PRODUCT INFORMATION PACKET



Model No: 213THTL7726 Catalog No: Y545 7 1/2,1800,TENV,213TC,3/60/230/460 1000:1 Speed Ratio



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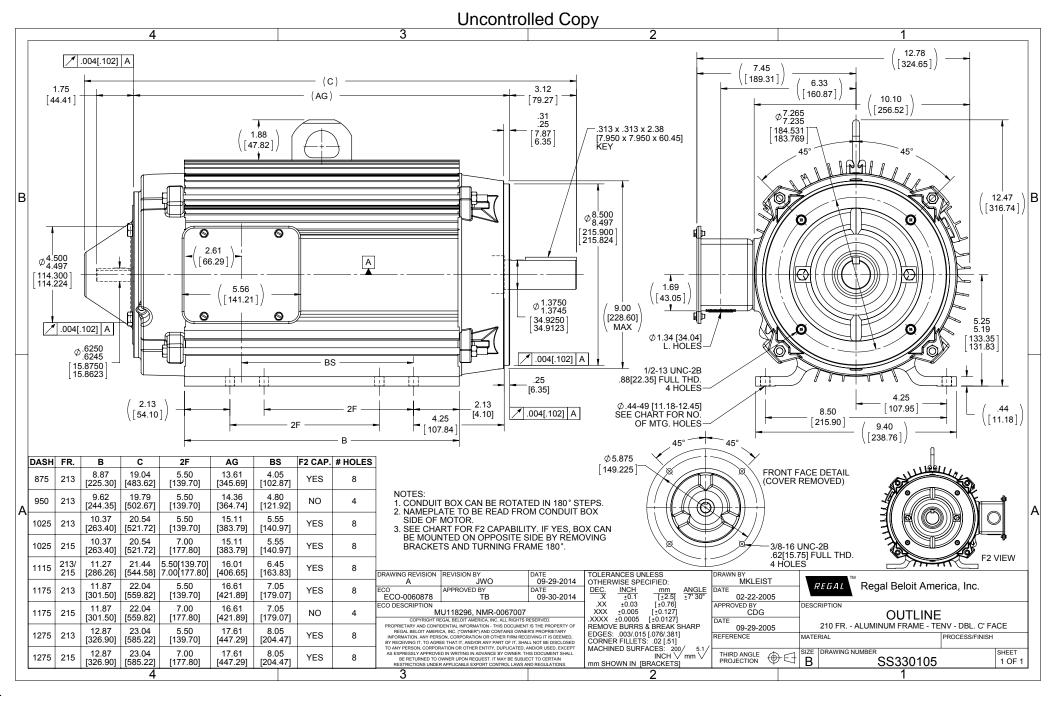
Nameplate Specifications

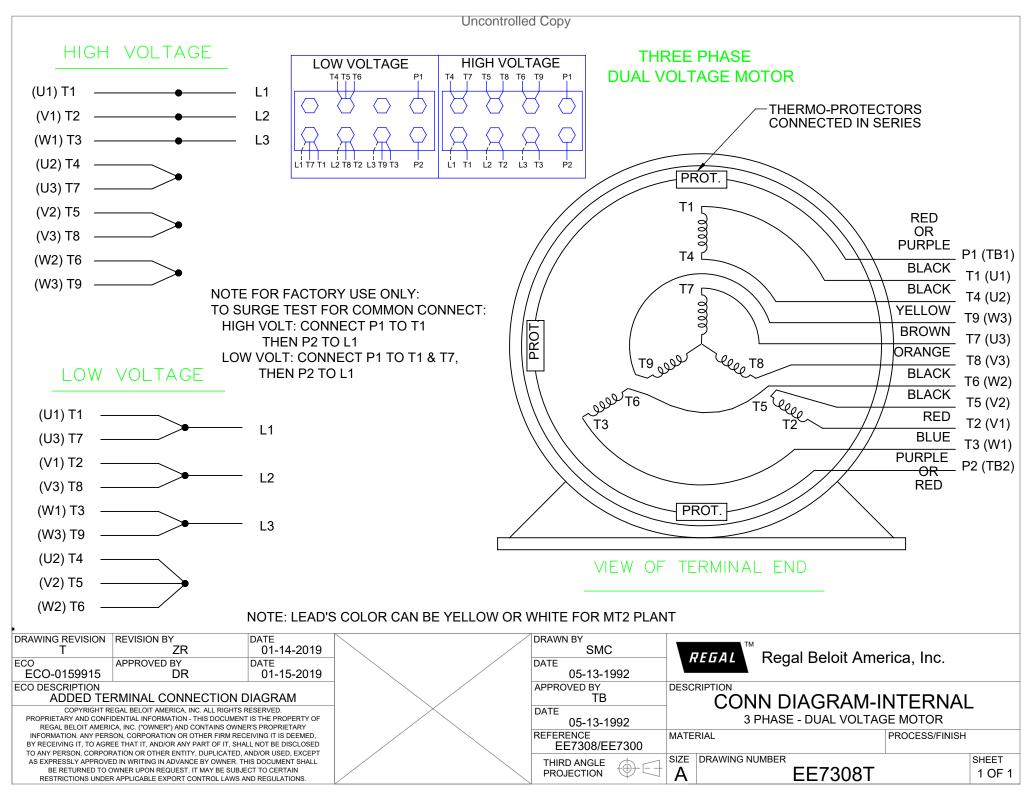
Output HP	7.50 HP	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	21.0/10.5 A	Speed	1765 RPM
Service Factor	1	Phase	3
Efficiency	90.2 %	Duty	Continous
Insulation Class	F	Design Code	INV
KVA Code	L	Frame	213TC
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Υ	CE	Υ
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Aluminum	Shaft Type	Т
Overall Length	20.54 in	Frame Length	10.25 in
Shaft Diameter	1.375 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS330105-1025	Connection Diagram	A-EE7308T

