PRODUCT INFORMATION PACKET



Model No: 143THTR15535 Catalog No: Y283

1 HP Variable Speed Motor, 3 phase, 1800 RPM, 230/460 V, 143TC Frame, TENV

1000:1 with Encoder Motors





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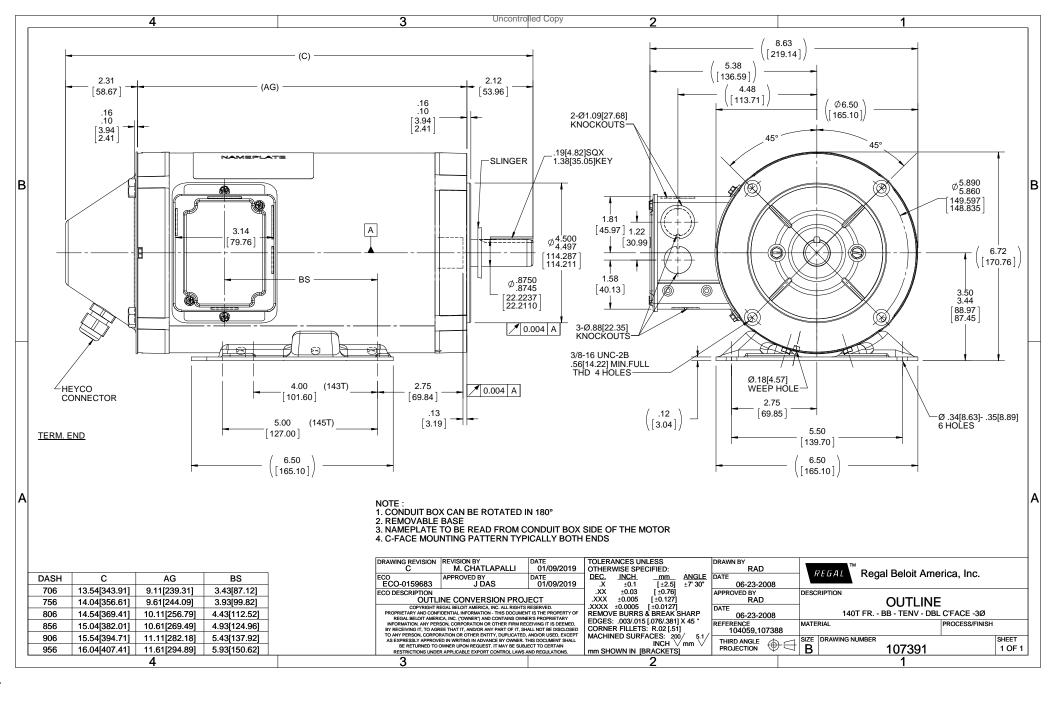
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1750 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Power Factor	75
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	Р
Frame	143TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	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	13.5 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	15.04 in
Frame Length	8.56 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	107391-856	Connection Drawing	EE7308

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CERTIFICATION DATA SHEET

Model#: 143THTR15535 AA WINDING#: ZT472 TR 3 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F1 ONLY

OUTLINE: A-107391-856

TYPICAL MOTOR PERFORMANCE DATA

HP	kw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1750	143TC	TENV	Р	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	3/1.5	INVERTER	CONTINUOU	H1	1.0	40	3300
				ONLY	S				

FULL LOAD EFF: 84	3/4 LOAD EFF: 82.5	1/2 LOAD EFF: 78.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS	
FULL LOAD PF: 75	3/4 LOAD PF: 65.5	1/2 LOAD PF: 51	81.5	SQ CAGE INV DUTY	2/1	ı

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	30 / 15	10.8 LB-FT 360	15 LB-FT 500	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.11 LB-FT^2	0 LB-FT^2	0 SEC.	0	42 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
8.378	5.6232	10.7068	9.9116	278.036
RM	ZREF	XR	TD	TD0

RM	ZREF	XR	TD	TD0
11132.8	284	1.7	0.0071	0.136
11102.0			0.007 1	0.100

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	ENCODER	BOLT-ON	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	
3200	3200					(C-223)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS PROTECTORS WDG RTDs BR		BRG RTDs				
NONE	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: REGAL SUPPLIED - REGAL MOUNT DYNAPAR HS20 MS CONNECTOR 1024 PPR BRAKE: NONE NONE

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

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