

PRODUCT INFORMATION PACKET

Model No: 143TTGN4062

Catalog No: C320A

1 HP Explosion Proof Motor, 3 phase, 1800 RPM, 230/460 V, 143TC Frame, EPFC
Explosion Proof NEMA Motors

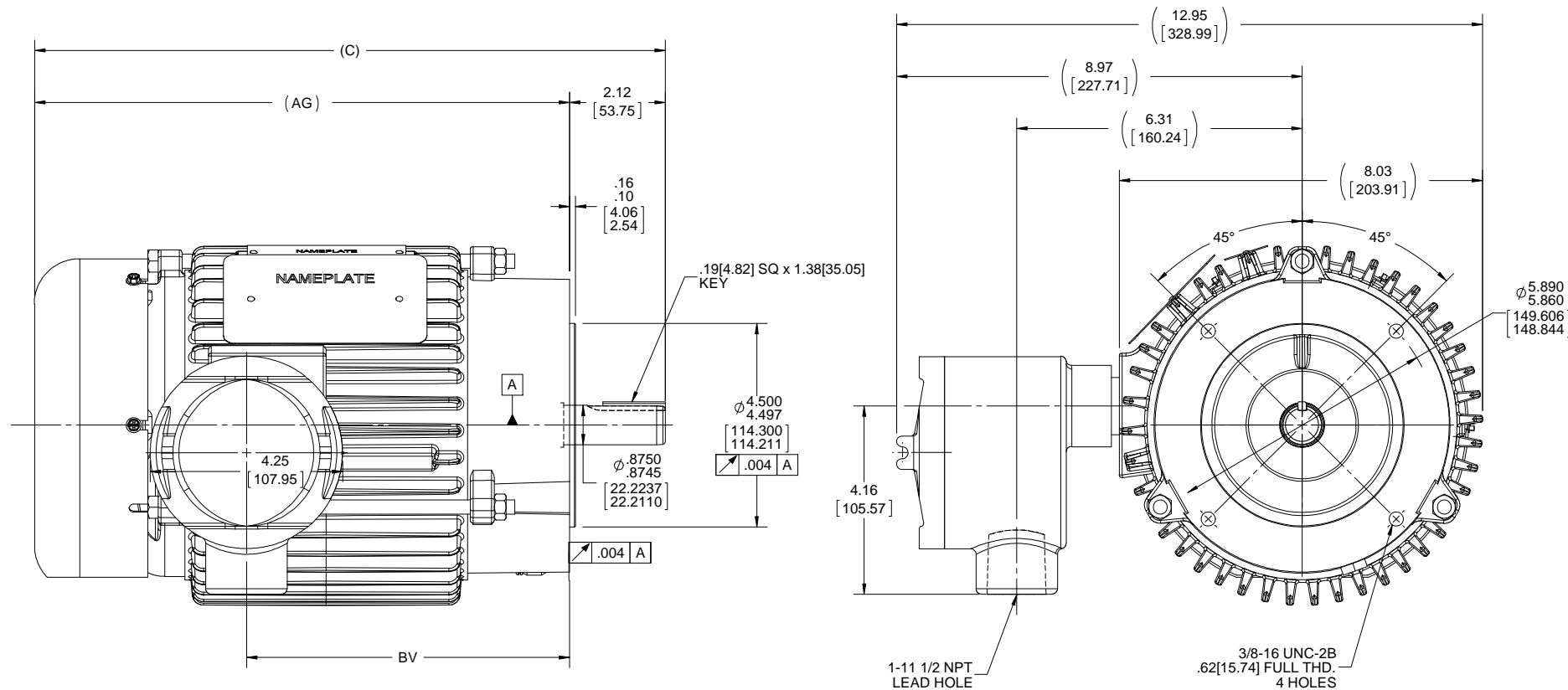


Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Power Factor	74
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	M
Frame	143TC	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	4	Rotation	Reversible
Resistance Main	16.2 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	13.98 in
Frame Length	6.25 in	Shaft Diameter	0.875 in
Shaft Extension	1.99 in	Assembly/Box Mounting	F1 Only



DASH	C	AG	BV
525	12.94[328.67]	10.82[274.82]	6.14[155.95]
625	13.94[354.07]	11.82[300.22]	7.14[181.35]
750	15.19[385.82]	13.07[331.97]	7.95[201.93]

NOTE:
 1. BOX CAN BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
 2. READ NAMEPLATES FROM C'BOX SIDE OF MOTOR

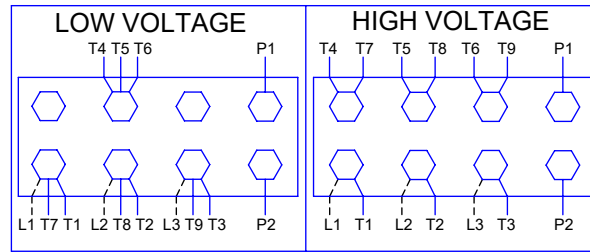
DRAWING REVISION G	REVISION BY H. ADIKE	DATE 12/3/2018
ECO ECO-0157937	APPROVED BY JD	DATE 12/6/2018
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.03	[±0.76]
.XXX	±0.005	[±0.127]
.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 SMC
DATE 06-04-1992
APPROVED BY JA
DATE 06-08-1992
REFERENCE 100617
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 140 FR.BB-EXP. PR. -TS-'C'FACE(629 NEW DESIGN)	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 100617
SHEET 1 OF 1	

HIGH VOLTAGE



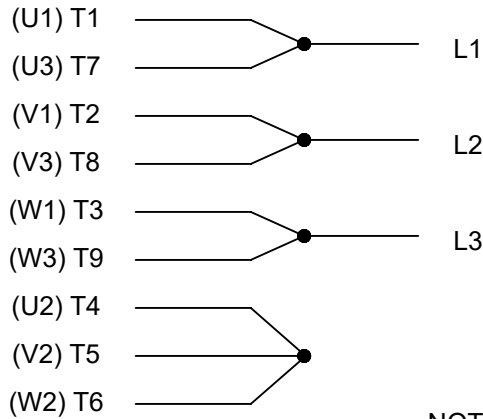
**THREE PHASE
DUAL VOLTAGE MOTOR**

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	THIRD ANGLE PROJECTION	SIZE A