PRODUCT INFORMATION PACKET



Model No: 445TSTGN16506
Catalog No: U075A
Hazardous Duty® Explosion Proof Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 445TS Frame, EPFC



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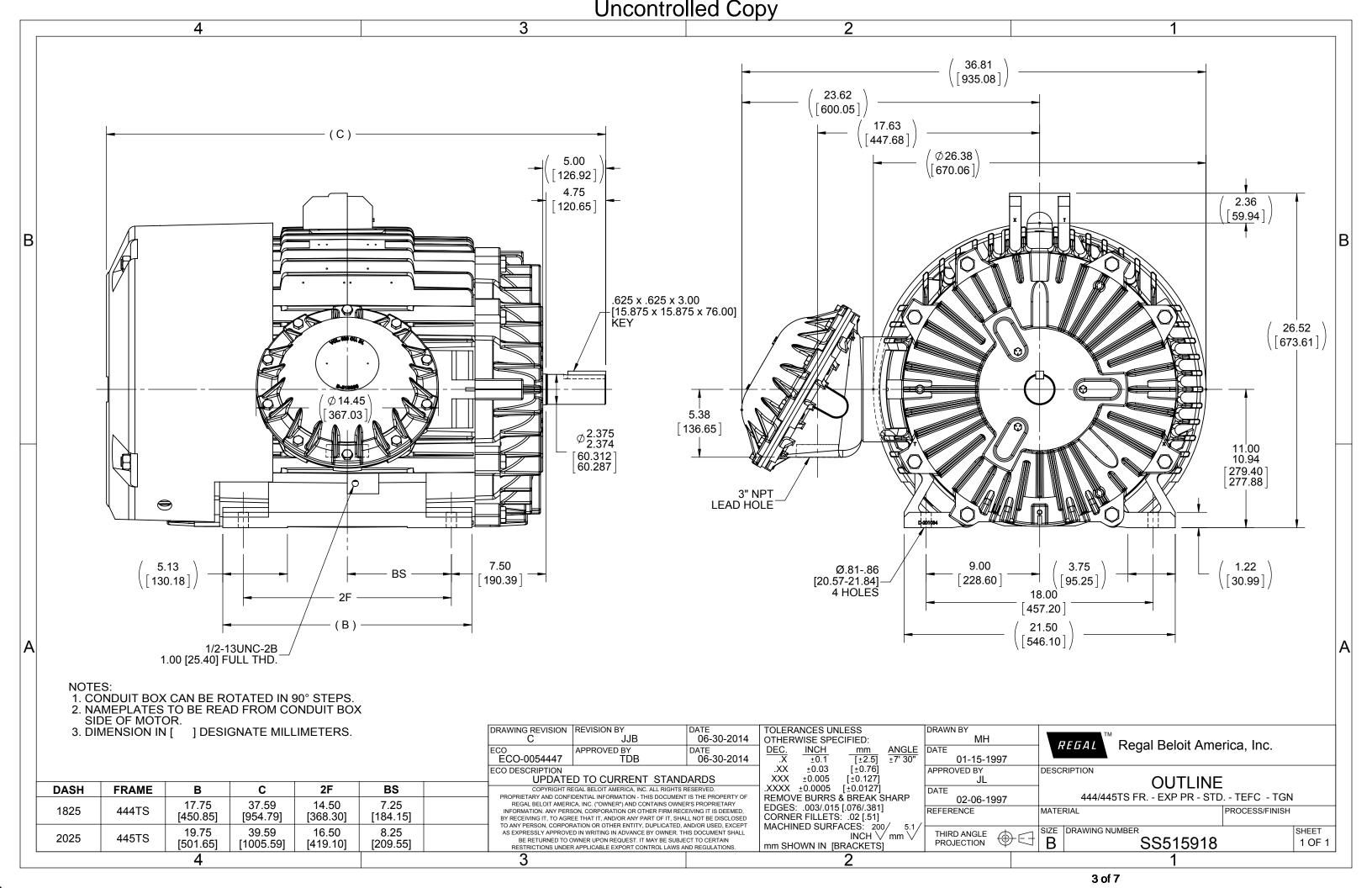
Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	3575 & 2978 rpm	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	224 & 205 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	UL Listed And CSA Certified	CSA	Υ
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

Technical Specifications

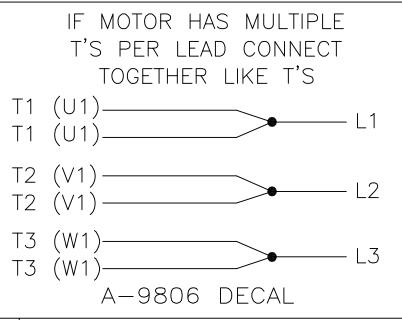
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.0125 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	39.59 in
Frame Length	20.25 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7300S	Outline Drawing	B-SS515918-2025

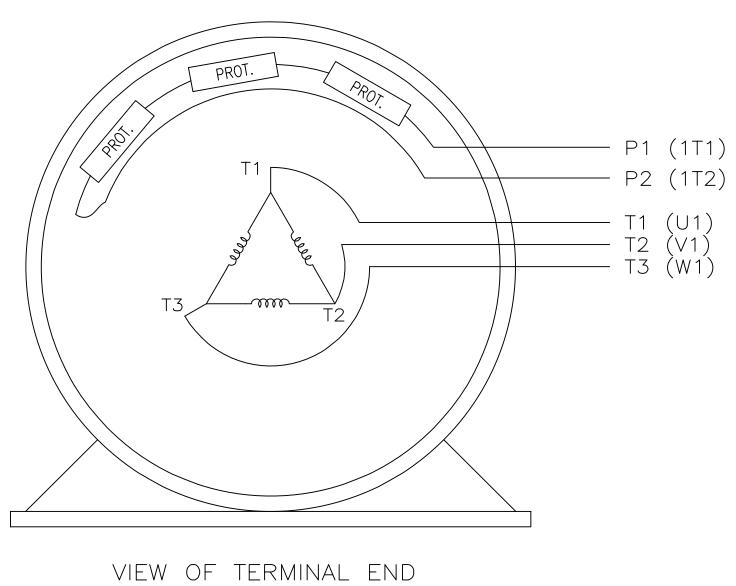
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THREE PHASE — SINGLE VOLTAGE MOTOR
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS





