

PRODUCT INFORMATION PACKET



Model No: 143TTGN7076

Catalog No: H350

Explosion Proof Motor, 0.75 & 0.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,
143T Frame, EPFC

Operational at 208-230/460 V @60HZ



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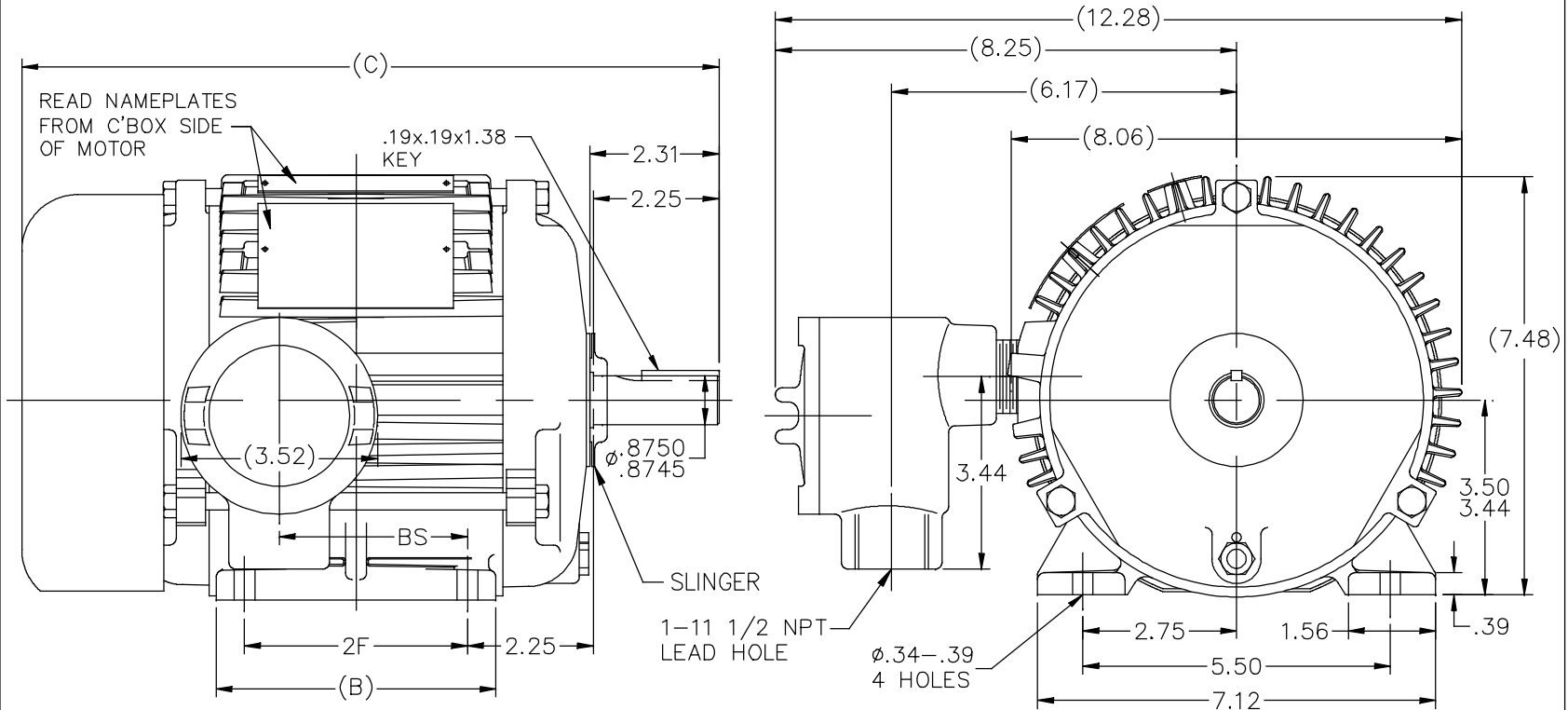
Nameplate Specifications

Phase	3	Output HP	0.75 & 0.50 Hp
Output KW	0.56 & 0.37 kW	Voltage	230/460 & 190/380 V
Speed	1145 & 970 rpm	Service Factor	1.15 & 1.15
Frame	143T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	74 & 73.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3.2/1.6 & 3/1.5 A	Power Factor	59.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR D CL II GR FG T3B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	6.3 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	12.48 in
Frame Length	5.25 in	Shaft Diameter	0.875 in
Shaft Extension	2.31 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	EE7308T	Outline Drawing	100612-525

