PRODUCT INFORMATION PACKET

Model No: 825408.00 Catalog No: 825408.00 Explosion Proof Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 254T Frame, EPFC



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Nameplate Specifications

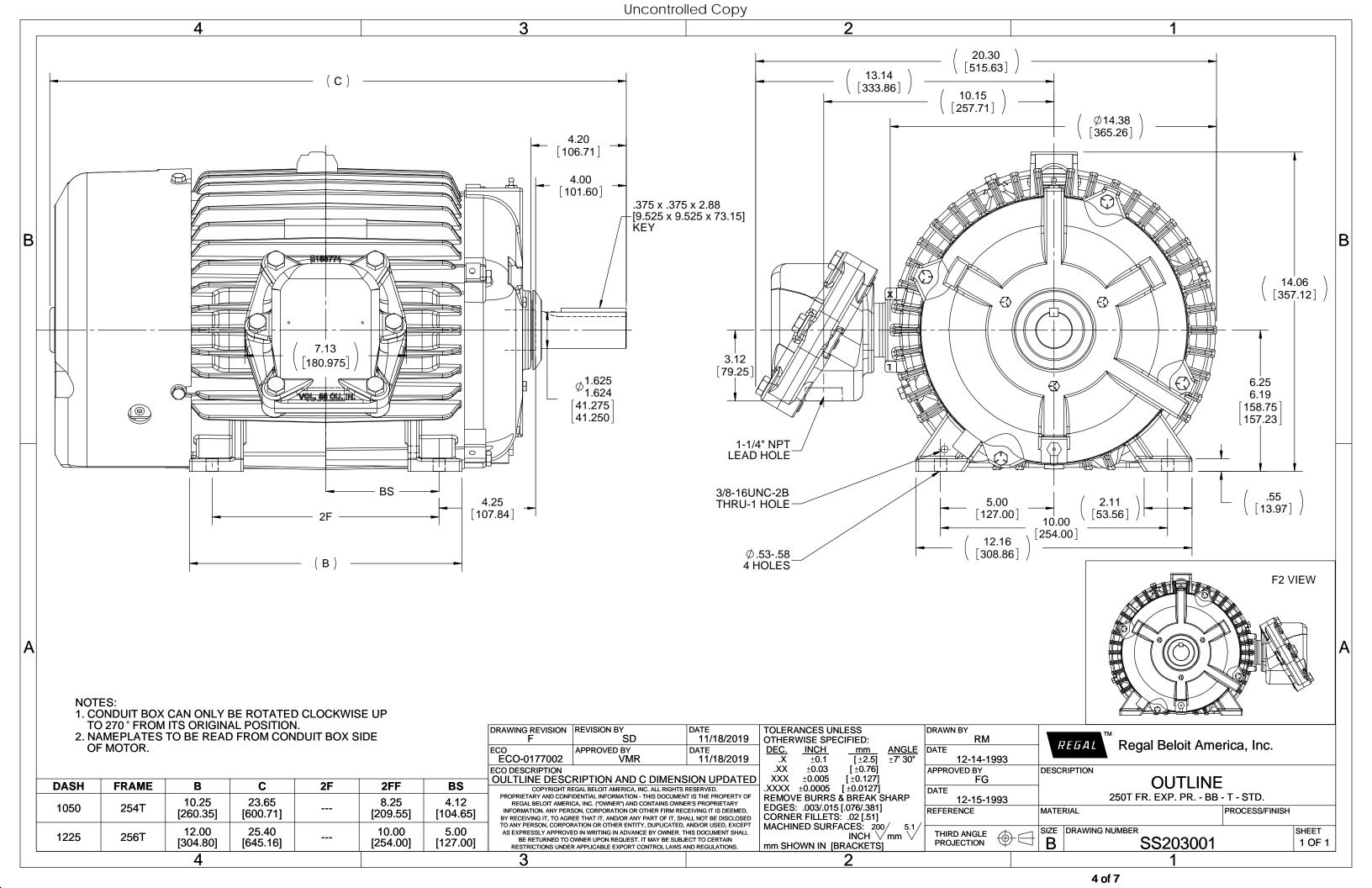
Phase	3	Output HP	7.50 & 5 Hp 230/460 & 190/380 V 1.15 & 1.0			
Output KW	5.6 & 3.7 kW	Voltage				
Speed	1175 & 975 rpm	Service Factor				
Frame	254T	Enclosure	Explosion Proof Fan cooled			
Thermal Protection	Thermostat	Efficiency	91 & 89.5 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	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	6210			
UL	No	CSA	N			
CE	Ν	IP Code	54			
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B			

