PRODUCT INFORMATION PACKET



Model No: 405TSHFCD9001 Catalog No: W598A

XRI®-841 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 405TS Frame, TEFC



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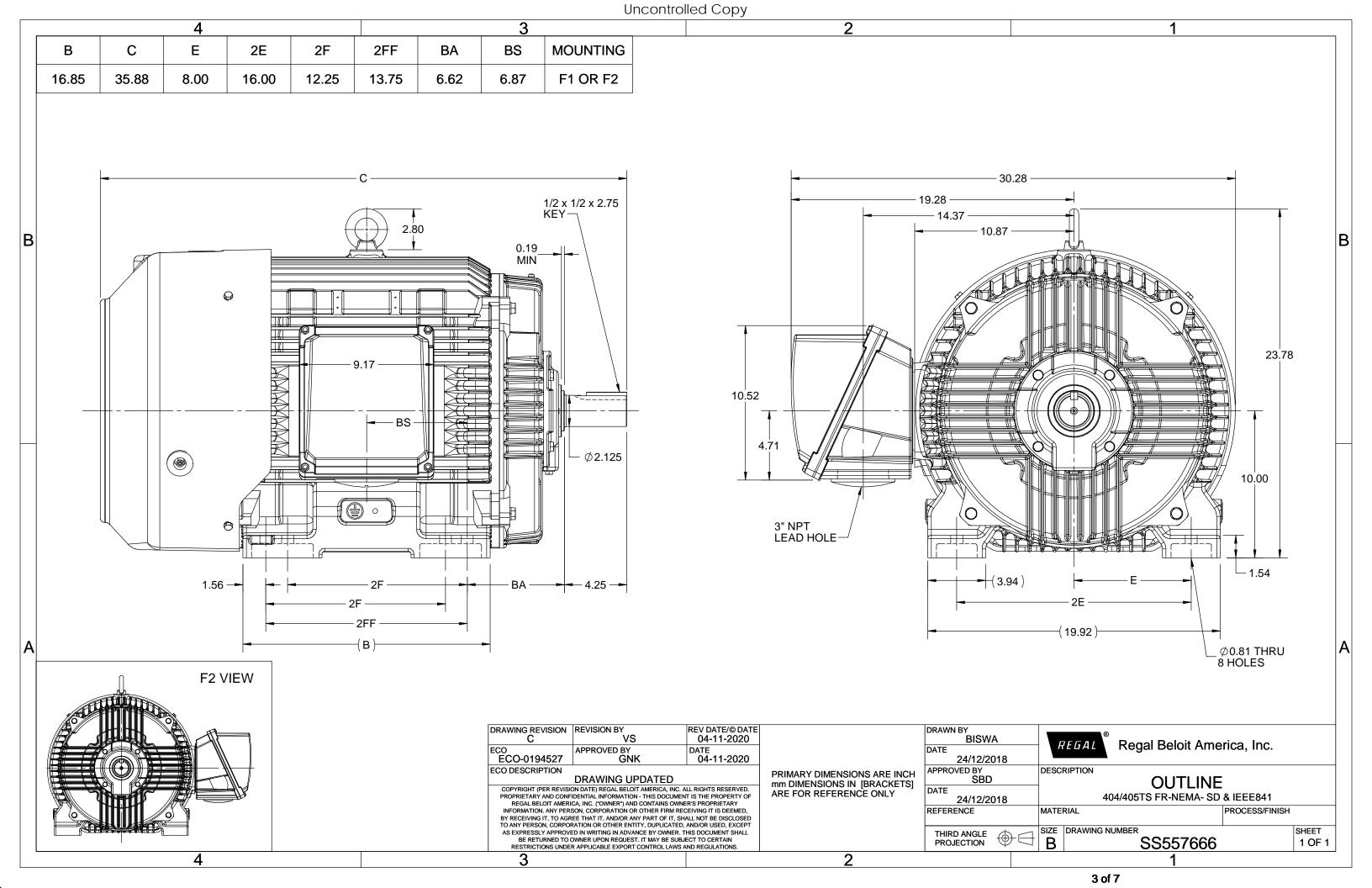
Nameplate Specifications

Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	460 V
Speed	3575 rpm	Service Factor	1.15
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	111.0 A	Power Factor	89
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Listed	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

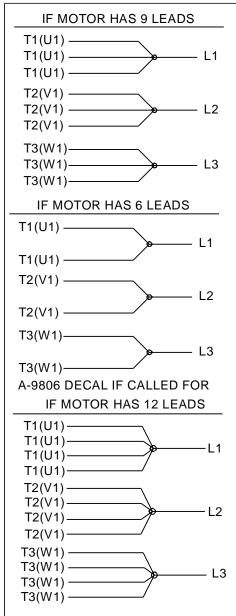
Technical Specifications

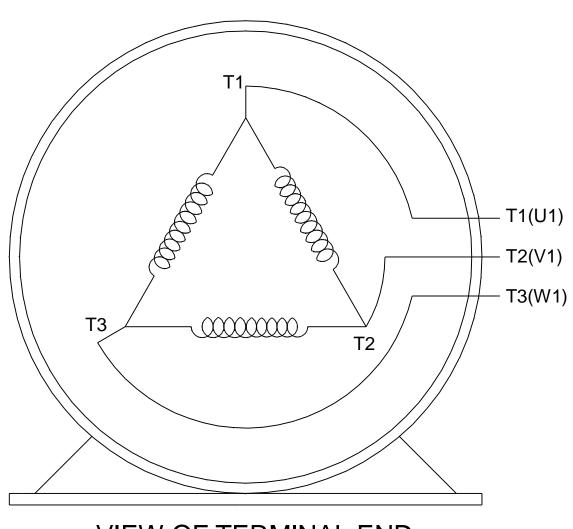
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.056 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS557666	Connection Drawing	EE7300U

