PRODUCT INFORMATION PACKET



Model No: 405TSHFCD9026 Catalog No: W599A

XRI®-841 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405TS Frame, TEFC



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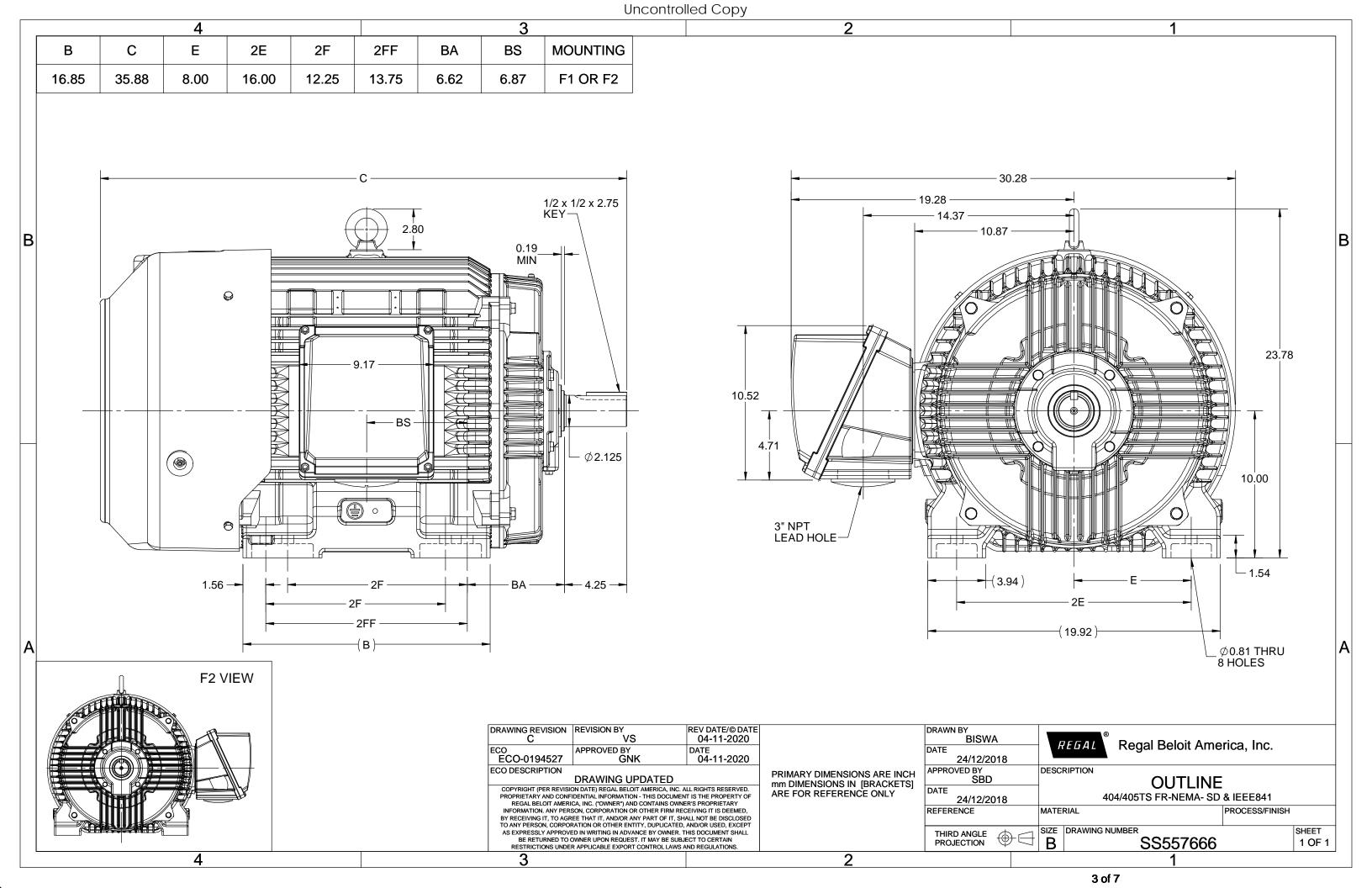
Nameplate Specifications

Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	460 V
Speed	1785 rpm	Service Factor	1.15
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	113.0 A	Power Factor	87
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Listed	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

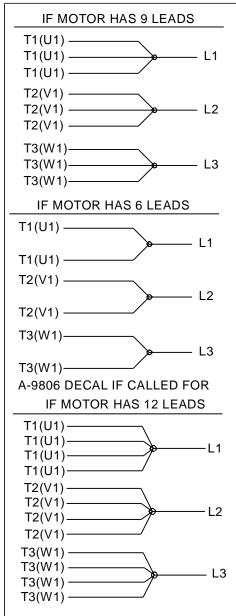
Technical Specifications

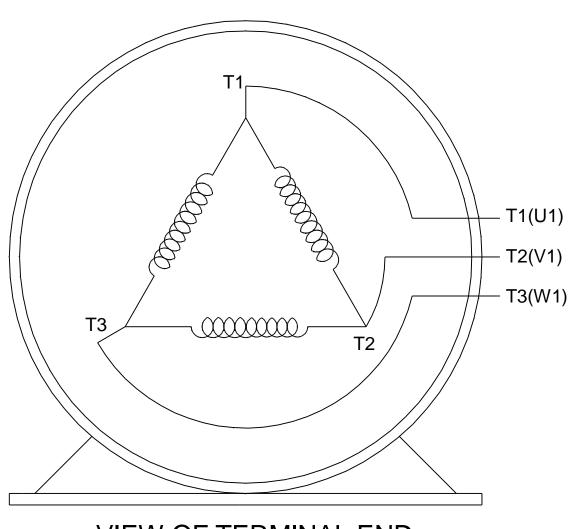
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557666

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO	APPROVED BY	DATE
ECO-0077067	EWH	05-05-2015
ECO DESCRIPTION		

UPDATED TO SOLIDWORKS

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TOLLINANOLO UNLLOS									
OTHER'	WISE SPE	CIFIED:							
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>						
.X	±0.1	[±2.5]	±7' 30"						
.XX		[±0.51]							
XXX	±0.005	[±0.127]							
.XXXX	±0.0005	[±0.0127]							
REMOV	E BURRS	& BREAK S	HARP						
EDGES:	.003/.015	[.076/.381]	X 45°						
CORNER FILLETS: R.02 [.51]									
MACHINED SURFACES: 200/ 5.1/									
		INCH ∨	mm 🗸						
mm SHO	OWN IN [E	BRACKETS]							

TOLERANCES LINLESS

	DRAWN BY DRS DATE 09-27-1996	REGAL ™ Regal Beloit America, Inc.						
	APPROVED BY GK DATE 09-30-1996	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE						
,	REFERENCE	MATE	RIAL	PROCESS/FINISH				
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1			

