PRODUCT INFORMATION PACKET



Model No: 254TTGN16541 Catalog No: U027A

Hazardous Duty® Explosion Proof Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 254T Frame, EPFC



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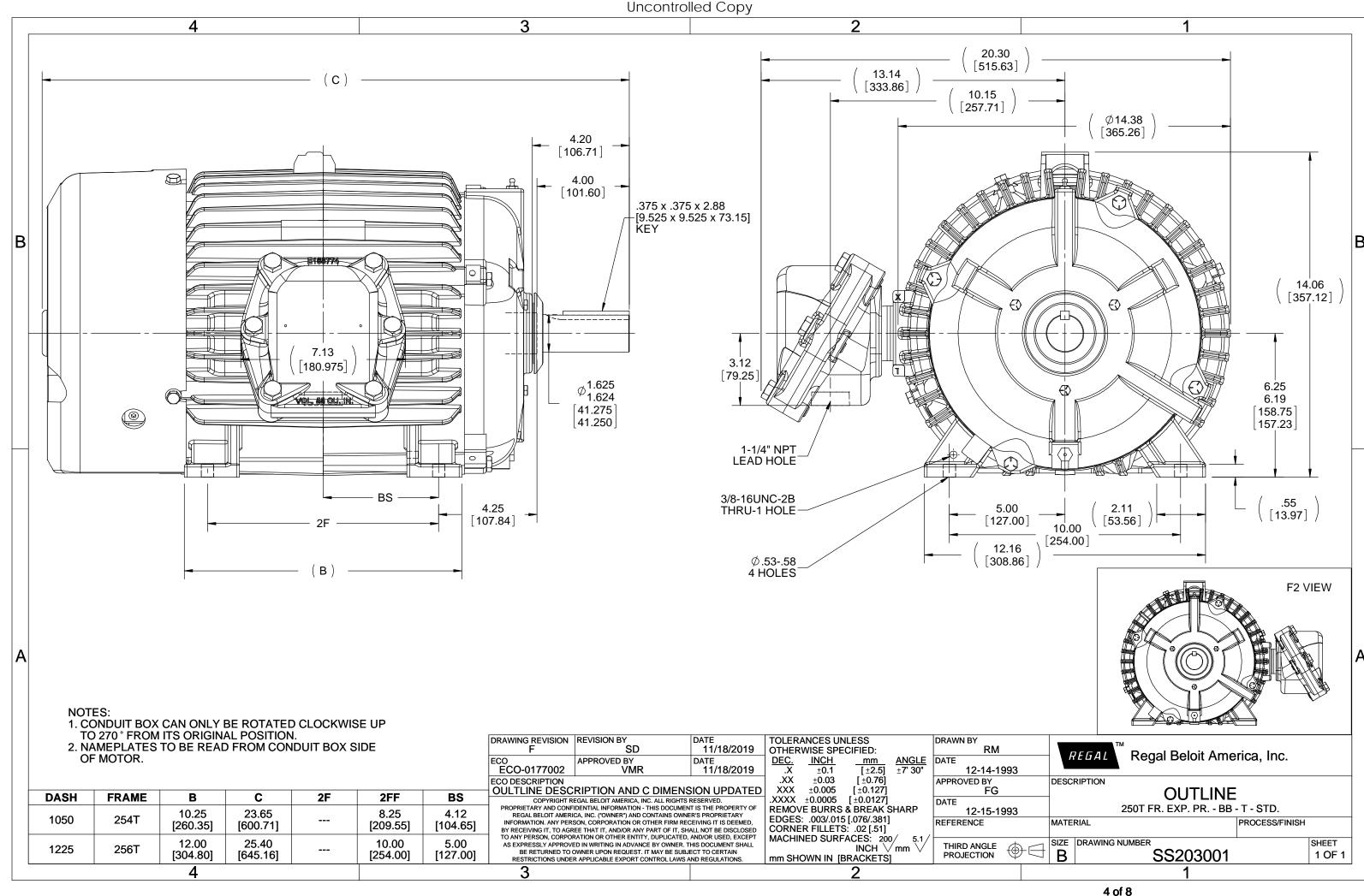
Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	15.1 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	254T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210
UL	UL Listed And CSA Certified	CSA	Υ
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	4	Rotation	Reversible	
Resistance Main	.649 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	23.52 in	
Frame Length	10.50 in	Shaft Diameter	1.625 in	
Shaft Extension	4.2 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	CONSTANT 10:1			
Connection Drawing	A-EE7300T	Outline Drawing	B-SS203001-1050	

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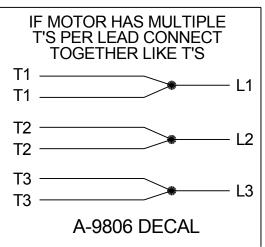


