

PRODUCT INFORMATION PACKET



Model No: 140770.00

Catalog No: 140770.00

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
213TC Frame, TEFC



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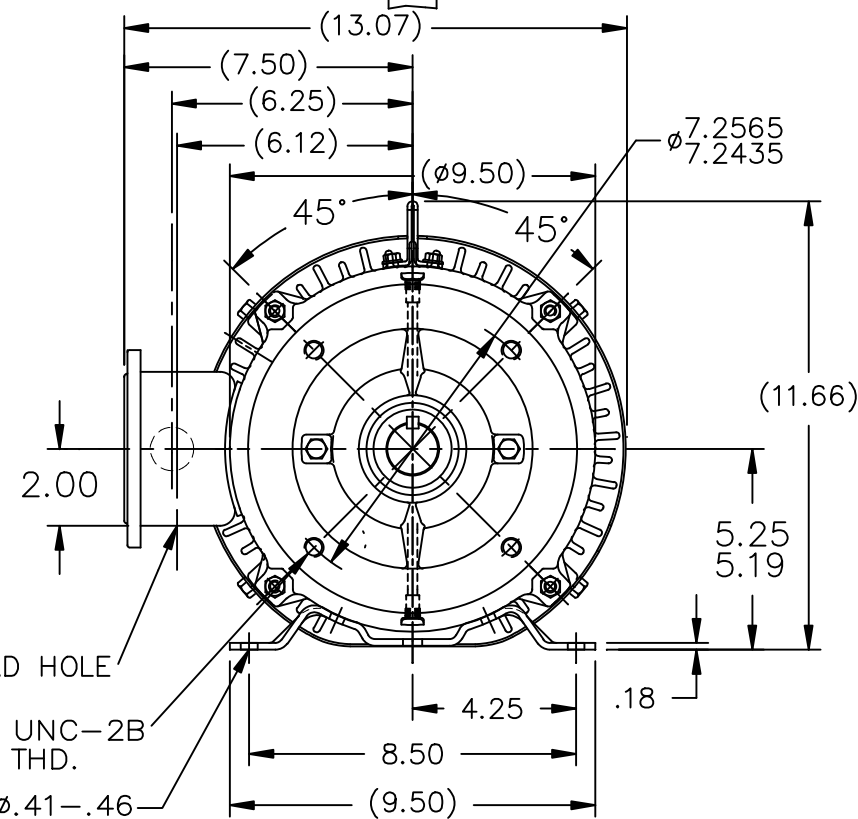
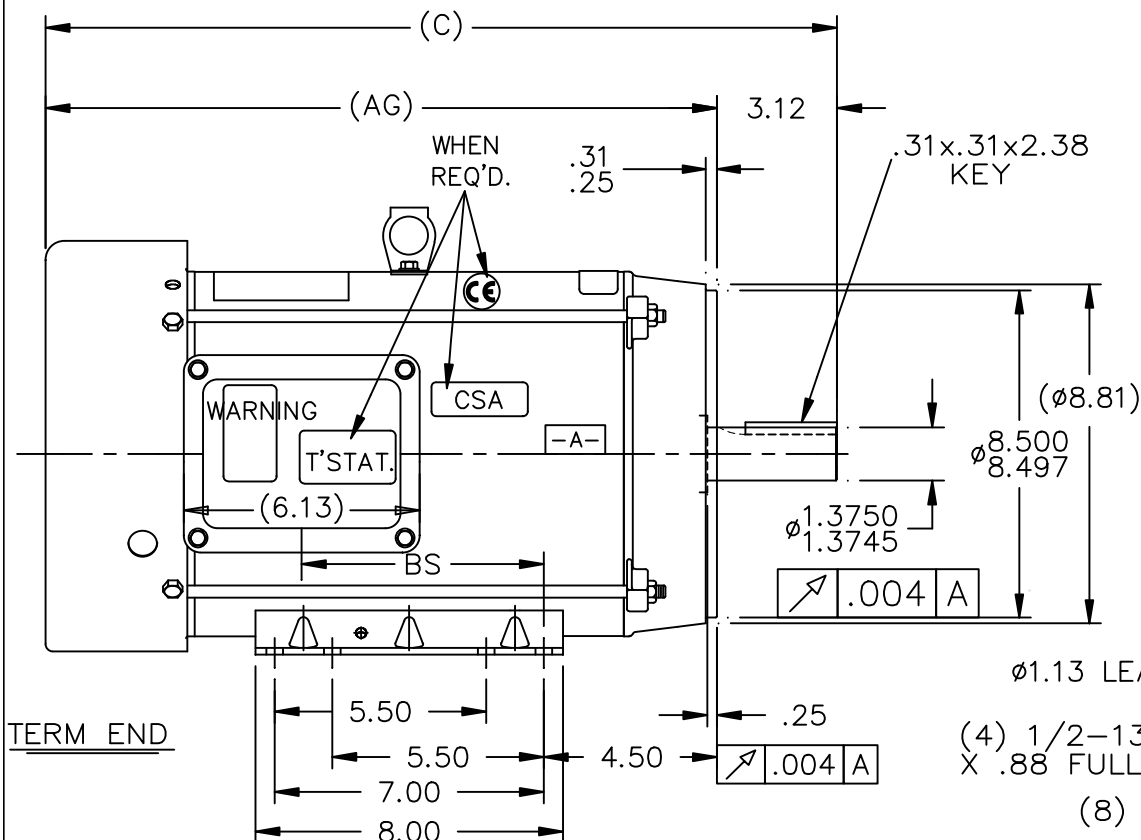


Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	3540 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	90.2 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	17.8/8.9 & 15/7.5 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	309	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.163 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	20.57 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS88675LE-1115	Connection Drawing	A-EE7308T-LE




DASH	FR.	C	AG	BS	MOUNTING
965	213T	19.07	14.85	4.80	
1115	213/15T	20.57	17.45	6.30	
1240	213/15T	21.82	18.70	7.55	F1 ONLY

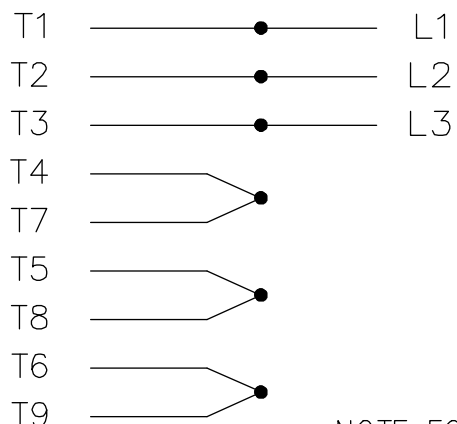
NOTES:

- NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED.)

3. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

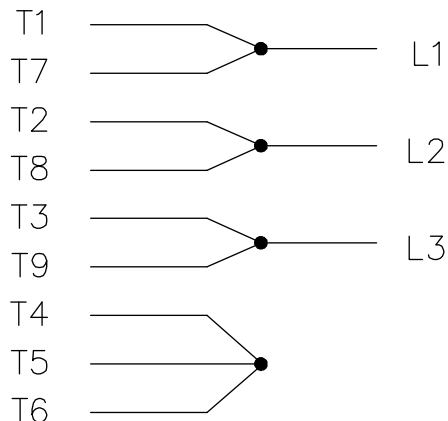
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 07-16-2002				
				DEC.	INCHES		CHK DRS 07-18-2002				
3	ADDED NOTE 3 & REMOVED GROMMET CN 31848, 31881	DRS 10-21-2002	ML	.X	±.1		APPD TB 07-19-2002				
2	REMOVED "BOX CAN BE MOUNTED IN 90 DEG STEPS" FROM NOTES. CN29200-2517	RJM 08-20-2002	JPL	.XX	±.03	TITLE OUTLINE 210 FR. - BB - TS - TEFC - R/S - C'FACE	SCALE 1=5				
1	NEW DRAWING	HLB 07-19-2002	TB	.XXXX	±.0005	MAT'L.	REF				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	FMF				
							PREV				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE ss88675le	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST LB-LE			A	SS88675LE		3	

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

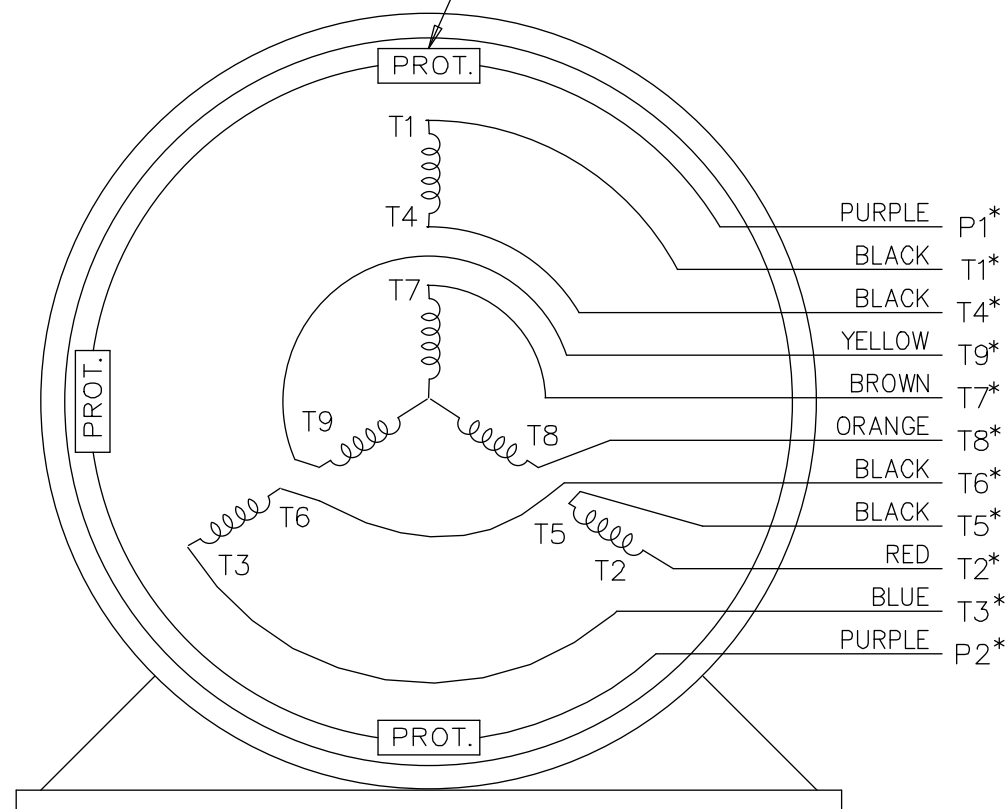
LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR


