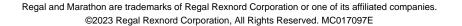
PRODUCT INFORMATION PACKET



Model No: 256TTGN16540 Catalog No: U028A

Hazardous Duty® Explosion Proof Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 256T Frame, EPFC









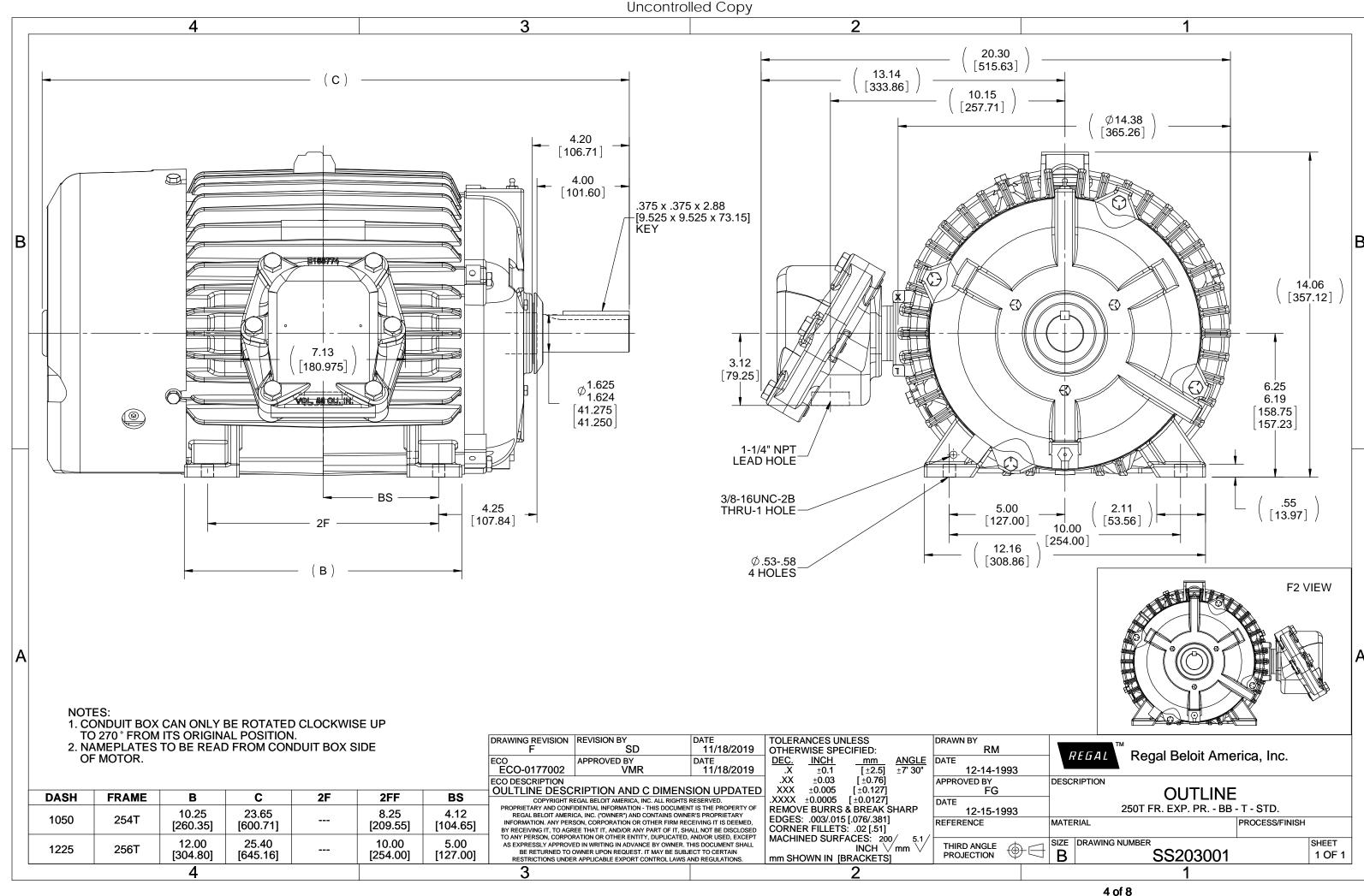
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.5 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	256T	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	.474 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	25.27 in	
Frame Length	12.25 in	Shaft Diameter	1.625 in	
Shaft Extension	4.18 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	CONSTANT 2:1			
Outline Drawing	B-SS203001-1225	Connection Drawing	A-EE7300T	

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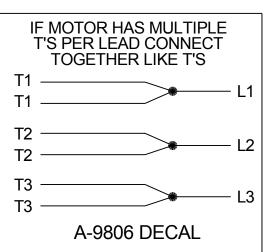


