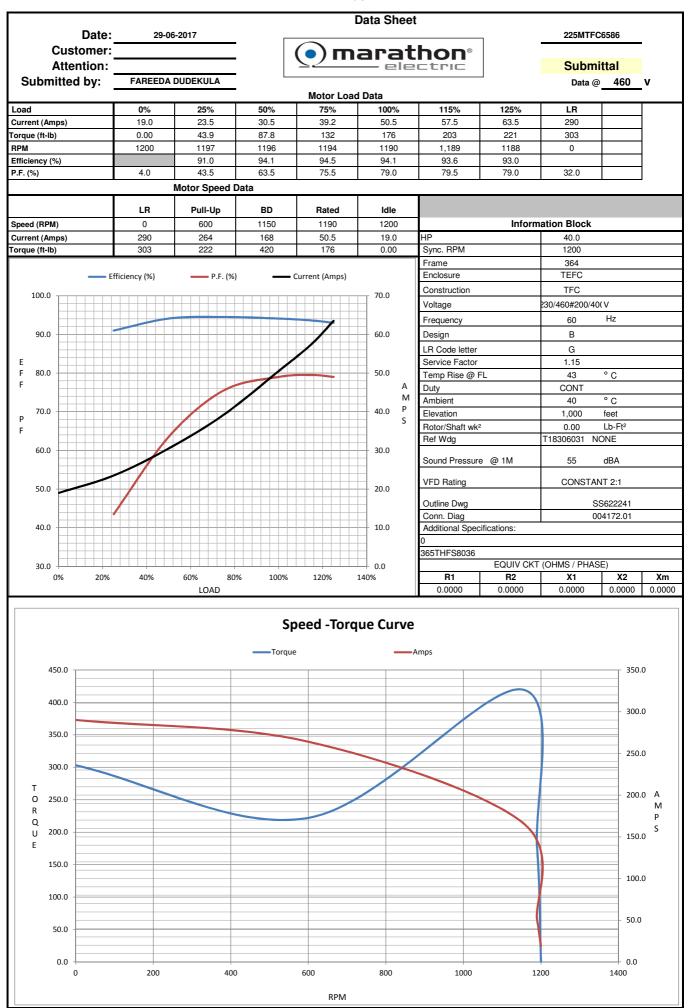
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EC Declaration of Conformity

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: 225MTFC6586

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

Catalog No : R347A

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