EE7308T-LE

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

* USE LEADS AS PER PLANT STANDARD IRRWSPECTIVE OF THEIR COLOUR.

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJB 05-07-2002			
05	ADDED * NOTE PER ECN # 26921	UD 01-30-2013	JD	DEC.	INCHES		CHK ML 05-08-2002			
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1		APPD TB 05-08-2002			
03	RE-ISSUE	NJS 04-21-2004	JET	.XX	±.02		SCALE 1=1			
02	REDRAWN	TAT 04-20-2004	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM 3 PHASE – DUAL VOLTAGE MOTOR	REF			
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.XXXX	±.0005		MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
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			DIST LB-WP-LE				A	EE7308T-LE		05

Data Sheet

Date: 1/31/2018

140770.00



Data @ 460 V

Motor Load Data

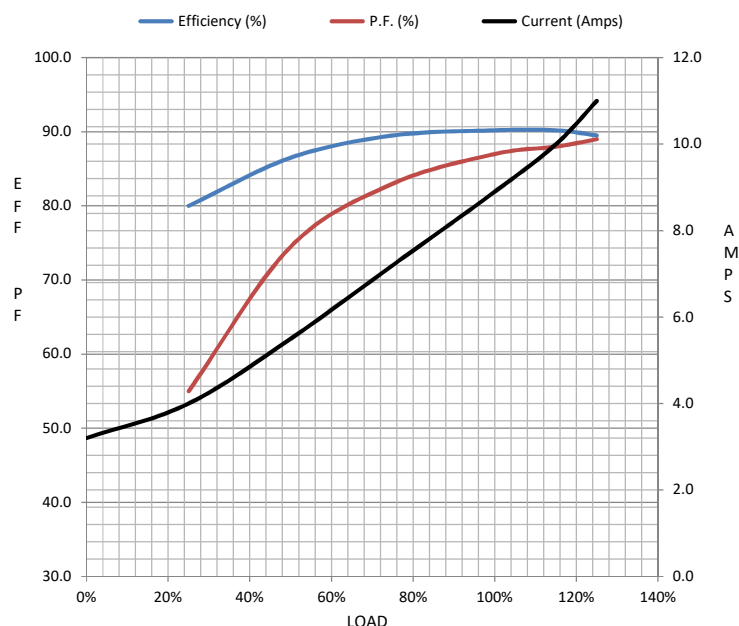
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.2	4.0	5.5	7.2	8.9	10.0	11.0	63.5	
Torque (ft-lb)	0.00	2.50	5.5	8.5	11.1	12.5	14.0	24.0	
RPM	3600	3585	3575	3560	3540	3,535	3530	0	
Efficiency (%)		80.0	86.5	89.5	90.2	90.2	89.5		
P.F. (%)	12.0	55.0	74.5	83.0	87.0	88.0	89.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3250	3540	3600
Current (Amps)	63.5	57.0	40.0	8.9	3.2
Torque (ft-lb)	24.0	22.0	38.0	11.1	0.00

Information Block

HP	7.5			
Sync. RPM	3600			
Frame	213			
Enclosure	TEFC			
Construction	TFN			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	40	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.55	Lb-Ft²		
Ref Wdg	K213269	NONE		
Sound Pressure @ 1M	72	dBA		
VFD Rating	NONE			
Outline Dwg	A-SS88675LE-1115			
Conn. Diag	A-EE7308T-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.6880	0.4690	2.2980	2.3930	80.8920



Speed - Torque Curve

