PRODUCT INFORMATION PACKET

Model No: 056H17F2017
Catalog No: Y362
3/4,1725,TEFC,56C,3/60/230/460
1000:1 Speed Ratio

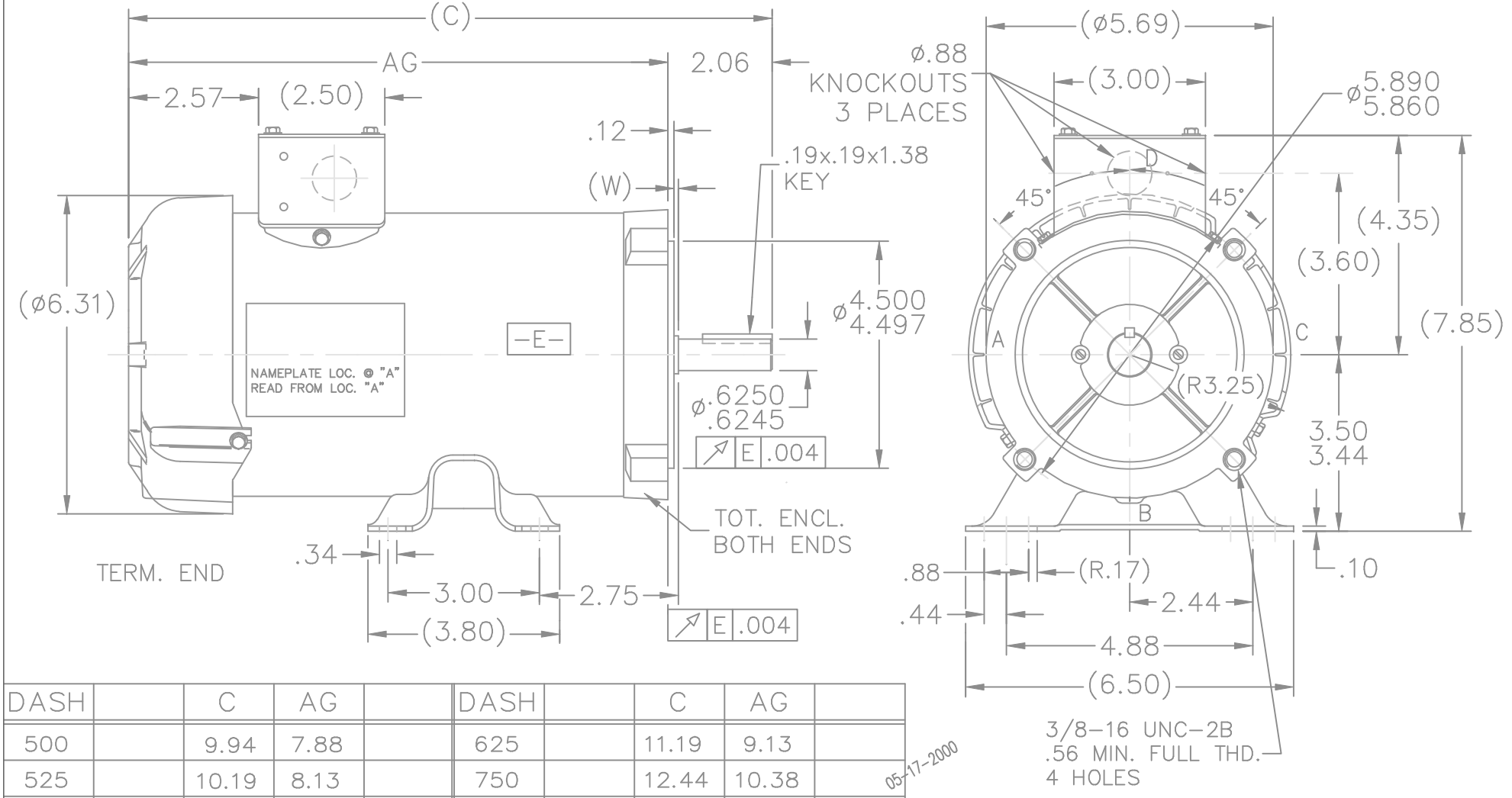
Nameplate Specifications

Output HP	**0.75 Hp**	Output KW	**0.56 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**2.8/1.4 A**	Speed	**1725 rpm**
Service Factor	**1**	Phase	**3**
Efficiency	**75.5 %**	Duty	**Continous**
Insulation Class	**H**	Design Code	**INV**
KVA Code	**L**	Frame	**56C**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Duty**	Starting Method	**Inverter Only**
Poles	**4**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**NEMA 56**
Overall Length	**11.19 in**	Frame Length	**6.25 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.06 in**
Assembly/Box Mounting	**F3**		
Outline Drawing	**A-SS75928-625**	Connection Diagram	**A-EE7308**

'W'= CLEARANCE ALLOWED FOR ALL
VARIANCES IN MANUFACTURING & ASSEMBLY



DASH		C	AG		DASH		C	AG	
500		9.94	7.88		625		11.19	9.13	
525		10.19	8.13		750		12.44	10.38	
575		10.69	8.63						

05-17-2000

NO.	REVISION	BY & DATE	CHK
5	UPDATED DRAWING	TJW 04/20/2007	
4	CHANGED TO LEESON CONDUIT BOX PER CN39440-2	TJW	
3	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML
2	REVISED NAMEPLATE LOCATION CN 34681	NJS 02-19-2002	DRS
1	NEW DRAWING 4069675	NJS 02-19-2002	ML

