PRODUCT INFORMATION PACKET

Model No: 056H17T5302 Catalog No: Y535 1 HP Variable Speed Motor, 3 phase, 1800 RPM, 230/460 V, 56C Frame, TENV 1000:1 Speed Ratio Motors





Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies. ©2021 Regal Beloit Corporation, All Rights Reserved. MC017097E



1 of 7

Product Information Packet: Model No: 056H17T5302, Catalog No:Y535 1 HP Variable Speed Motor, 3 phase, 1800 RPM, 230/460 V, 56C Frame, TENV

marathon®

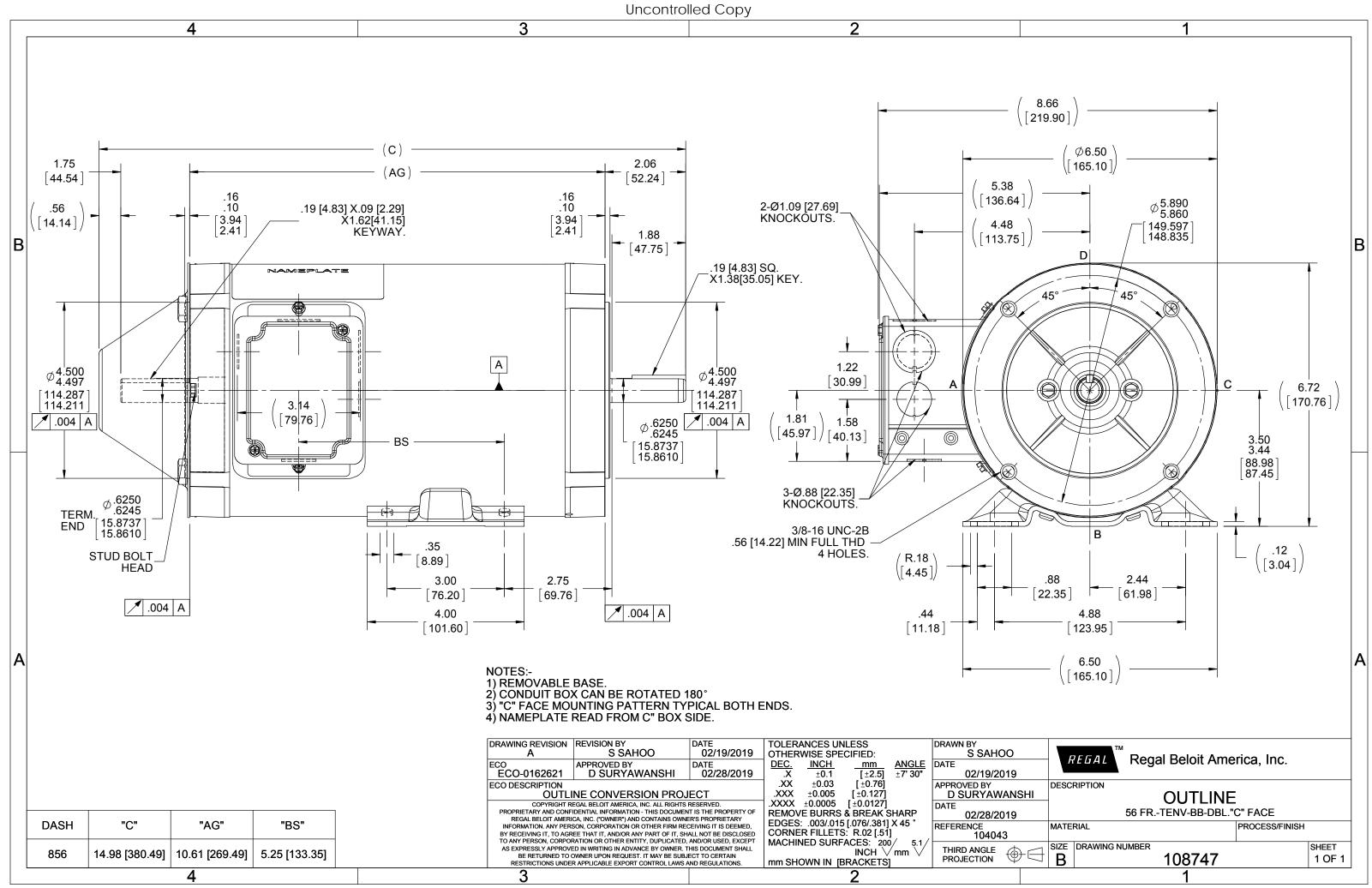
Nameplate Specifications

Output HP	1 Нр	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	Ρ
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43