100612



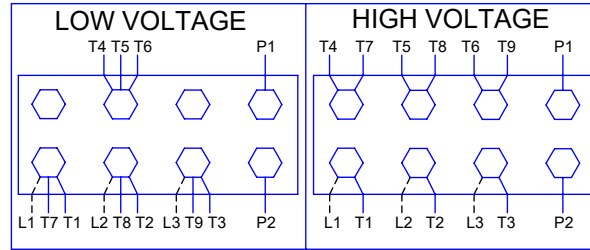
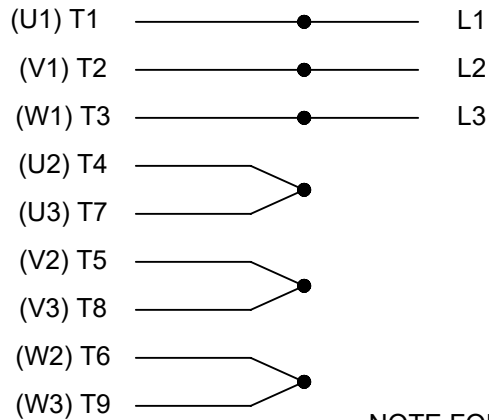
DASH	FR.	C	B	2F	BS
525	143	12.48	5.00	4.00	3.37
625	145	13.48	6.00	5.00	3.87

NOTE:
1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	DRAWN SMC 05-21-1992				
								DEC.	INCHES	CHK	ML 05-21-1992
6	ADDED SLINGER	SG 02/04/19	UD				APPD JA 05-29-1992				
5	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	X	±.1		SCALE 3=8				
4	ADDED DRAIN PLUG TO REAR BRACKET CN 26916	DRS 01-11-1999		.XX	±.03	TITLE OUTLINE	REF				
3	ADDED 'BS' DIMENSION	MRB 04-25-1996		.XXX	±.005	140 FR.-BB-EXP.PR.-TS (629 NEW DESIGN)					
2	REVISED NOTE CN 14695	RM 10-14-1992		.XXXX	±.0005	MAT'L.	FMF				
					±7'30"		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 100612	SIZE A	DRAWING NO. 100612	PAGE OF 6	REV. 6
						DIST WP					

