

PRODUCT INFORMATION PACKET

Model No: 145TTGN6501

Catalog No: U059A

2 HP Explosion Proof Motor, 3 phase, 3600 RPM, 230/460 V, 145T Frame, EPFC
Explosion Proof NEMA Motors

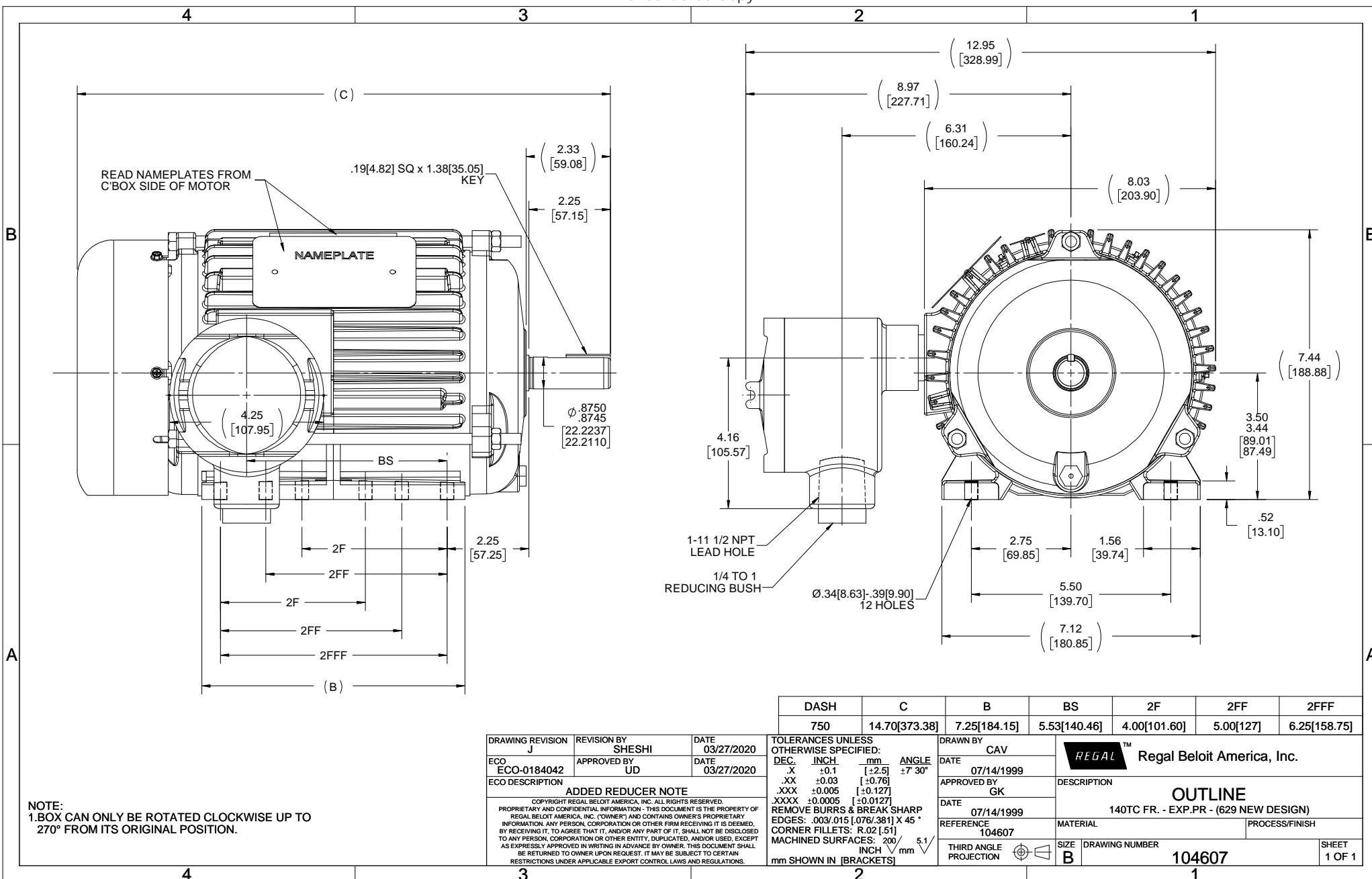


Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.2/2.6 A	Speed	3500 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Frame	145T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR D CL II GR F&G T3B		

Technical Specifications


Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	7.1 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	14.73 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.31 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-104607-750	Connection Drawing	A-EE7308T



DASH	C	B	BS	2F	2FF	2FFF
750	14.70[373.38]	7.25[184.15]	5.53[140.46]	4.00[101.60]	5.00[127]	6.25[158.75]

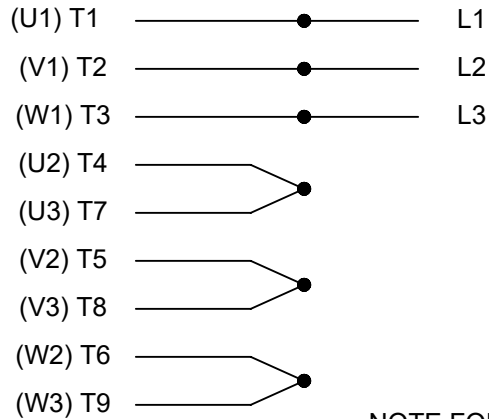
DRAWING REVISION J	REVISION BY SHESHI	DATE 03/27/2020
ECO ECO-0184042	APPROVED BY UD	DATE 03/27/2020
ECO DESCRIPTION ADDED REDUCER NOTE		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	+0.1	[+2.5]	±7-30°
.XX	+0.03	[+0.76]	
.XXX	+0.005	[+0.127]	
.XXXX	+0.0005	[+0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200 $\sqrt{\text{mm}}$ 5.1 $\sqrt{\text{INCH}}$			
mm SHOWN IN [BRACKETS]			

DRAWN BY CAV	 Regal Beloit America, Inc.
DATE 07/14/1999	
APPROVED BY GK	DESCRIPTION OUTLINE 140TC FR. - EXP.PR - (629 NEW DESIGN)
DATE 07/14/1999	MATERIAL
REFERENCE 104607	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
DRAWING NUMBER 104607	SHEET 1 OF 1

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

HIGH VOLTAGE



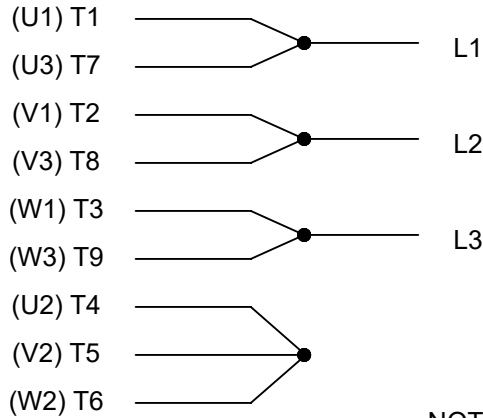
**THREE PHASE
DUAL VOLTAGE MOTOR**

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			

