

# PRODUCT INFORMATION PACKET

Model No: 056H17F2018  
Catalog No: Y376  
3/4,1725,TEFC,56C,3/60/230/460  
1000:1 Speed Ratio



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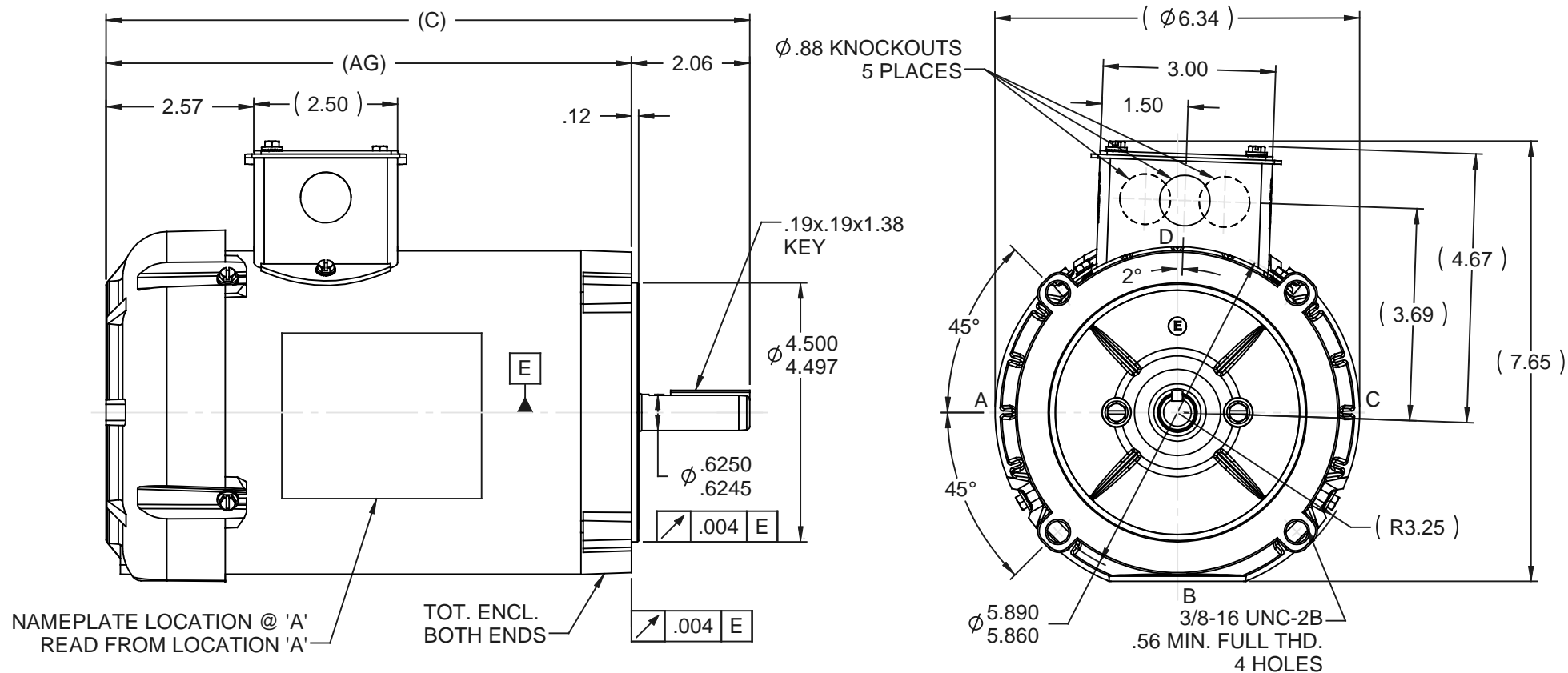
### Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>2.8/1.4 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>75.5 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>H</b>	Design Code	<b>INV</b>
KVA Code	<b>L</b>	Frame	<b>56C</b>
Enclosure	<b>TEFC</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>SQ CAGE INV DUTY</b>	Starting Method	<b>INVERTER ONLY</b>
Poles	<b>4</b>	Rotation	<b>REV</b>
Mounting	<b>ROUND</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>STANDARD 56</b>
Overall Length	<b>11.19 in</b>	Frame Length	<b>6.25 in</b>
Shaft Diameter	<b>0.63 in</b>	Shaft Extension	<b>2.06 in</b>
Assembly/Box Mounting	<b>F3</b>		
Outline Drawing	<b>A-SS403148-625</b>	Connection Diagram	<b>A-EE7308</b>

