PRODUCT INFORMATION PACKET



Model No: 254TTFL16078 Catalog No: C255B

XRI® General Purpose General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

1200 & 1000 RPM, 254TC Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 254TTFL16078, Catalog No:C255B XRI® General Purpose General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 254TC Frame, TEFC



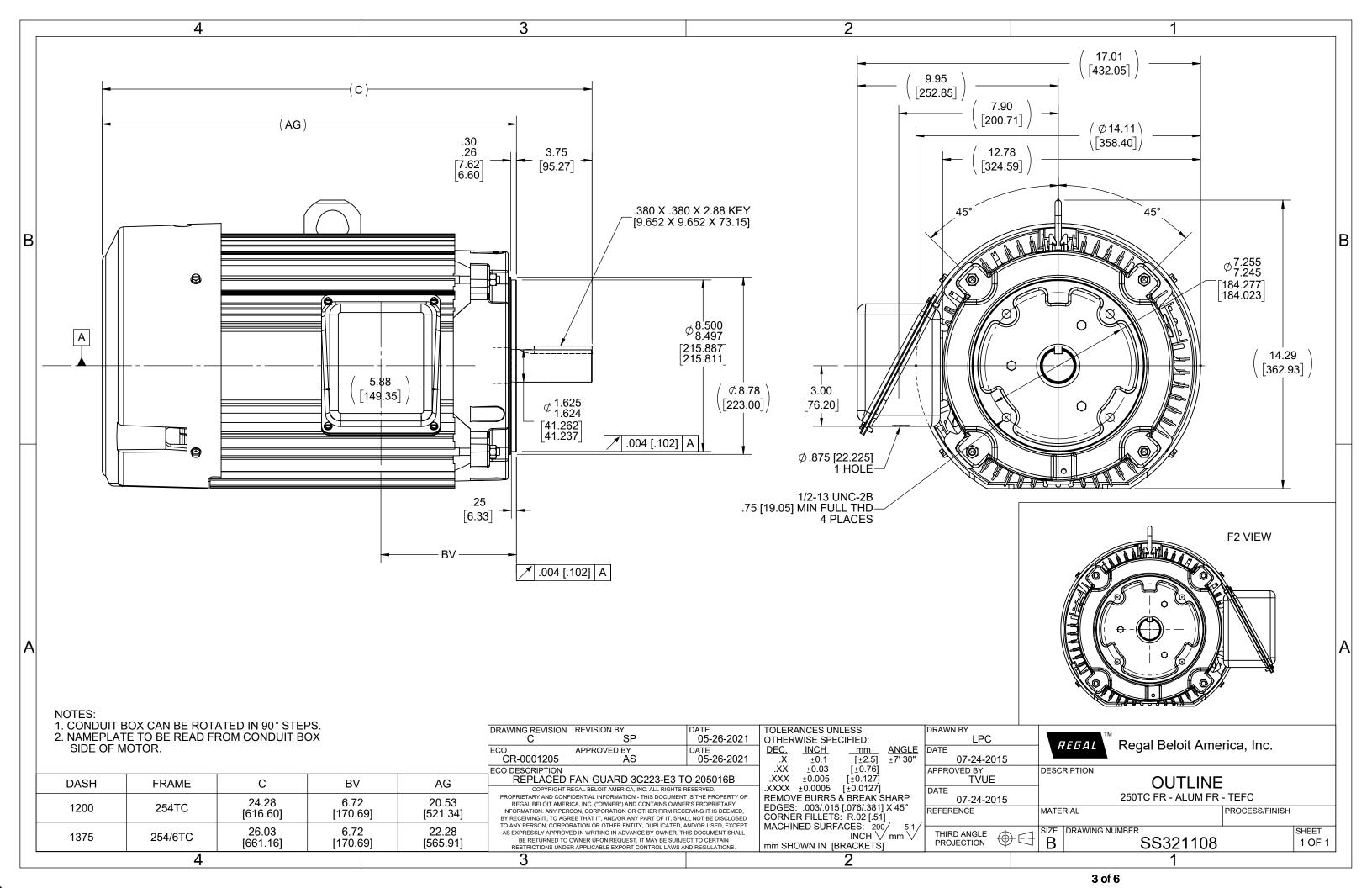
Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp 230/460 & 190/380 V			
Output KW	5.6 & 3.7 kW	Voltage				
Speed	1175 & 975 rpm	Service Factor	1.15 & 1.0			
Frame	254TC	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91 & 89.5 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	19.8/9.9 & 17/8.5 A	Power Factor	78			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	Н			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208			
UL	Recognized	CSA	Υ			
CE	Υ	IP Code	43			
Number of Speeds	1					

