

# PRODUCT INFORMATION PACKET



Model No: 056H17T15528

Catalog No: Y281

Encoder Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, TENV



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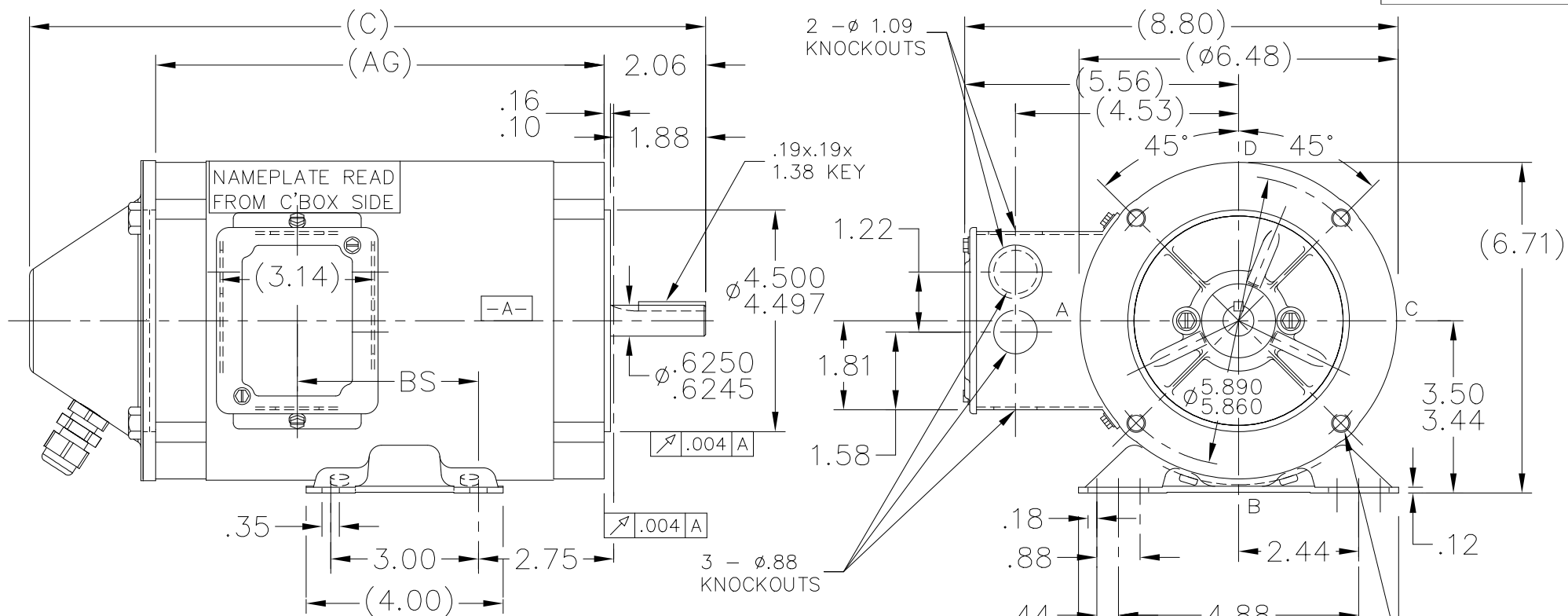


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>0.75 Hp</b>
Output KW	<b>0.56 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1725 rpm</b>	Service Factor	<b>1.0</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>82.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>2.4/1.2 A</b>	Power Factor	<b>73.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>H</b>
Design Code	<b>INV</b>	KVA Code	<b>P</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>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>17.5 Ohms</b>	Mounting	<b>Bolt-on Base</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>NEMA 56</b>	Overall Length	<b>14.24 in</b>
Frame Length	<b>7.56 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>2.06 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 1000:1</b>		
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>A-107388-756</b>



TERM. END

NOTE:  
C'FACE MOUNTING PATTERN  
TYPICAL BOTH ENDS.

3/8-16UNC-2B  
.56 MIN FULL THD  
4 HOLES

DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
					756	56-75	14.24	9.61	4.25
606	56-60	12.74	8.11	2.75	806	56-80	14.74	10.11	4.75
656	56-65	13.24	8.61	3.25	856	56-85	15.24	10.61	5.25
706	56-70	13.74	9.11	3.75					

NOTES:  
1. REMOVABLE BASE  
2. CONDUIT BOX CAN BE ROTATED 180°.

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
				.XX	±.03
				.XXX	±.005
1	CHANGED DRAWING TEMPLATE TO RRX PER ECR-0233449	KVDG 05-29-2024	DS	.XXXX	±.0005
				ANG	±7'30"

**Regal Rexnord** Regal Beloit America, Inc.

TITLE OUTLINE - HS 20 TACH.  
56 FR. - TENV - BB - DBL. C'FACE

DRAWN	JJB	03-26-2008
CHK	ML	03-27-2008
APPD	GK	03-27-2008
SCALE	5=16	
REF	104043A	
FMF	MU86303	
PREV	ME080078	

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RFP  
DIST WP

CAD FILE 107388

SIZE	DRAWING NO.	PAGE	OF	REV.
A	107388			1

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		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Regal Beloit America, Inc.

