PRODUCT INFORMATION PACKET



Model No: 145THTR16032 Catalog No: Y612

2 HP Variable Speed Motor, 3 phase, 1800 RPM, 230/460 V, 145TC Frame, TENV

1000:1 Speed Ratio Motors





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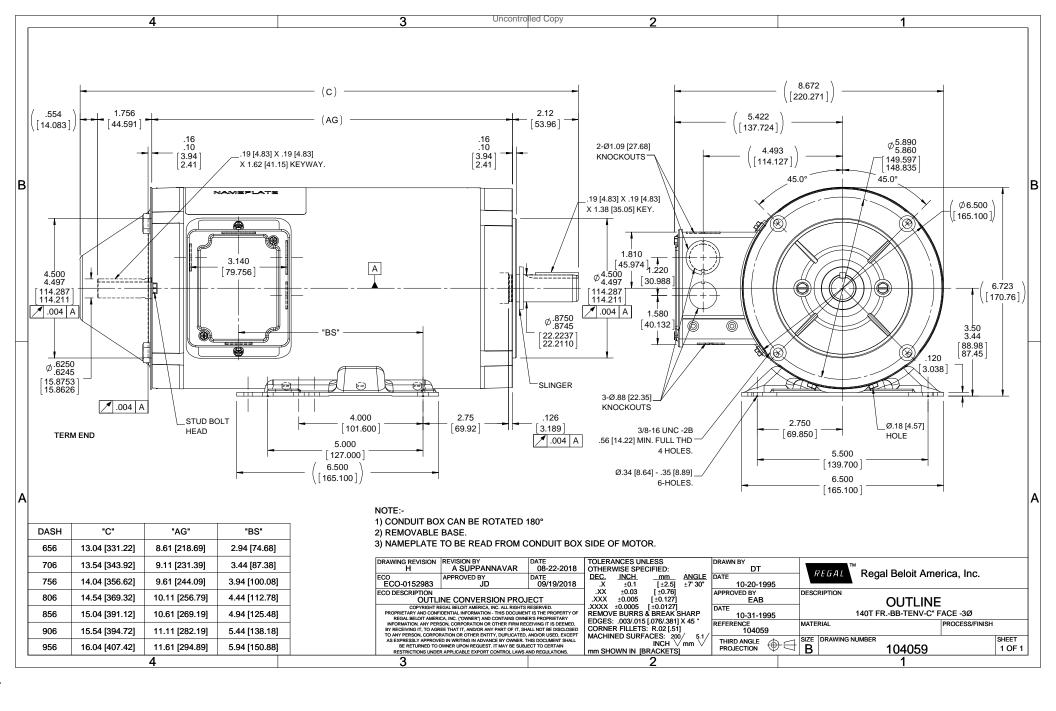
Nameplate Specifications

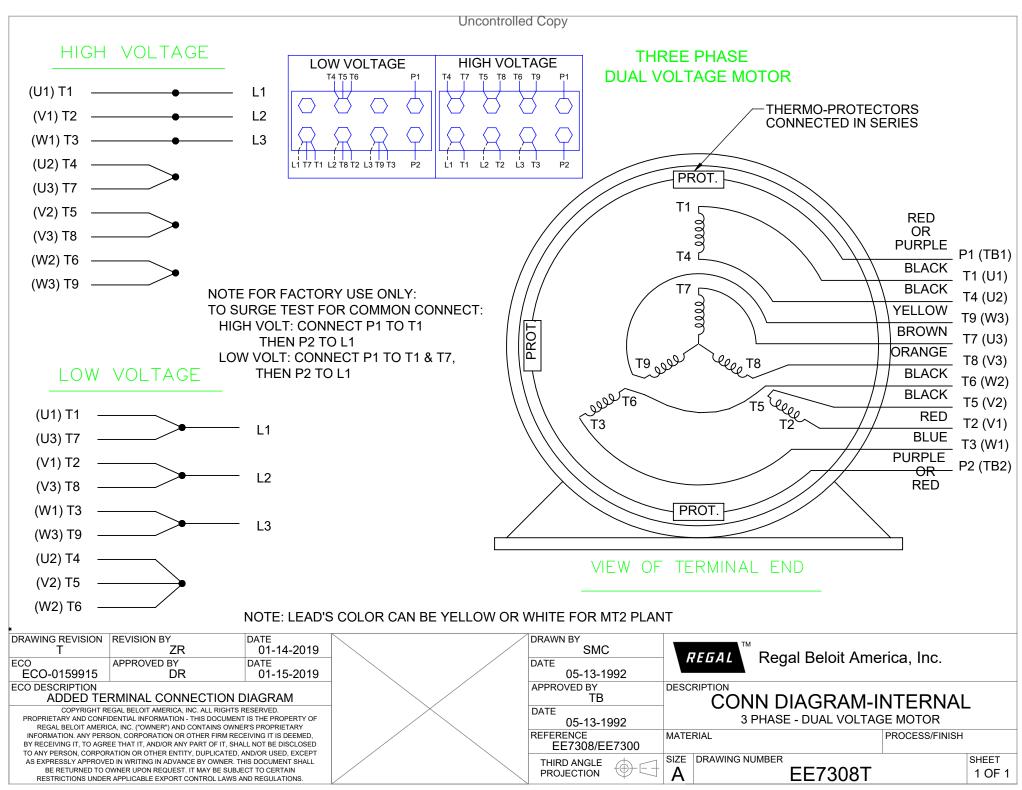
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1745 rpm
Service Factor	1	Phase	3
Efficiency	86.5 %	Power Factor	74
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	М
Frame	145TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostats (N/C) Hermetically-sealed	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	6.58 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	16.04 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-104059-956	Connection Drawing	A-EE7308T

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CERTIFICATION DATA SHEET

Model#: 145THTR16032 AA WINDING#: ZT4255 R3 3 CONN. DIAGRAM: A-EE7308T ASSEMBLY: F1 ONLY

OUTLINE: A-104059-956

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1745	145TC	TENV	М	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	6/3	INVERTER	CONTINUOU	F3	1.0	40	3300
				ONLY	S				

FULL LOAD EFF: 86.5	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 74	3/4 LOAD PF: 65	1/2 LOAD PF: 51.5	84	SQ CAGE INV DUTY	3.6 / 1.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	56 / 28	24 LB-FT 400	31 LB-FT 517	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.14 LB-FT^2	0 LB-FT^2	15 SEC.	0	50 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
3.9618	3.0104	5.751	5.9356	160.3464
	1	-		

RM	ZREF	XR	TD	TD0
8406.4	142	1.7	0.006	0.147

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1144	ROLLED STEEL
6205	6203					STRESSPROOF	
0200	0200					(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

INVERTER TORQUE: CONSTANT 1000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED ENCODER: PROVISIONS ONLY

NONE NONE NONE NONE PPR

BRAKE: PROVISIONS ONLY NONE

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NONE P/N NONE
NONE NONE NONE FT-LB NONE V NONE Hz

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