PRODUCT INFORMATION PACKET

Model No: 405TSTFCD6502 Catalog No: E493A Severe Duty Motors, TEFC, 100 HP, 3 Ph, 60 Hz, 575 V, 3575 RPM, 405TS Frame



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Nameplate Specifications

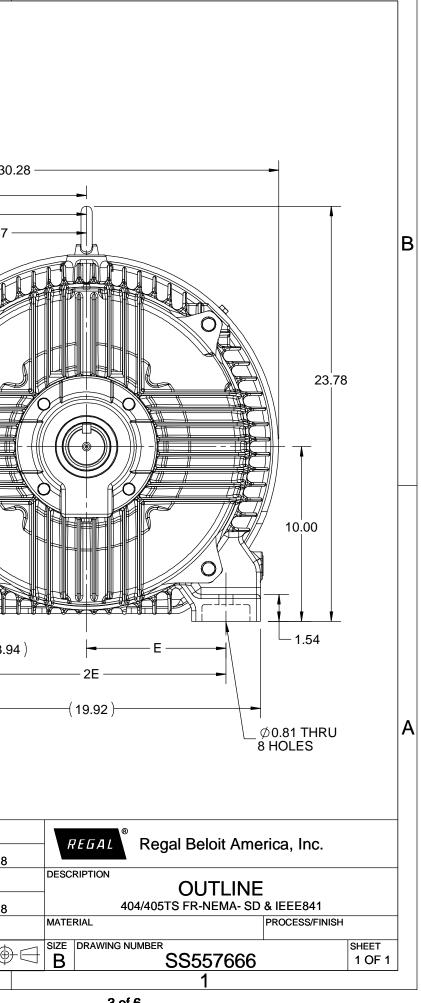
Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	575 V
Current	89.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	89
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Listed	CSA	Y
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Selective Clockwise
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
Connection Drawing	EE7300	Outline Drawing	SS557666

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			4					3			2	
	В	C	E	2E	2F	2FF	BA	BS	MOUNTING			
	16.85	35.88	8.00	16.00	12.25	13.75	6.62	6.87	F1 OR F2			
B						- C		0.19 MIN	$\psi z.izs$	10.52		
A						-2F		- BA		<u> </u>	3" NPT LEAD HOLE	
			F2 V	/IEW				C ECO ECO-019 ECO DESCRIF PROPRIETARY REGAL BEL INFORMATION BY RECEIVING TO ANY PERSC AS EXPRESSL BE RETT	TION DRAWING UP ER REVISION DATE REGAL BELOIT AND CONFIDENTIAL INFORMATION OIT AMERICA, INC. ("OWNER") AND I. ANY PERSON, CORPORATION OR IT, TO AGREE THAT IT, AND/OR ANN N, CORPORATION OR OTHER ENTIT Y APPROVED IN WRITING IN ADVAN INRED TO OWNER UPON REQUEST.	DATED AMERICA, INC. ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF CONTAINS OWNER'S PROPRIETARY OTHER FIRM RECEIVING IT IS DEEMED, (PART OF IT, SHALL NOT BE DISCLOSED Y, DUPLICATED, AND/OR USED, EXCEPT CE BY OWNER. THIS DOCUMENT SHALL	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY 2	DRAWN BY BISWA DATE 24/12/2018 APPROVED BY SBD DATE 24/12/2018 REFERENCE THIRD ANGLE PROJECTION