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ASSEMBLY: WINDING#: K2134177 NONE 1 F1/F2 CAPABLE

OUTLINE: B-SS330105-1025

TYPICAL MOTOR PERFORMANCE DATA

1765	1765 213TC		213TC
F.L. RPM	<u>-</u> 	FRAME	A FRAME ENCLOSURE F
	213TC	EN C	

FULL LOAD PF: 76	FULL LOAD EFF: 90.2	
3/4 LOAD PF: 69	3/4 LOAD EFF: 89.5	
1/2 LOAD PF: 56.5	1/2 LOAD EFF: 87.5	
88.5	GTD. EFF	
SQ CAGE INV DUTY	ELEC. TYPE	
11 / 5.5	NO LOAD AMPS	

60

230/460

21/10.5

NVERTER

CONTINUOU

F3

1.0

40

3300

88.5 SQ CAGE INV DUTY
SQ CAGE INV DUTY S. TORQUE B.D. TORQUE
8.D. T
11/5.5 F.L. RISE°C

22.3 LB-FT

180 / 90

59.5 LB-FT 267

95.5 LB-FT 428

80

5 of 7

135 LBS.	0	0 SEC.	0 LB-FT^2	0.9 LB-FT^2	72 dBA	62 dBA
WGT	/HOUR					@3FT.
APPROX MOTOR	STARTS	SAFE STALL TIME	MAX. WK^2	ROTOR WK^2	SOUND POWER	SOUND PRESSURE

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

0.6993 0.567 RM ZREF	R1 R2
0.567 ZREF	R2
1.76526 XR 3.2	X1
2.28044 TD 0.0108	X2
38.178 TD0	MX

*** SUPPLEMENTAL INFORMATION ***

(ENAMEL)							ENCODER	
BLACK	NONE	FALSE	NONE	FALSE	HORIZONTAL	RIGID	BRAKE OR	C-FACE
		COVER	LOCATION	DUTY		TYPE	TYPE	TYPE
PAINT	SCREENS	DRIP	HAZARDOUS	SEVERE	ORIENTATION	MOUNT	ODE BRACKET	DE BRACKET

BEARINGS GREASE SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT FRAME DE OPE MATERIAL MATERIAL MATERIAL MATERIAL BALL BALL POLYREXEM T NONE NONE 1045 HOT ALUMINUM				1
OPE SHAFT TYPE SPECIAL DE SPECIAL ODE MATERIAL BALL POLYREXEM T NONE NONE ROLLED (C-204)	BEAR	ᇛ	BALL	
SHAFT TYPE SPECIAL DE SPECIAL ODE MATERIAL T NONE NONE 1045 HOT ROLLED (C-204)	INGS	OPE	BALL	8208
SPECIAL DE SPECIAL ODE MATERIAL NONE NONE 1045 HOT ROLLED (C-204)	GREASE		POLYREX EM	
NONE ROLLED (C-204)	SHAFT TYPE		4	
SHAFT MATERIAL 1045 HOT ROLLED (C-204)	SPECIAL DE		NONE	
<u>4</u>	SPECIAL ODE		NONE	
MATERIAL ALUMINUM	SHAFT	MATERIAL	1045 HOT	ROLLED (C-204)
	FRA	MAT	ALUM	

	THERMO-PROTECTOR:	ROTECTORS		THERMISTORS	CONTROL
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs		
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE

If Inverter equals NONE, contact factory for further

ENCODER: PROVISIONS ONLY
NORTHSTAR ST56
NONE NONE PPR BRAKE: PROVISIONS ONLY
NONE P/N NONE INV. HP SPEED RANGE: 2.0 X BASE SPEED INVERTER TORQUE: CONSTANT 1000:1 NONE

DATE: 06/22/2017 04:03:46 AM FORM 3531 REV.3 02/07/99
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NONE NONE

NONE V

NONE Hz