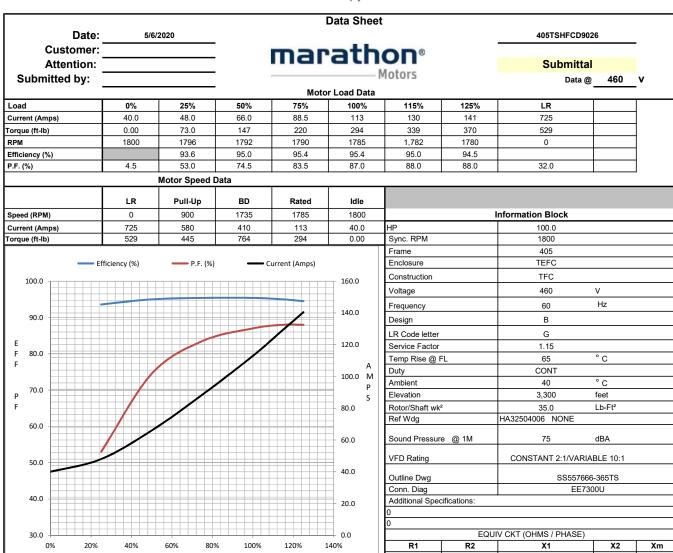


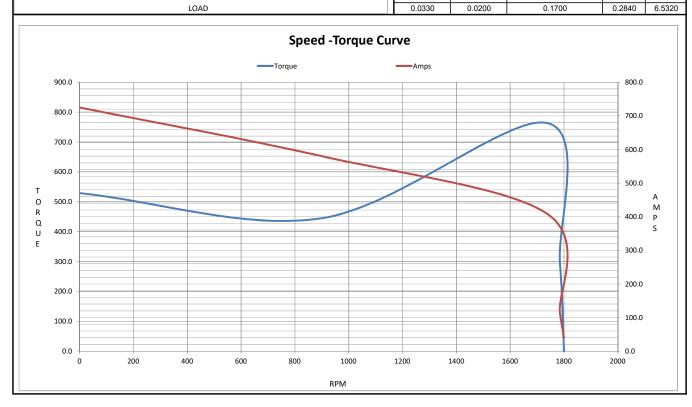
DATA VOLTS: 460

					С	ERTIFICATION DATA	SHE	ET				
CONN. DIA DUTLINE: WINDING:		EE7300U SS557666-365TS HA32504006	NONE	1					405TSHFC W599A F1/F2 CAF			
					TYPICA	AL MOTOR PERFOR	MANC	E DATA				
HP	ĸw	SYNC RPM	FLR	PM		FRAME	ENG	CLOSURE	TYPE	KVA COI	DE	DESIGN
100	75	1800	178	35		405TS		TEFC	TFC	G		В
PH	HZ	VOLTS	AMF	PS	1	START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	11:	3		LINE OR INVERTER		CONT	Н	1.15	40	3300
	F.L. EFF	95.4	3/4 LD EFF	95.4		1/2 LD EFF	95.0	GTD EFF		ELEC	T. TYPE	
	F.L. PF	87.0	3/4 LD PF	83.5		1/2 LD PF	74.5	95.0		SQ CAGE	INV RATED	
F.L. T0	ORQUE	LR AMPS (0 460 V		L.I	R. TORQUE		B.D. TORQUI	=	F.L. RISE (° C)	
	LB-FT	725	,	529	LB-FT	180%	764	LB-FT	260%	65	<u> </u>	
SUIND B	RESSURE	SOUND	ROTOR) WK2		MAX. LOAD WK ²	SAFE	STALL TIME	l et	ARTS/HOUR	APROX.	мотог
	dBA	84 dBA		LB-FT ²	575	LB-FT ²	25	SEC.		2		LB.
	KET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIEN	TOR ITATION	SUPPLEMENTAL INFOR	HAZ LO	ARDOUS CATION	DRIP COVER	SCREENS		PAINT
STAN	IDARD	STANDARD	RIGID	HORIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVIS	SION 2 T2B	NO	NONE	BLUE	E (EPOXY)
DE	RINGS ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL
6316	6314	POLYREX EM	TS	8		NONE	-	NONE	1045 HO	T ROLLED (C-204)	CA	ST IRON
	OSTATS	PROTECTORS	WDG F			BRG RTD's		RMISTORS		CONTROL	SPACE	HEATERS
NC	ONE	NOT	NON	NE		NONE		NONE		FALSE		NA
	ms/ph) 033	R2 (ohms/ph) 0.02	X1 (ohn 0.1			X2 (ohms/ph) 0.284		(ohms/ph) 6.532	VIBR	RATION (in/sec) 0.080		
* N O T									TORQUE:	contact factory for fu CONSTANT 2:1/VAI NONE		on
E S								ENCODER: NONE NONE			NONE	PPR
PREP	ARED BY: DATE:	ANUSHA M 3/31/2020						BRAKE: NON FT-LB: VOLTAGE:		NONE NA NONE		н

FORM: 3531 REV_4 2/27/06
** Subject to change without notice.

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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: 405TSHFCD9026

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

Catalog No: W599A

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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

(€ 22