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	1.319 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	24.02 in
Frame Length	12.00 in	Shaft Diameter	1.625 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308	Outline Drawing	B-SS321108-1200

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023





CUSTOM ORDER # CONN. DI OUTLINE WINDING SPEED:	: AGRAM: :	EE7308 B-SS3211	108-1200 254653	R14	CE		electi	CUSTON CUSTON CUSTON	OMER P.O. #: EE MODEL #: CAT #: MER PART #:	254TTFL1607	1 54401-8003 -3311 DATA VOLTS: -78 -255B	460	
TYPICAL MOTOR PERFORMANCE DATA													
HP	KW	SYN	C RPM	FL R	FL RPM FRAME		RAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.6	1:	200	117	75	254TC		TEFC		TFY	Н		В
PH	HZ	VC	DLTS	AMI	PS	STAF	RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.
3	60/50	230/460	0#190/380	19.8/9.98	&17/8.5	ACROS	S THE LINE	С	ONT	F	1.15	40	3300
	F.L. EFF	91.0	 	3/4 LD EFF		1/2 LD EFF		90.2 GTD EFF		ELECT. TYPE			
	F.L. PF	78.0		3/4 LD PF	72.5		1/2 LD PF	61.0	90.2		SQ CAGE IND	RUN	
FIT	ORQUE		R AMPS @	460 V		L.R. TORQUE		B.D. TORQ		UE F.L. RISE (°C)		(°C)	1
33.5	LB-FT		63.5	400 V	72.0	LB-FT	215%	103	LB-FT	307%	40	(C)	1
		l											.1
@	3 FT.	PO	WER	ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		МОТО	R WGT
56	dBA	65	dBA	2.50	LB-FT ²	170 LB-FT ²		20 SEC .		2		350 LB .	
DE BRAG	**** SUPPLEMENTAL INFORMATION *** ODE BRACKET MOUNT MOTOR SEVERE HAZARDOUS DRIP DE BRACKET TYPE TYPE ORIENTATION DUTY LOCATION COVER SCREENS PAINT										UNT		
	ACE		NDARD	ROUND		ZONTAL			NONE		NONE	BLUE (ENAMEL)	
										•			
BEA	RINGS	GR	EASE	SHAFT	TYPE	SPF	CIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME N	MATERIAL
DE	ODE	GNEASE		OHA!		0. 2.	JIAL DL	- SPECIAL ODE		OTAL T MATERIAL		T NAME WATERIAL	
6309	6208	POLYREX EM		Т		NONE		NONE		1045 HOT ROLLED (C-204)		ALUMINUM	
THERMOSTATS NONE			ECTORS	WDG RTD's NONE		BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		SPACE HEATERS NA	
												· ·	
R1 (ohms/ph) R2 (ohms/ph)		hms/ph)	X1 (ohr	X1 (ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
0.737 0.6		.673	2.903		3	3.153 53.4		3.487	0.150		ODE		
* N O T	O T E							INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE					
S .							NONE NONE			NONE	PPR		
PREPARED BY: FAREEDA DUDEKULA DATE: 9/10/2018						NONE NONE PPR BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE							

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

