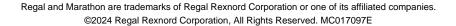
PRODUCT INFORMATION PACKET



Model No: 445TSTGN16505 Catalog No: E584

Hazardous Duty® Explosion Proof Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, EPFC









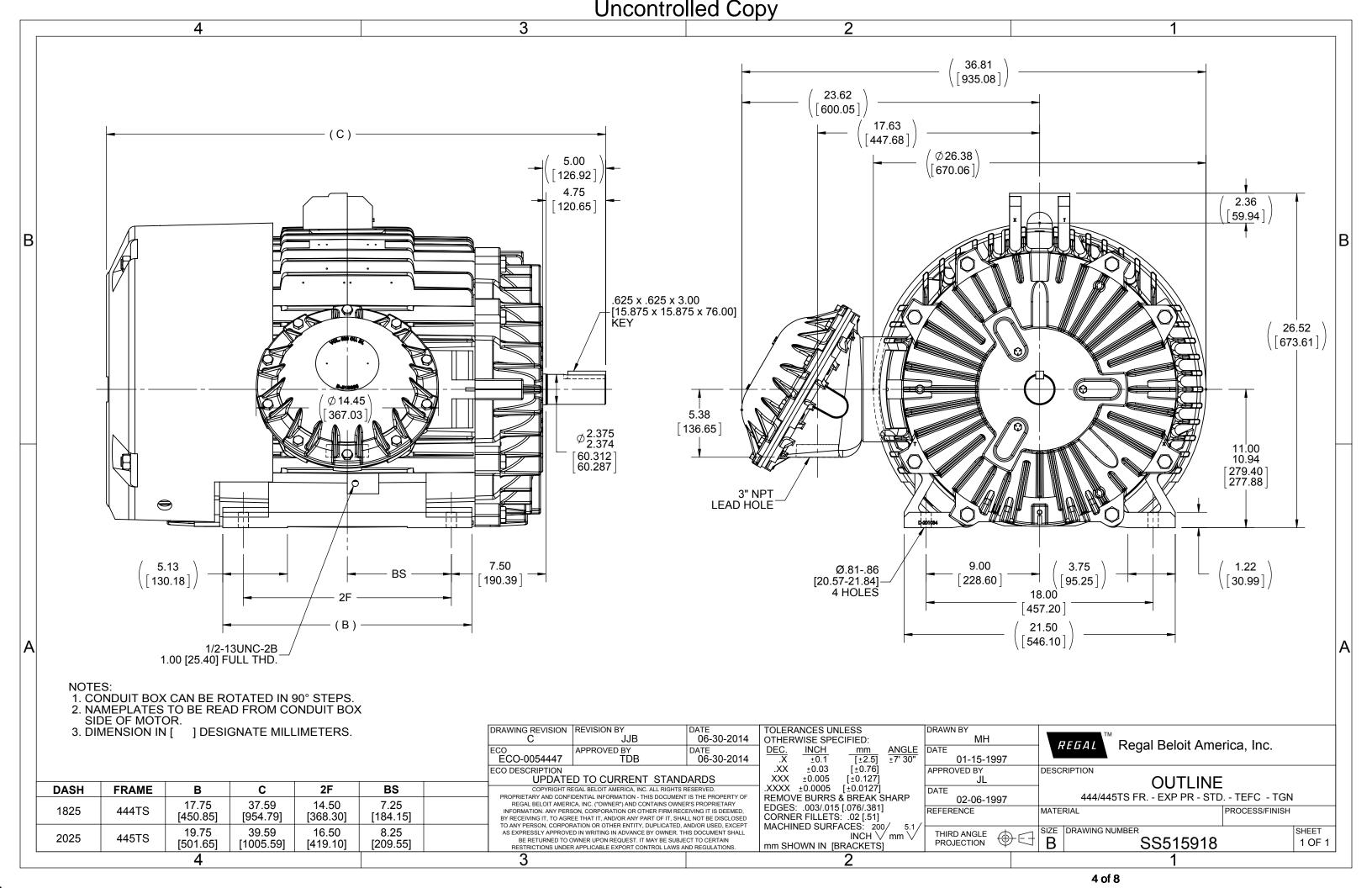
Nameplate Specifications

Phase	3	Output HP	150 Hp	
Output KW	112.0 kW	Voltage	460 V	
Speed	3575 rpm	Service Factor	1.15	
Frame	445TS	Enclosure	Explosion Proof Fan cooled	
Thermal Protection	Thermostat	Efficiency	95.8 %	
Ambient Temperature	40 °C	Frequency	60 Hz	
Current	168.0 A	Power Factor	88	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313	
UL	Listed	CSA	N	
CE	N	IP Code	54	
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B	

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	2	Rotation	Reversible	
Resistance Main	.018 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	тѕ	Overall Length	39.59 in	
Frame Length	20.25 in	Shaft Diameter	2.375 in	
Shaft Extension	5 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	CONSTANT 10:1			
Outline Drawing	B-SS515918-2025	Connection Drawing	A-EE7300S	

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:03/29/2024



Uncontrolled Copy THREE PHASE - SINGLE VOLTAGE MOTOR TO REVERSE ROTATION: INTERCHANGE ANY TWO LINE LEAD CONNECTIONS PROT. Т3 IF MOTOR HAS MULTIPLE T'S PER LEAD CONNECT TOGETHER LIKE T'S T1 (U1)_____ T1 (U1)-