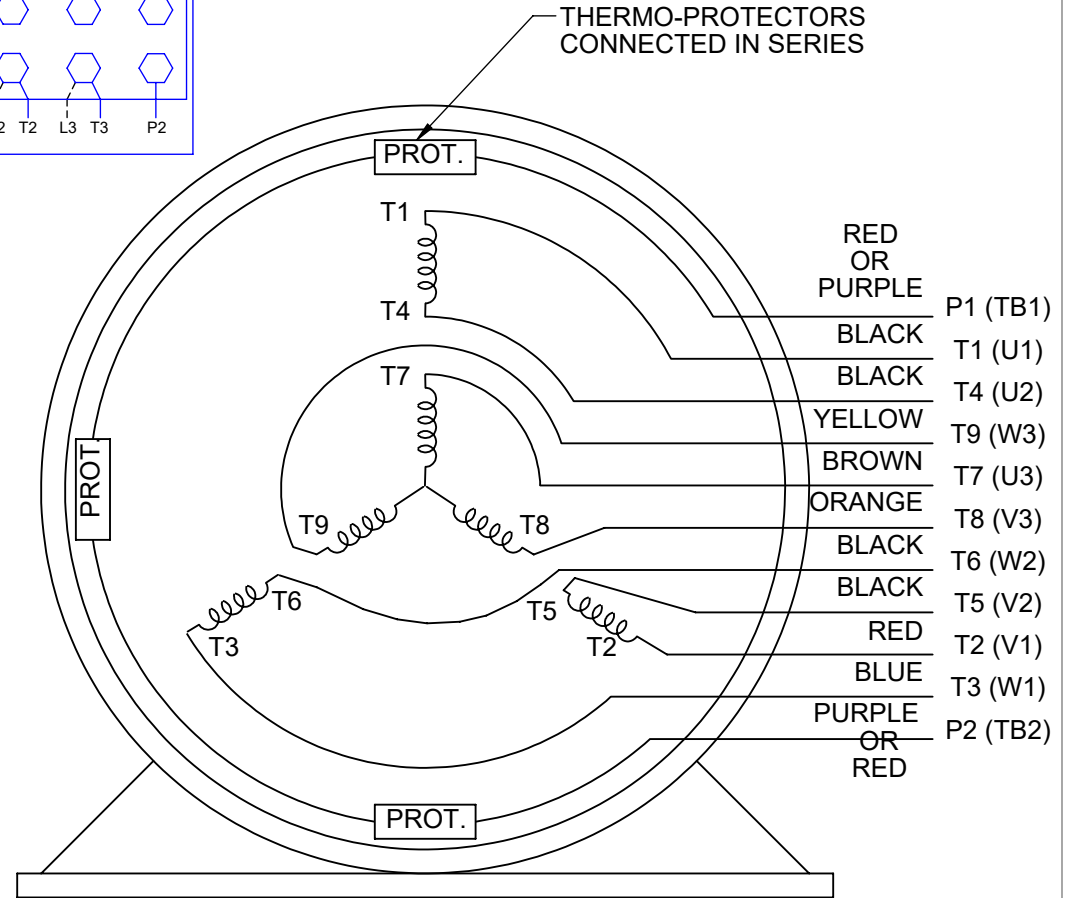


HIGH VOLTAGE



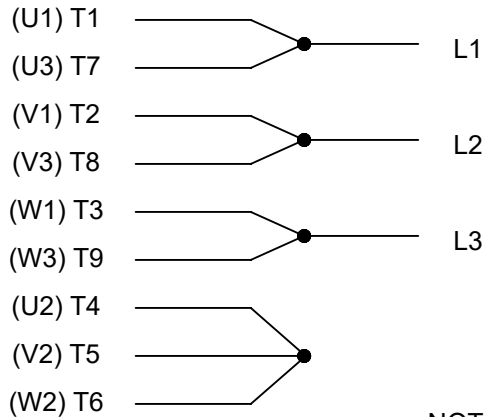
**THREE PHASE
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS
CONNECTED IN SERIES



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



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019		DRAWN BY SMC	Regal Beloit America, Inc.	
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019		DATE 05-13-1992		
ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR	
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			REFERENCE EE7308/EE7300	SIZE A	DRAWING NUMBER EE7308T	SHEET 1 OF 1
			THIRD ANGLE PROJECTION			

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/29/2017

143TTGN7076

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

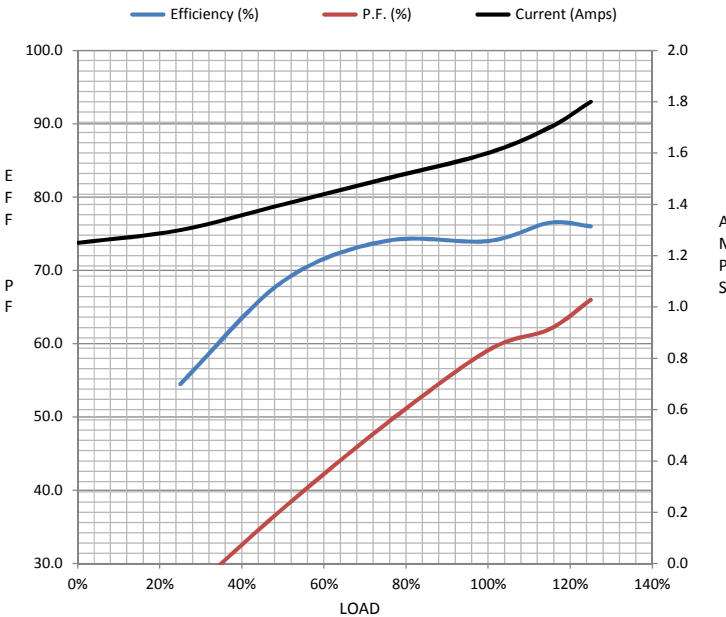
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.25	1.30	1.40	1.50	1.60	1.70	1.80	8.5	
Torque (ft-lb)	0.00	0.83	1.70	2.50	3.4	4.0	4.3	8.8	
RPM	1200	1190	1180	1160	1145	1,140	1135	0	
Efficiency (%)		54.5	68.5	74.0	74.0	76.5	76.0		
P.F. (%)	10.2	25.0	37.5	49.0	59.1	62.0	66.0	69.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	573	845	1145	1200
Current (Amps)	8.5	7.3	6.0	1.60	1.25
Torque (ft-lb)	8.8	10.8	12.6	3.4	0.00

Information Block

HP	0.8			
Sync. RPM	1200			
Frame	143			
Enclosure	TEFC			
Construction	TFN			
Voltage	3-230/460#190/V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.06 Lb-Ft ²			
Ref Wdg	ZT607 FS			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	A-100612-525			
Conn. Diag	A-EE7308T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
16.2540	10.9620	18.4460	19.0890	207.9000



Speed - Torque Curve