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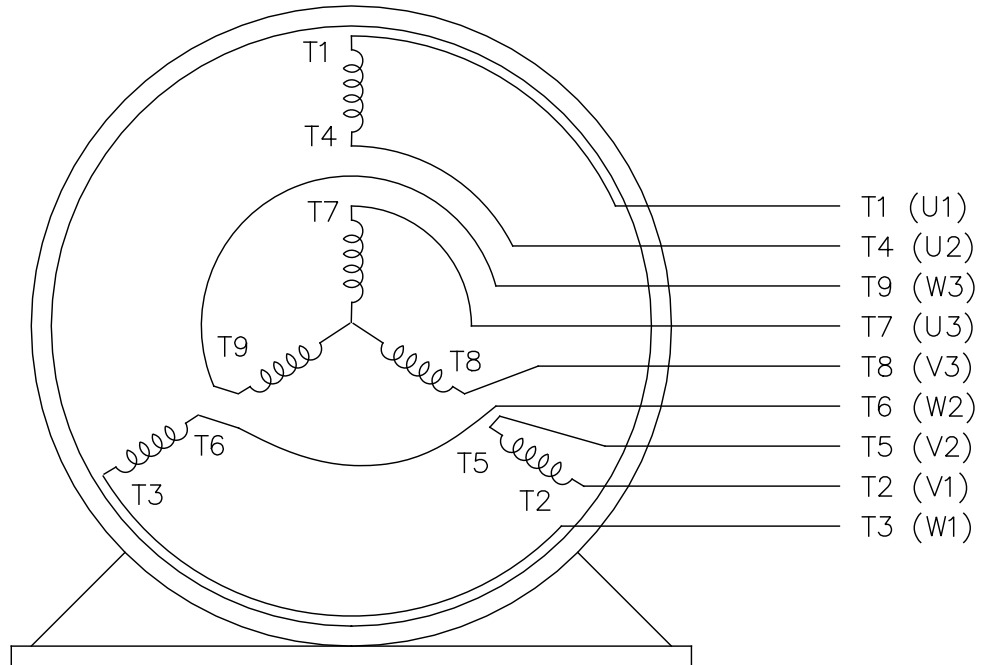


DASH	C	AG
500	9.94	7.88
525	10.19	8.13
575	10.69	8.63
625	11.19	9.13
750	12.44	10.38

				TOLERANCES UNLESS SPECIFIED				DRAWN DRS 05-21-2001		
				DEC	INCHES			CHK	ML 05-25-2001	
				.X	$\pm .1$	TITLE OUTLINE		APPR	TOM 05-25-2001	
				.XX	$\pm .03$			SCALE	3:8	
2	REDRAWN ON SOLIDWORKS	DRS 05-17-2005	ML	.XXX	$\pm .005$			REF		
1	NEW DRAWING	DRS 05-25-2001		.XXXX	$\pm .0005$	MAT'L		FMF		
NO	REVISION	BY & DATE	CHK	ANG	$\pm 7'30''$	FINISH		PREV		
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				DIST	WP	A		SS403148	2	

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



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	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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Regal Beloit America, Inc.

3Ø - DUAL VOLTAGE MOTOR

CERTIFICATION DATA SHEET

Model#: 56H17F2018 A WINDING#: TE48412 R4 3  
 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F3  
 OUTLINE: A-SS403148-625

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	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

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

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

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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	

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