T2 (V1) T2 (V1) T3 (W1) T3 (W1)-A-9806 DECAL

VIEW OF TERMINAL END

					TOL UNLES	ERAN S SP	ICES ECIFIED				DRAWN	KL 12-15	5-1999
					DEC.	IN	CHES	REGAL REGAL-BELOIT CO	RPOR	ATION	снк	DJK 12-1	5-1999
F	UPDATED TITLE BLOCK	HV	02-27-2014	EWH	.X	±	_	BELOIT FIEST DEEST 33	The Bredit Gott Givenor			DJK 12-1	5-1999
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB	08-02-2010		.XX	±	_	TITLE CONNECTION DIAGRAM - EXTE	RNAL		SCALE	1=1	1
2	ADDED IEC MARKINGS MU61770	KL	09-16-2004	EAB	.xxx	±	_	SINGLE VOLTAGE 30 MOTOR			REF		
1	NEW DRAWING	KL	12-16-1999		.xxxx	±	-	MAT'L.			FMF		
NO.	REVISION	BY	& DATE	CHK	ANG	±	_	FINISH			PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT			RFP				CAD FILE ee7300s	SIZE	DRAWING NO	D. PAG	E OF	REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT				WA-	-LB-	·SB		Α	El	E7300	S	F

EE7300S

- P1 (1T1)

P2 (1T2)

T1 (U1)

T2 (V1) T3 (W1)

CERTIFICATION DATA SHEET

445TSTGN16505 AA WINDING#: T445276 NONE 1 Model#:

ASSEMBLY: F1 ONLY CONN. DIAGRAM: A-EE7300S

OUTLINE: B-SS515918-2025

TYPICAL MOTOR PERFORMANCE DATA

НР	KW		SYNC. R	RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA	CODE	DESIGN
150	112	!	3600)	3575	445TS	EPF	С		G	В
РН	Hz	VOL	TS F	L AMPS	START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION
3	60	460	0	168	LINE OR	CONTINUOU	F1	1.1	5	40	3300

INVERTER

FULL LOAD EFF: 95.8	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88	3/4 LOAD PF: 85	1/2 LOAD PF: 78	95.4	SQ CAGE INV RATED	51

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	1085	275 LB-FT 124	640 LB-FT 288	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	31 LB-FT^2	120 LB-FT^2	15 SEC.	2	2200 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	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			

BEA	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT	CAST IRON
6318	6316					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	IERMOSTATS 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

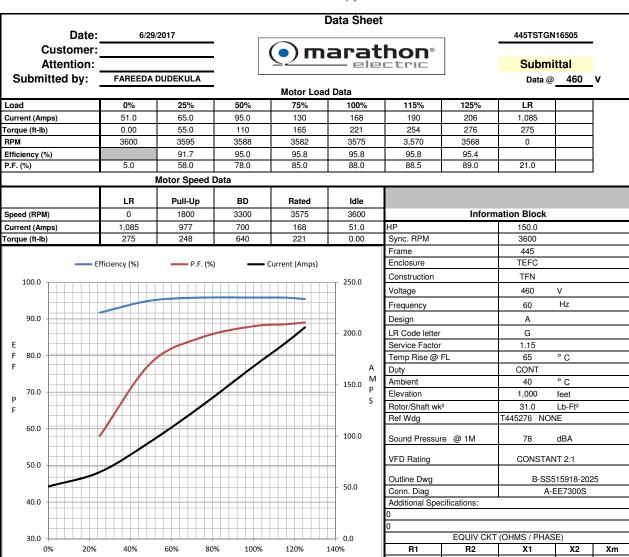
ENCODER: NONE NONE NONE NONE NONE PPR

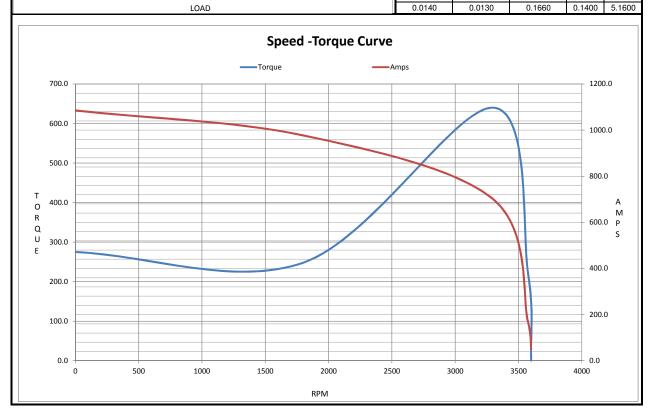
BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

Ν 0 Т Ε S

> DATE: 06/21/2017 05:35:16 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.





CERTIFICATE OF COMPLIANCE

 Certificate Number
 20220524- E12044

 Report Reference
 E12044-19970314

Issue Date 2022-MAY-24

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,
Craupa C and D. Class II, Craupa E and C. Inclusive of

Groups C and D; Class II, Groups F and G; Inclusive of Model Number 445TSTGN16505 (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

https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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.

Bambles

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

