# PRODUCT INFORMATION PACKET



Model No: 145TTGN16034 Catalog No: C322B

2 HP Explosion Proof Motor, 3 phase, 1800 RPM, 230/460 V, 145TC Frame, EPFC

**Explosion Proof NEMA Motors** 





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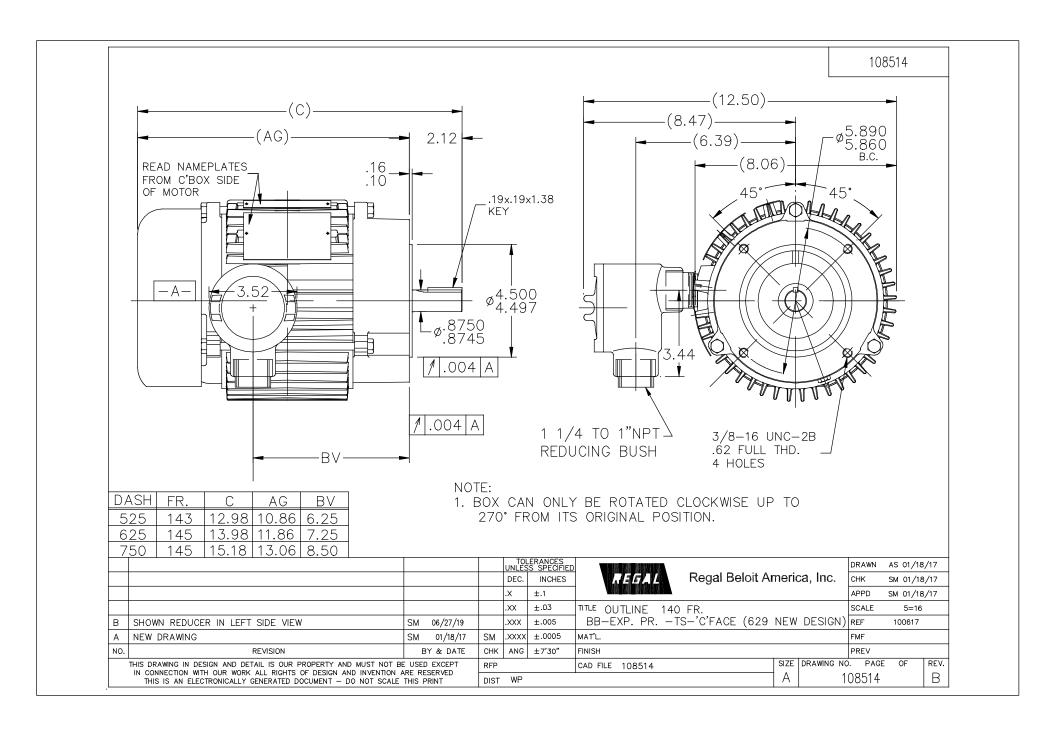
## Nameplate Specifications

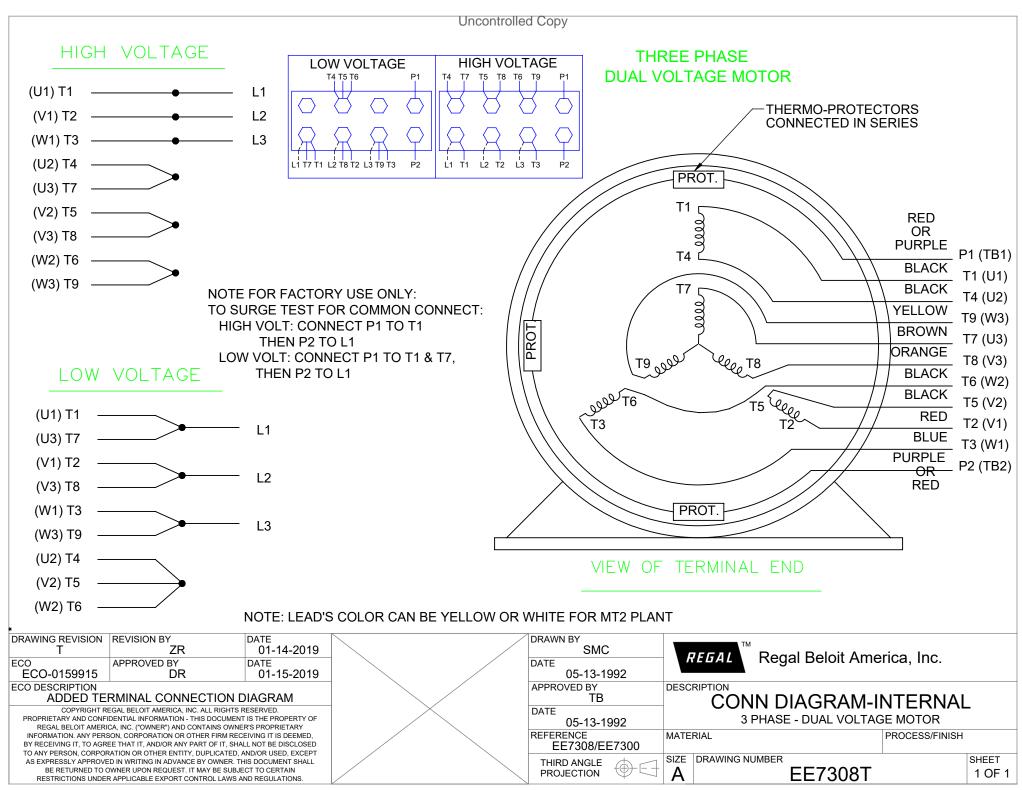
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	N
Frame	145TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Υ
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR D CL II GR F& T3B	G	

## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	6.51 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	15.18 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308T	Outline Drawing	A-108514-750

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#### **CERTIFICATION DATA SHEET**

 Model#:
 145TTGN16034 AA
 WINDING#:
 ZT4166 R1 3

 CONN. DIAGRAM:
 EE7308T
 ASSEMBLY:
 F1 ONLY

**OUTLINE**: A-100617-750

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#### TYPICAL MOTOR PERFORMANCE DATA

HP	кw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	1800	1755&1465	145TC	EPFC	N	A

	PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	<b>AMB°C</b>	ELEVATION
	3	60/50	230/460#190/	6/3&5.6/2.8	ACROSS THE	CONTINUOU	F3	1.15/1.15	40	3300
Į			380		LINE	S				

FULL LOAD EFF: 86.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 72&70	3/4 LOAD PF: 63	1/2 LOAD PF: 50	84	SQ CAGE IND RUN	3.8 / 1.9

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		B.D. TORQUE	F.L. RISE°C
6 LB-FT	60 / 30	24.5 LB-FT 408	32.5 LB-FT 542	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.13 LB-FT^2	0 LB-FT^2	20 SEC.	2	69 LBS.

#### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	EXP PROOF CL	FALSE	NONE	BLUE
					I GR D CL II GR			(POWDER)
					F&G T3B			

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1144	CAST IRON
6205	6203					STRESSPROOF	
						(C-223)	

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

NONE NONE
NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE

INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

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