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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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TOLLINANOLS UNLLSS										
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°							
CORNE	R FILLETS	S: R.02 [.51]							
MACHIN	IED SURF	ACES: 200								
		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	DESC	CONN DIAGRAM-E 3Ø SINDLE VOLTA		L				
,	REFERENCE	MATE	RIAL	PROCESS/FINISH					
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1				

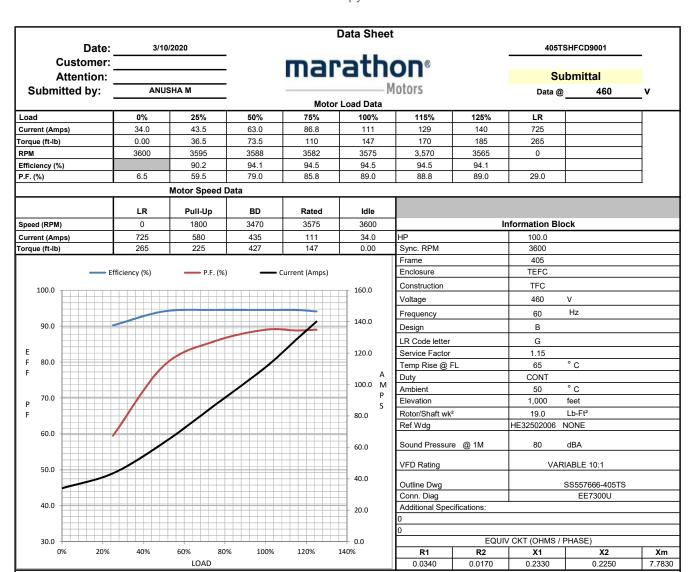


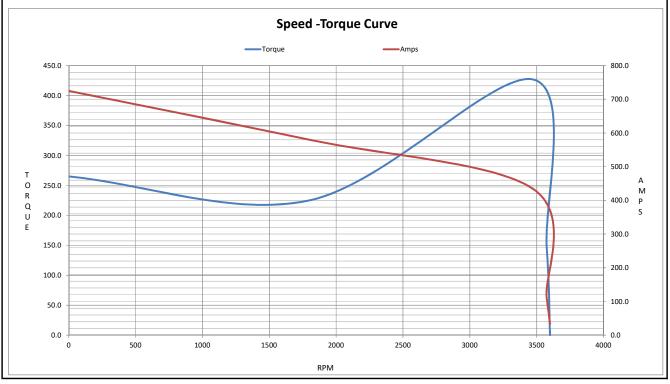
DATA VOLTS:

CERTIFICATION DATA SHEET

						OLIV	TIII IOATION DATA O						
ONN. DIA	AGRAM:	EE7300U SS557666-	40579						MODEL #: CAT #:		D9001 W598A		-
VINDING:		HE3250200		NONE	1				MOUNTING:	F1/F2 CAF	ABLE		
					T	YPICAL	MOTOR PERFORMA	NCE D	ATA				
HP	ĸw	SYNC	RPM	FL R	PM		FRAME ENCLOSURE		CLOSURE	TYPE	KVA CODE		DESIGN
100	75	36	00	357	5	405TS		TEFC		TFC	G		В
PH	HZ	VOI	те	AME	ne .		START TYRE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft
3	60	46		111		START TYPE LINE OR INVERTER	CONT		H	1.15	40	3300	
	F.L. EFF			3/4 LD EFF	94.5		1/2 LD EFF	94.1	GTD EFF			T. TYPE	
	F.L. PF	89.0		3/4 LD PF	85.8		1/2 LD PF	79.0	93.6		SQ CAGE	INV RATED	
F.L. T	ORQUE	LR	AMPS @	460 V		L.F	R. TORQUE		B.D. TORQUI	.	F.L. RISE	≣ (° C)	
147	LB-FT		725		265	LB-FT	180%	427	LB-FT	290%	65		
OLIND PE	RESSURE @	SOL	IND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE	STALL TIME	STA	RTS/HOUR	APROX.	МОТОІ
	dBA		dBA		LB-FT ²	65	LB-FT ²	15	SEC.	017	2	1212	LB.
	NDARD	ODE BR TY STAN	PE	MOUNT TYPE RIGID		TOR TATION ONTAL	SEVERE DUTY PREMIUM SEVERE DUTY	LO	CARDOUS ICATION SION 2 T2B	NO NO	SCREENS NONE		EPOXY)
	RINGS	GRE	ASE	SHAFT	TYPE		SPECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
DE BALL	ODE BALL	5011/5					110115			40.45 1107 501 1 50 40 004		OAST IDON	
6314	6314	POLYR	EX EM	TS	-		NONE		NONE	1045 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS PROTECTORS		CTORS	WDG RTD's			BRG RTD's	THERMISTORS		CONTROL		SPACE	HEATERS	
N	ONE	NO	T	NON	IE		NONE		NONE		FALSE	1	NΑ
R1 (ol	hms/ph)	R2 (oh	ms/ph)	X1 (ohn	ns/ph)		X2 (ohms/ph)	Xm	(ohms/ph)	VIBRA	TION (in/sec)		
0.	.034	0.0	17	0.23	3		0.225		7.783		0.080		
*									If Inverter	equals NOI	NE, contact factory	for further info	rmation
N O T									INVERTER INV. HP SPEEI		VARIABLE 10:1 NONE		
E									ENCODER:	NONE			
\$ *									NONE NONE			NONE	PPR
PRE	PARED BY:	ANUSHA M							BRAKE: NOI FT-LB:		NON NA		
TODM: 25	31 REV 4								VOLTAGE:		NONE		н

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







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: 405TSHFCD9001

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

Catalog No: W598A

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