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

DRAWN	DD 08-27-1993
CHK	ML 08-30-1993
APPD	JAY 08-31-1993
SCALE	11=32
REF	
FMF	
PREV	
TITLE	OUTLINE
MAT'L.	
FINISH	
CAD FILE	ss75928
RFP	
DIST	WP

SIZE	DRAWING NO. PAGE OF	REV.
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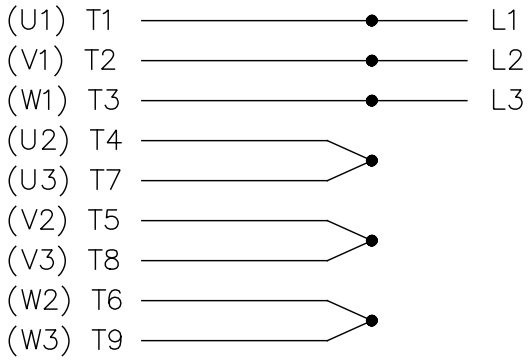
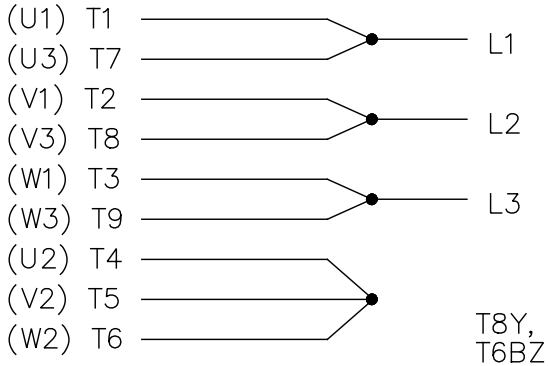
EE7308

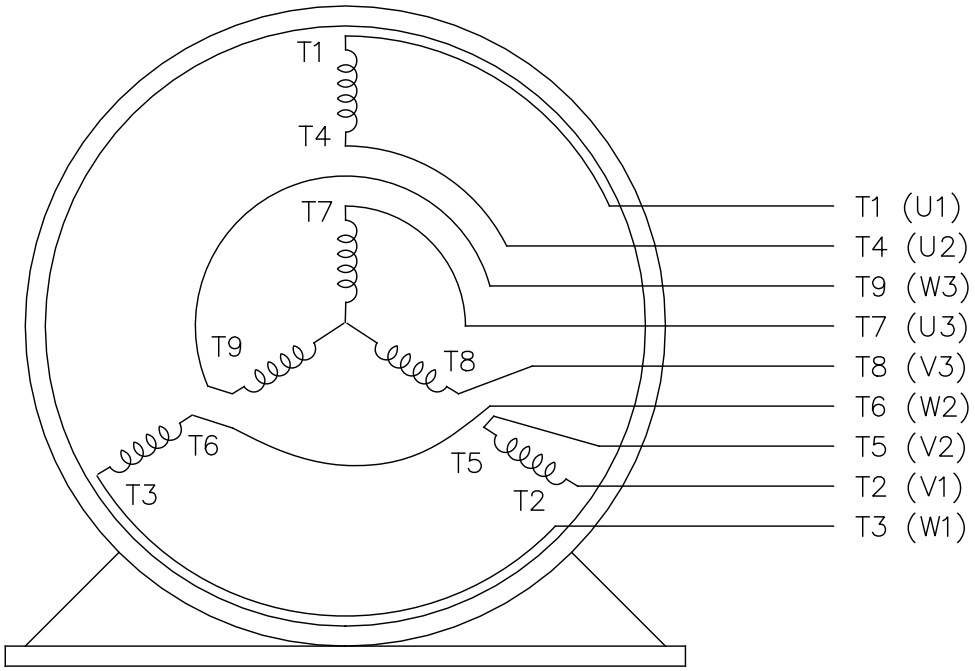
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

NO.	REVISION	BY & DATE	CHK
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

ANG	DEC.	INCHES
	.X	±.1
	.XX	±.02
	.XXX	±.005
	.XXXX	±.0005
	ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.

FINISH

CAD FILE ee7308

RFP

DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7308	5

CERTIFICATION DATA SHEET

Model#:	56H17F2017 A	**WINDING#:**	TE48412 R4 3
CONN. DIAGRAM:	A-EE7308	**ASSEMBLY:**	F3
OUTLINE:	A-SS75928-625		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	.56	1800	1725	56C	TEFC	L	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	2.8/1.4	INVERTER ONLY	CONTINUOUS	H1	1.0	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 73	1/2 LOAD EFF: 67	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70.5	3/4 LOAD PF: 62	1/2 LOAD PF: 49.5	72	SQ CAGE INV DUTY	1.9 / 1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.28 LB-FT	18 / 9	8.5 LB-FT 373	9.5 LB-FT 417	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.055 LB-FT^2	0 LB-FT^2	0 SEC.	0	25 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
13.986	12.5874	15.6114	8.316	292.572

RM	ZREF	XR	TD	TD0
10546.2	378	1.37	0.0034	0.063

*** SUPPLEMENTAL INFORMATION ***

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

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* NOTES *

INVERTER TORQUE: CONSTANT 20:1
INV. HP SPEED RANGE: 2.0 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE

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

DATE: 06/28/2017 12:57:23 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.