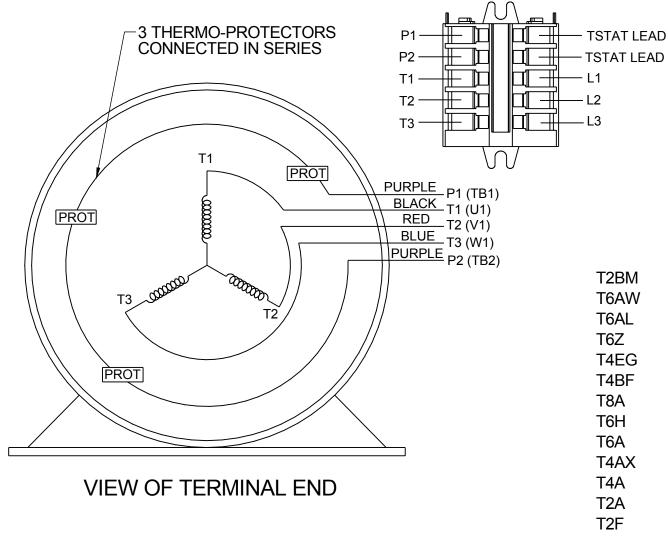
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THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

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
ECO DECODIDATION		

REV'D IEC MARKINGS PER IEC-60034-8

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LZ DATE 01-04-1994	REGAL ™ Regal Beloit America, Inc.	
APPROVED BY GK	CONN DIAGRAM-EXTERNAL	
DATE 01-20-1994	3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR	
REFERENCE	MATERIAL PROCESS/FINISH	
THIRD ANGLE PROJECTION	A EE7300T	SHEET 1 OF 1

TERMINIAL BLOCK WHEN SPECIFIED

CERTIFICATION DATA SHEET

Model#: 256TTGN16540 AA **WINDING#:** K2564164 NONE 3

CONN. DIAGRAM: A-EE7300T ASSEMBLY: F1 ONLY

OUTLINE: B-SS203001-1225

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	<u> </u>	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
20	20 14.9		1800		1775	256T	EPF	С		G	В
PH	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	s	.F	AMB°C	ELEVATION
3	60	5	75	19.5	LINE OR	CONTINUOU	F3	1.	15	40	3300
					INVERTER	S					

FULL LOAD EFF: 93	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84	3/4 LOAD PF: 81	1/2 LOAD PF: 72	92 4	SQ CAGE INV RATED	6.8

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	110.4	105 LB-FT 177	146 LB-FT 247	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	3.2 LB-FT^2	125 LB-FT^2	25 SEC.	2	400 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-PF	ROTECTORS	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 2:1 INV. HP SPEED RANGE: NONE

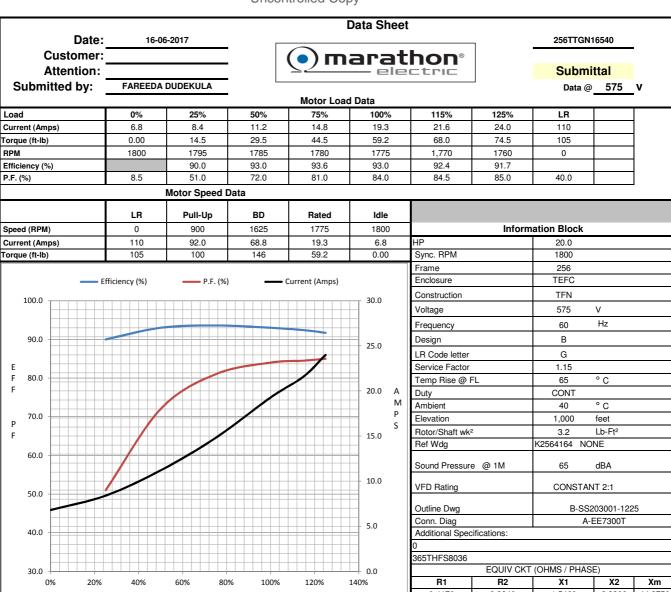
ENCODER: NONE NONE NONE NONE NONE PPR

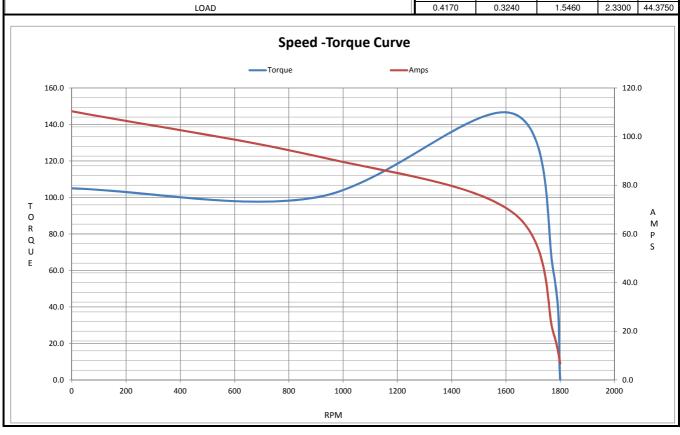
BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/21/2017 10:52:25 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.





CERTIFICATE OF COMPLIANCE

 Certificate Number
 20220314- E12044

 Report Reference
 E12044-19950413

Issue Date 2022-MARCH-14

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 256TTGN16540 (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

Additional Information: See the UL Online Certifications Directory at

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Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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.

Bamaly

Bruce Mahrenholz, Director North American Certification Program

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