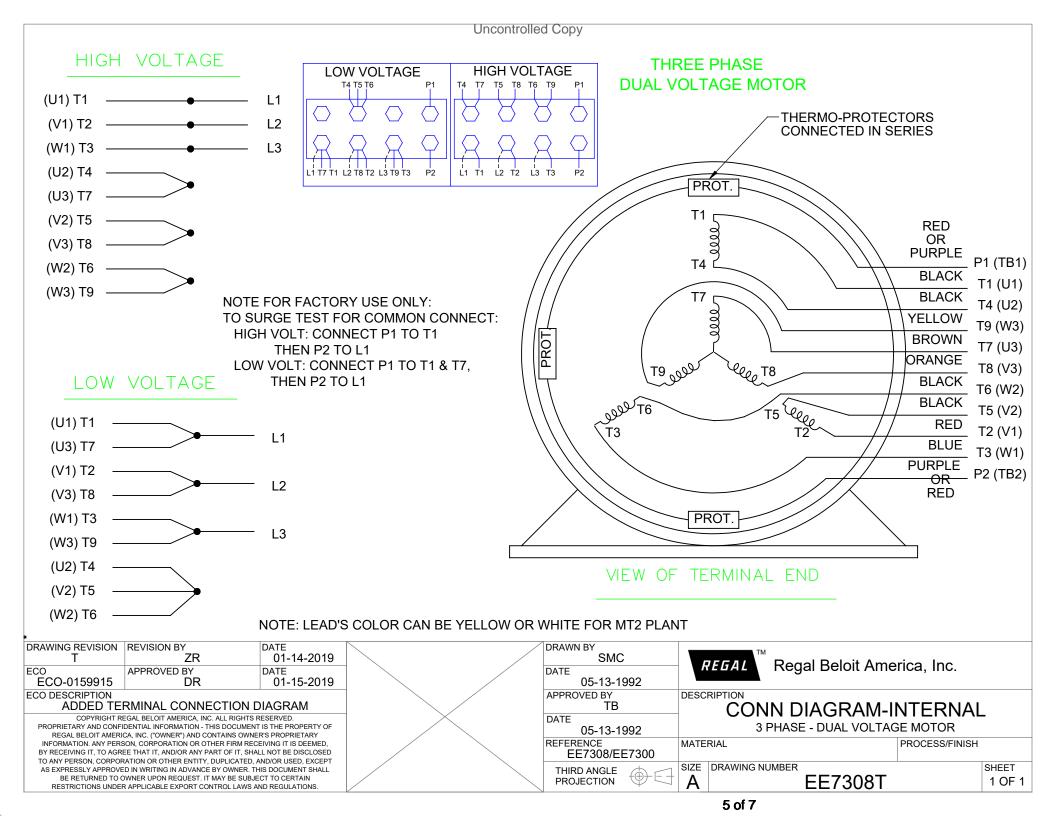
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	6	Rotation	Reversible			
Resistance Main	1.319 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	т	Overall Length	23.52 in			
Frame Length	10.51 in	Shaft Diameter	1.625 in			
Shaft Extension	4 in	Assembly/Box Mounting	F1 Only			
Inverter Load	CONSTANT 10:1					
Outline Drawing	B-SS203001-1050	Connection Drawing	A-EE7308T			

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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DI/ OUTLINE: WINDING:	I	A-EE7308T B-SS20300 254653		NONE	6				CAT #:	825	5408.00			
				TY	PICAL I	MOTOR	PERFORI	MANCE	DATA					
HP	ĸw	S	YNC RPM	FL R	РМ	FRAME		ENCLOSURE		TYPE	KVA CO	KVA CODE		
7.5	5.6	1200		1175		254T		TEFC		TFN	н		В	
						1					1	1	1	
<u>РН</u> 3	HZ 60/50	VOLTS 230/460#190/380		AMPS 19.8/9.9&17/8.5		START TYPE		DUTY CONT		INSL F	S.F. 1.15	AMB 40	ELEV. 3300	
F.L. EFF		91.0		3/4 LD EFF 91.0		1/2 LD EFF		90.2 GTD EFF		ELECT. TYP		PE	È.	
	F.L. PF	78.0		3/4 LD PF	72.5		1/2 LD PF	61.0	90.2		SQ CAGE INV F	RATED		
	F.L. TORQUE LR AMPS @		460 V	V L.R. TORQUE		B.D. TORQUE			F.L. RISE (° C)					
33.5	LB-FT		63.5		72.0	LB-FT	215%	103	LB-FT	307%	40			
PRESSUF 56	RE @ 3 dBA	SOUND 65	POWER	ROTOR 2.50	WK ² LB-FT ²	MAX. L 170	OAD WK ²	SAFE S 20	STALL TIME	STAR	TS/HOUR	MOTOR WGT		
50	UDA	00	UDA	2.50		1	1 1		1		Z	350	LD.	
DE BRA	СКЕТ					PLEMEN	TAL INFOR		*** ARDOUS	DRIP	1			
TYPE ODE			RACKET TYPE	TYPE	TYPE ORIEN		DUTY	LOCATION		COVER	SCREENS	PAINT		
STAND	ARD	ST	TANDARD	RIGID	HORIZ	ONTAL	UM SEVERE	OF CL I GF	R C&D CL II GF	NO	NONE	WAT	TSAVER	
BEARI	NGS ODE	GREASE		SHAFT	SHAFT TYPE S		CIAL DE	SPECIAL ODE		SHAFT	T MATERIAL		FRAME MATERIA	
BALL 6309	BALL 6210	POLYREX EM		т	т		NONE		NONE 1045 HOT R		ROLLED (C-204) CAS		T IRON	
				1									PACE	
THERMOSTATS		PRO	DTECTORS		WDG RTD's		BRG RTD's				NTROL	HE	HEATERS	
TSTATS	(N/C)		NOT	NON	IE	N	ONE	N	IONE	F.	ALSE		NA	
R1 (ohms/ph) 0.737		R2	(ohms/ph) 0.673	X1 (ohms/ph) 2.903		X2 (ohms/ph) 3.153			ohms/ph) 3.487		ION (in/sec)	FLOAT ODE		
			0.073	2.90	5	3	. 155	5	3.407		1.060			
* N O T										ER TORQUE: EED RANGE:	CONSTANT 10: NONE	1		
Е									ENCODER:	NONE				
S *	\$ *					NONE NONE I					PPR			
									BRAKE:		Norz			
	DATE:	8/29/2018							NC FT-LB: VOLTAGE:		NONE NA IONE		н	
									NONE	N	IUNE		H	

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