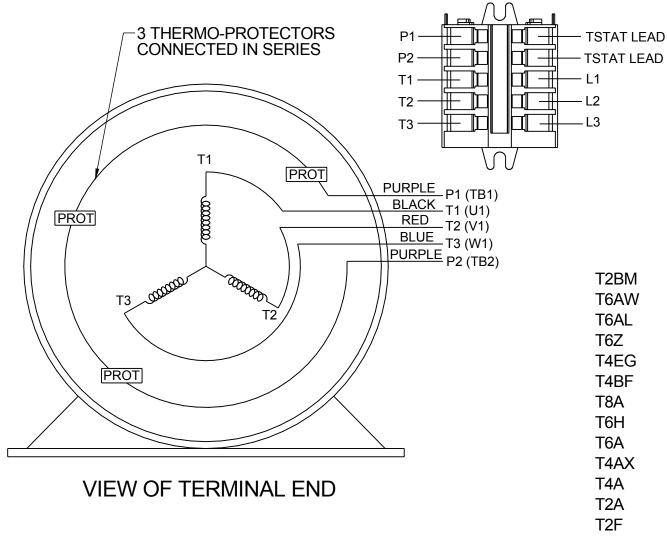
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THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION: INTERCHANGE ANY TWO LINE LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY: TO SURGE TEST: FOR 3 LEAD COMMON CONNECT: CONNECT P1 TO T1 THEN P2 TO L1 FOR 6 LEAD COMMON CONNECT: CONNECT P1 TO BOTH T1 THEN P2 TO L1





DRAWING REVISION	REVISION BY	DATE
AB	AJW	07-17-2015
ECO	APPROVED BY	DATE
ECO-0081632	T.VUE	07-17-2015
EGG BEGGBIBTION		

REV'D IEC MARKINGS PER IEC-60034-8

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TERMINIAL BLOCK WHEN SPECIFIED

CERTIFICATION DATA SHEET

Model#: 254TTGN16541 AA **WINDING#:** K2564165 NONE 3

CONN. DIAGRAM: A-EE7300T ASSEMBLY: F1 ONLY

OUTLINE: B-SS203001-1050

TYPICAL MOTOR PERFORMANCE DATA

НР	KW		SYNC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
15	11.2	2	1800	1775	254T	EPF	c	G	В
PH	Hz	VOLT	TS FL AMI	PS START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	5 15.1	LINE OR	CONTINUOU	F3	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS	
FULL LOAD PF: 81	3/4 LOAD PF: 78	1/2 LOAD PF: 68	91.7	SQ CAGE INV RATED	6.2	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
44.4 LB-FT	88	85 LB-FT 191	125 LB-FT 282	55	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	2.4 LB-FT^2	110 LB-FT^2	25 SEC.	2	325 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	EXP PROOF CL	FALSE	NONE	BLUE (EPOXY)
				SEVERE DUTY	I GR C&D CL II			
					GR F&G T3B			

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	6210					ROLLED (C-204)	

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE

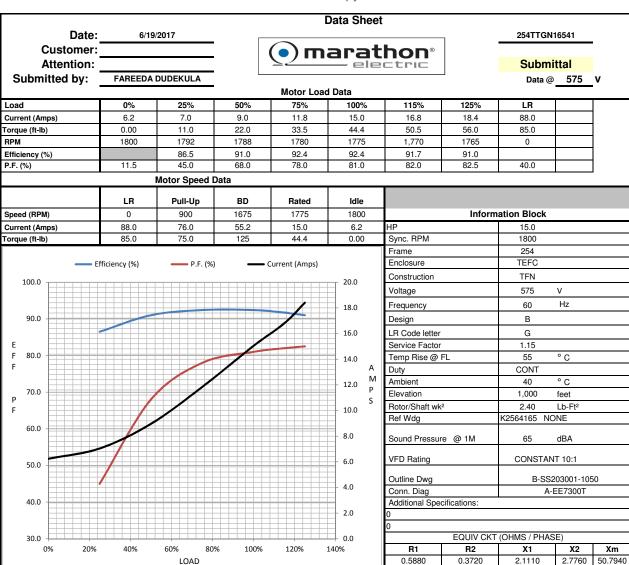
ENCODER: NONE NONE NONE NONE NONE PPR

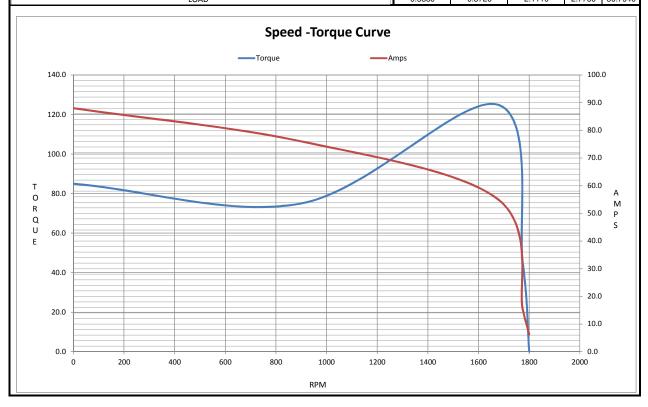
BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

* N O T E S

DATE: 06/23/2017 04:32:16 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.





CERTIFICATE OF COMPLIANCE

Certificate Number
Report Reference

20220311- E12044 E12044-19950413

Issue Date

2022-MARCH-11

Issued to:

REGAL BELOIT AMERICA INC

1946 W COOK RD

FORT WAYNE IN 46818

Tradename: Marathon

This certificate confirms that representative samples of

MOTORS FOR USE IN HAZARDOUS LOCATIONS

Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 254TTGN16541 (may have prefix and/or

suffix characters).

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 674 - Electric Motors and Generators for Use in Division

1 Hazardous (Classified) Locations,

CSA C22.2 No. 145, Electric Motors and Generators for

Use in Hazardous (Classified) Locations

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Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Bambles

Bruce Mahrenholz, Director North American Certification Program

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