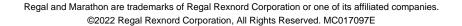
PRODUCT INFORMATION PACKET



Model No: 254TTDN16101 Catalog No: H186B

XRI® General Purpose General Purpose Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 254T Frame, DP







Product Information Packet: Model No: 254TTDN16101, Catalog No:H186B XRI® General Purpose General Purpose Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 254T Frame, DP



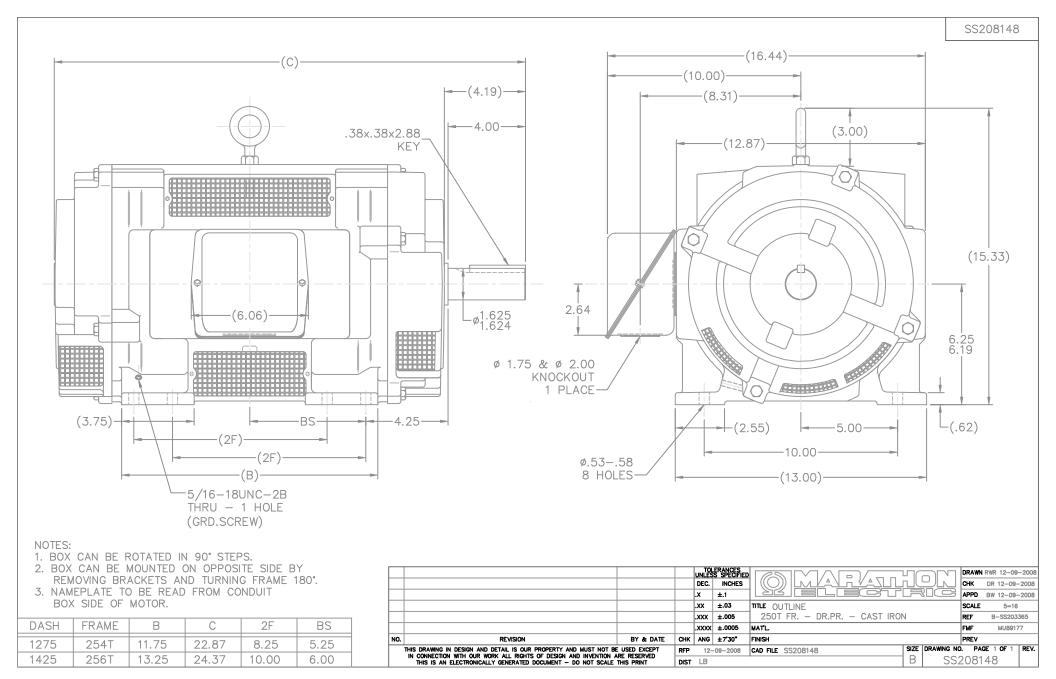
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	15.0/7.5 A	Speed	875 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	F
Frame	254T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Υ
CE	Υ	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	2.305 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	22.87 in
Frame Length	12.75 in	Shaft Diameter	1.625 in
Shaft Extension	4.19 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS208148-1275

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CERTIFICATION DATA SHEET

 Model#:
 254TTDN16101 AA
 WINDING#:
 K254850 NONE 6

 CONN. DIAGRAM:
 A-EE7308
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS208148-1275

TYPICAL MOTOR PERFORMANCE DATA

НР	KW	1	SYNC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
5	3.7		900	875	254T	DP		F	В
PH	Hz	VOLT	S FL AMP	S START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
_									

3	60	230/460	15/7.5	ACROSS THE	CONTINUOU	F3	1.15	40	3300
				LINE	S				
									,
						1			

FULL LOAD EFF: 88.5	3/4 LOAD EFF: 88.5	1/2 LOAD EFF: 86.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70	3/4 LOAD PF: 64	1/2 LOAD PF: 52	86.5	SQ CAGE IND RUN	8 / 4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	64 / 32	42 LB-FT 140	66 LB-FT 220	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	2.5 LB-FT^2	- LB-FT^2	20 SEC.	-	300 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	RODENT	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	CAST IRON
6309	6208					ROLLED (C-204)	

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

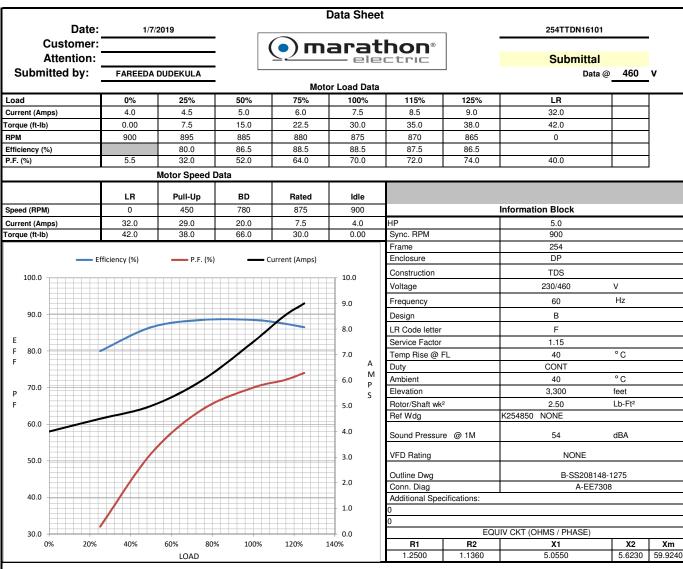
ENCODER: NONE NONE NONE NONE NONE PPR

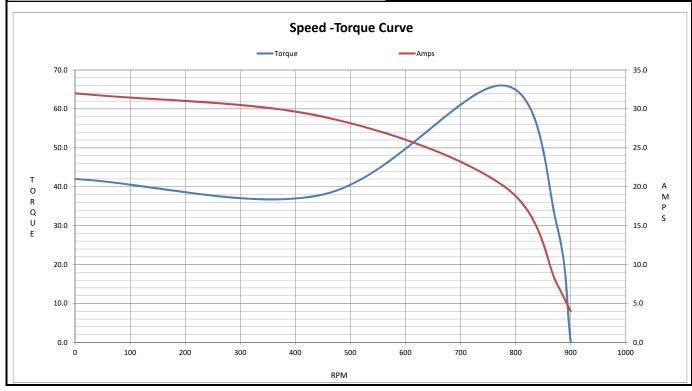
BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/23/2017 03:22:24 AM FORM 3531 REV.3 02/07/99 ** 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: 254TTDN16101

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

Catalog No: H186B

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. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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