	71 3000 DE071E									
				TO UNLES	LERANCES SS SPECIFIED			DRAWN	KL 12-15	5-1999
				DEC.	INCHES	REGAL REGAL-BELOIT CO	RPORATION	СНК	DJK 12-1	5-1999
F	UPDATED TITLE BLOCK	HV 02-27-201	4 EW	⊣.x	± -	BELOIT			DJK 12-1	5-1999
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-201	0	.xx	± -	TITLE CONNECTION DIAGRAM — EXTE	RNAL	SCALE	1=1	1
2	ADDED IEC MARKINGS MU61770	KL 09-16-200	4 EAE	3 .xxx	± -	SINGLE VOLTAGE 30 MOTOR	SINGLE VOLTAGE 30 MOTOR			
1	NEW DRAWING	KL 12-16-199	9	.xxxx	± -	MAT'L.		FMF		
NO.	REVISION	BY & DATE	снк	ANG	± -	FINISH PREV		PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE	RFP			CAD FILE ee7300s	SIZE DRAWING			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] A	EE73009	3	F

EE7300S

CERTIFICATION DATA SHEET

445TSTGN16506 AA WINDING#: T445280 NONE 1 Model#:

CONN. DIAGRAM: ASSEMBLY: F1 ONLY A-EE7300S

OUTLINE: B-SS515918-2025

TYPICAL MOTOR PERFORMANCE DATA

	HP	KW	ı	SYN	IC. RPM	F.L. RPM	FRAME	EN	CLOSURE	KV	A CODE	DESIGN
	200&150	149&	112];	3600	3575&2978	445TS		EPFC		G	В
Γ	PH	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSI	_	S.F	AMB°C	ELEVATION
	3	60/50	460	#380	224&205	ACROSS THE	CONTINUOU	F1	1.1	5/1.15	40	3300
]			LINE	S					

FULL LOAD EFF: 95.4&95	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&87	3/4 LOAD PF: 85.5	1/2 LOAD PF: 78.5	95	SQ CAGE IND RUN	69.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
294 LB-FT	1450	475 LB-FT 162	900 LB-FT 306	75	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
80 dBA	90 dBA	33.5 LB-FT^2	160 LB-FT^2	15 SEC.	2	2300 LBS.

*** SUPPLEMENTAL INFORMATION ***

	ODE BRACKET		ORIENTATION		HAZARDOUS	DRIP	SCREENS	PAINT
TYPE	TYPE	TYPE		DUTY	LOCATION	COVER		
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM	EXP PROOF CL	FALSE	NONE	BLUE (EPOXY)
				SEVERE DUTY	I GR C&D CL II			
					GR F&G T3B			

BEAF	BEARINGS		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 PROTECTORS WDG RTDs BR		BRG RTDs				
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

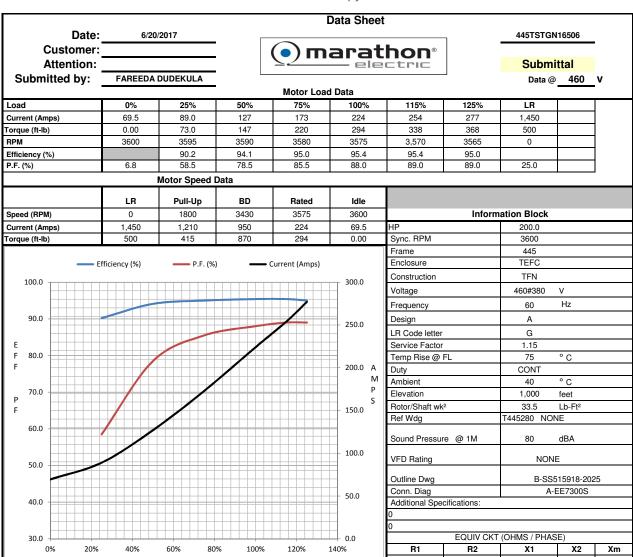
ENCODER: NONE NONE NONE NONE NONE PPR

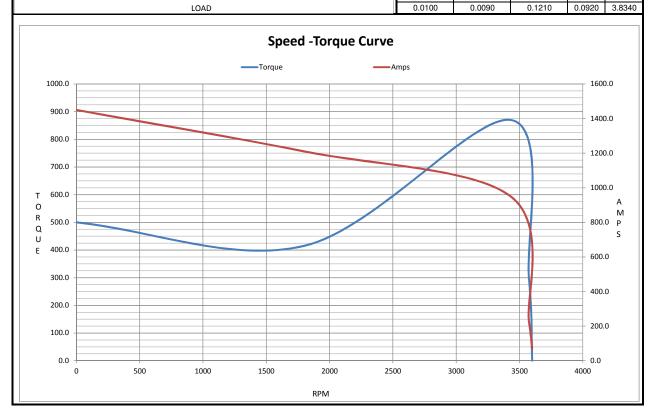
BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

Ν 0 Т Ε S

> DATE: 06/21/2017 05:36:19 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, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 445TSTGN16506 (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

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