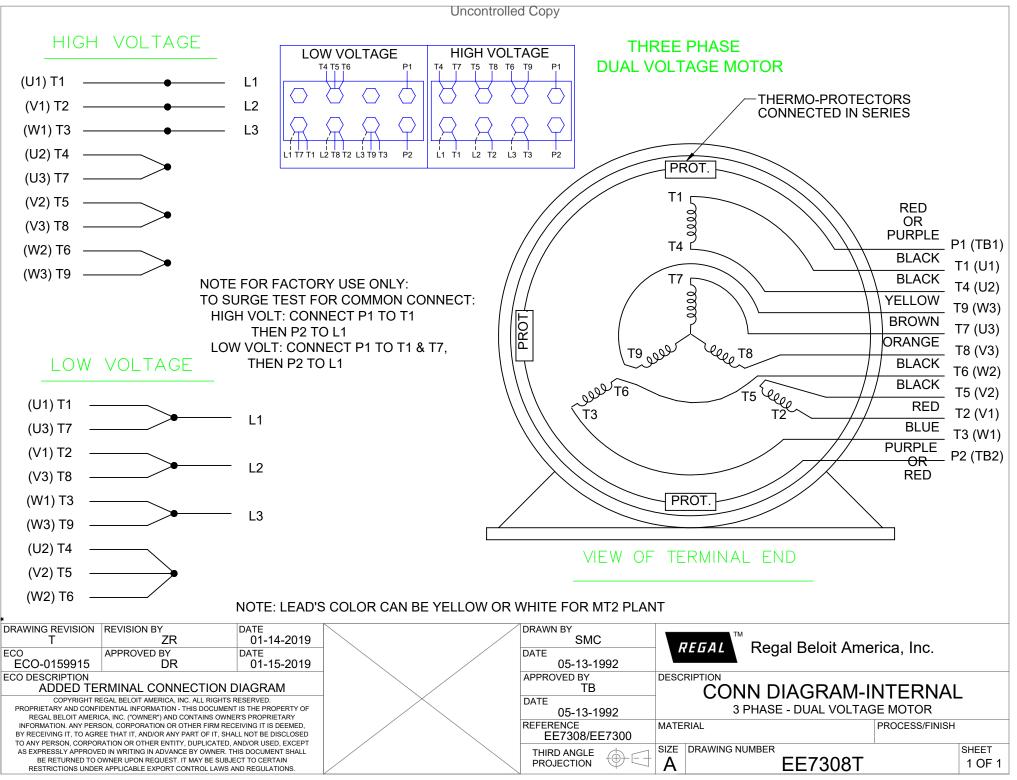
Technical Specifications

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	NEMA 56	Overall Length	14.98 in
Frame Length	8.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	B-108747-856	Connection Drawing	A-EE7308T

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/28/2021



3 of 7



4 of 7

Uncontrolled Copy

CERTIFICATION DATA SHEET

Model#:	56H17T5302 E	WINDING#:	ZT472 TR 3
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1 ONLY
OUTLINE:	A-104043-856		

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw		SYNC. R	РМ	F.L. RPM	FRAM	1E	ENC	LOSURE	KVA	CODE		DESIGN
1		.75		1800		1725	56C	;		TENV		Р		INV
РН	н	lz	VOLT	'S FL	AMPS	START TYPE	DUTY		INSL		S.F	AMB°	с	ELEVATION
3	6	60	230/46	60	3/1.5	INVERTER	CONTINU	ου	F3		.0	40		3300
						ONLY	S							
FULL LOAD	EFF: 84	FF: 84 3/4 LOAD EFF: 82.5 1/2 LOAD EFF: 78.5		AD EFF: 78.5	GTD. EFF ELEC		EC. TYPE NO			DAD AMPS				
FULL LOAD	PF: 75	3/	4 LOAD P	PF: 65.5	1/2 L(DAD PF: 51	81.5 SQ CAGE INV D		INV DU	JTY 2/1				
F.L. TO	RQUE		LOCKE	ED ROTOR	AMPS	L.R. T	ORQUE	DRQUE B.D. TORQUE			F.L. RISE°C		ISE°C	
3 LB	3-FT			30 / 15		10.8 LB-FT 360			15 LB-FT 500			65		
SOUND PRESS @ 3 FT.		SOUN		R RO	TOR WK^	2 MAX	WK^2	SAFE	STALL	TIME	START /HOUE	-	APP	ROX. MOTOR WGT
62 dBA		7	2 dBA	0.1	1 LB-FT^2	0 LB	-FT^2		0 SEC. 0		0			39 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
8.378	5.6232	10.7068	9.9116	278.036
RM	ZREF	XR	TD	TD0
11132.8	284	1.7	0.0071	0.136

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144	ROLLED STEEL
6203	6203					STRESSPROOF	
0200						(C-223)	

	THERMO-PF	OTECTORS	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

	Information
	INVERTER TORQUE: CONSTANT 1000:1
Ν	INV. HP SPEED RANGE: 2.0 X BASE SPEED
0	ENCODER: PROVISIONS ONLY
Т	NORTHSTAR ST56
E	NORTHSTAR STOO
E	NONE NONE PPR
S	
*	BRAKE: PROVISIONS ONLY NONE

Uncontrolled Copy

STEARNS	P/N NONE	
56,000	NONE	
10 FT-LB	NONE V	NONE Hz

DATE: 06/28/2017 02:08:32 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

Uncontrolled Copy