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					ma	га	Motors				DATA VOLTS:	575	
						CER	TIFICATION DATA S	HEET					
CONN. DIA	AGRAM:	EE7300					R	EFERENC	E MODEL #: CAT #:	405TSTFCD65 E4	02 93A		
OUTLINE: WINDING:		-SS557666 HA	405TS 32502006	NONE	3					F1/F2 CAPABL	E		
						PICAL	PICAL MOTOR PERFORMANCE DATA				KVA CO		DEDIO
HP 100	KW 75	SYNC RPM FL RPM 3600 3575				405TS		EFC	TYPE TFC	G	JDE	B	
						1							
PH 3	HZ 60	VOL 57		AMF 89			START TYPE			INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (F 3300
			-							· ·· ·			
	F.L. EFF	94.5		3/4 LD EFF	94.5		1/2 LD EFF	94.1	GTD EFF		ELECT. TY		
	F.L. PF	89.0		3/4 LD PF	85.8		1/2 LD PF	79.0	93.6		SQ CAGE INV	RATED	
EI T/	ORQUE		LR AMPS				R. TORQUE	B D TOPO		UE F.L. RISE		(° C)	
	LB-FT		580		265	LB-FT	180%	B.D. TORQUE 427 LB-FT 29		290%	75		
SOUND P	RESSURE	SOU	ND	ROTOR			MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	AP	ROX.
78	dBA	87	dBA	19.0	LB-FT ²	65	LB-FT ²	15	SEC.		2	1146	LB.
						*** 0115		TION ***					
		ODE BR	ACKET	MOUNT	мо	TOR	PLEMENTAL INFORMA		RDOUS	Г			
DE BRACKET TYPE		TYPE TYPE		ORIENTATION SEVERE DUTY		LOCATION		DRIP COVER SCREENS		PAINT			
STAN	IDARD	STAN	DARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (EPOXY)
BEARINGS DE ODE		GRE	ASE	SHAFT	TYPE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL FRAME MA		IATERIA
BALL 6314	BALL POLYREX EM TS		NONE NONE		1045 HOT ROLLED (C-204)		CAST IRON						
		PROTE		WDG R	TD 1-		BRG RTD's	THERMISTORS CO				ACE	
	THERMOSTATS NONE		DT	NON		NONE		NONE		FALSE		NA	
	HONE												
				X1 (ohm		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
NC R1 (oh	nms/ph)	R2 (ohr				i i	0.55		19	0.0	080	0	DE
NC R1 (oh	1ms/ph) 28125	R2 (ohr 0.042		0.568	75		0.55		10				
NC R1 (oh				0.568	575			lf Inverter			for further inform	nation	
NC R1 (oh 0.082				0.568	75			If Inverter	equals NONE	, contact factory	for further inform CONSTANT 2:1		10:1
NC R1 (oh 0.082 * N O				0.568	375			If Inverter	equals NONE INVERT	, contact factory	CONSTANT 2:1		10:1
NC R1 (oh 0.082 * N O T				0.568	375			lf Inverter	equals NONE INVERT INV. HP SF	, contact factory ER TORQUE: PEED RANGE:	CONSTANT 2:1		10:1
NC R1 (oh 0.082 * N O T E				0.568	175			lf Inverter	equals NONE INVERT INV. HP SF ENCODER:	, contact factory ER TORQUE: PEED RANGE:	CONSTANT 2:1		10:1
NC R1 (oh 0.082 * N O T				0.568				If Inverter o	equals NONE INVERT INV. HP SF ENCODER: NONE	, contact factory ER TORQUE: PEED RANGE:	CONSTANT 2:1	VARIABLE	
NC R1 (oh 0.082 * N O T E S				0.568	75			If Inverter	equals NONE INVERT INV. HP SF ENCODER:	, contact factory ER TORQUE: PEED RANGE: NONE	CONSTANT 2:1		
NC R1 (oh 0.082 * N O T E S *	28125 ARED BY:	0.042	1875	0.568				If Inverter	equais NONE INVERT INV. HP SF ENCODER: NONE NONE BRAKE: N	, contact factory ER TORQUE: EED RANGE: NONE NONE	CONSTANT 2:1. NONE	NONE	
NC R1 (oh 0.082 * N O T E S *	28125		1875	0.568				If Inverter o	equals NONE INVERT INV. HP SF ENCODER: NONE NONE BRAKE: N FT-LB:	, contact factory ER TORQUE: EED RANGE: NONE NONE DNE	CONSTANT 2:1, NONE NONI	NONE	PPR
NC R1 (oh 0.082 * N O T E S * PREP.	28125 ARED BY:	5/13/2	1875	0.568				lf Inverter	equais NONE INVERT INV. HP SF ENCODER: NONE NONE BRAKE: N	, contact factory ER TORQUE: EED RANGE: NONE NONE DNE	CONSTANT 2:1. NONE	NONE	

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