**CERTIFICATION DATA SHEET**

**Model#:** 56H17T15528 A  
**CONN. DIAGRAM:** A-EE7308  
**OUTLINE:** A-107388-756

**WINDING#:** ZT449 TR 3  
**ASSEMBLY:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

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

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	2.4/1.2	INVERTER ONLY	CONTINUOUS	H1	1.0	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 80	1/2 LOAD EFF: 75.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 73.5	3/4 LOAD PF: 65	1/2 LOAD PF: 52	80	SQ CAGE INV DUTY	1.5 / .8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	24 / 12	9.8 LB-FT 436	10.2 LB-FT 453	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	0.09 LB-FT^2	0 LB-FT^2	0 SEC.	0	35 LBS.

**EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)**

R1	R2	X1	X2	XM
10.9998	7.4088	13.2678	12.2094	339.822

RM	ZREF	XR	TD	TD0
13041	378	1.5	0.006	0.125

**\*\*\* 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)

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

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

\*  
N  
O  
T  
E  
S  
\*

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

DATE: 06/28/2017 01:08:00 AM  
FORM 3531 REV.3 02/07/99  
\*\* Subject to change without notice.



**REGAL REXNORD CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460 Volts  
60 HZ  
0.75 HP

HP 0.75

PHASE 3

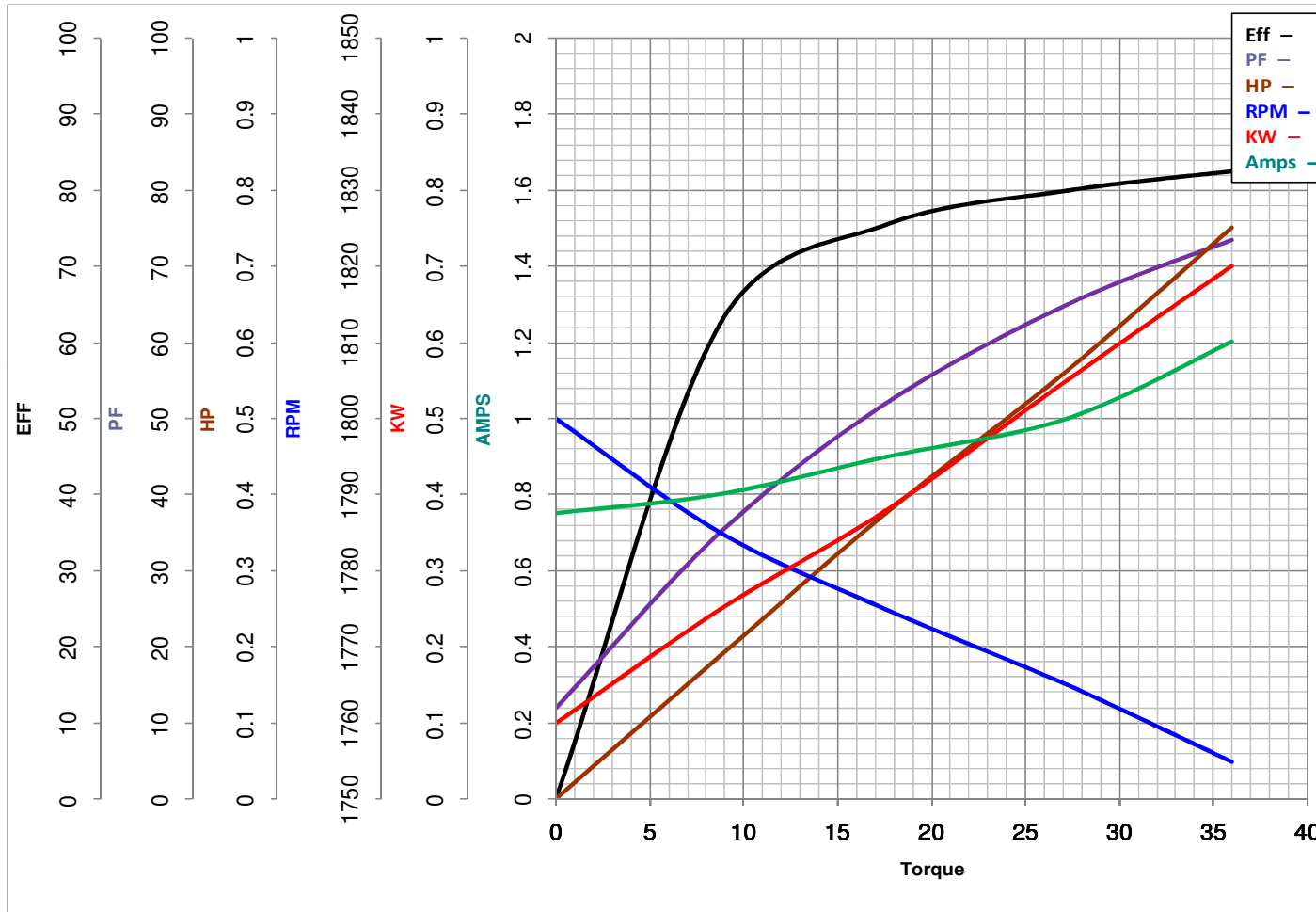
Model No 56H17T15528

VOLTS 230/460

Catalog No Y281

HZ 60

RPM 1725



Torque in Oz.Ft

FL TORQUE 36 Oz.Ft  
BD TORQUE 163.2 Oz.Ft  
LR TORQUE 156.8 Oz.Ft

FL AMPS 2.4/1.2  
PU TORQUE 147.2 Oz.Ft  
LR AMPS 12

WINDING ZT449-3

Date 1/24/2019

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
1946 West Cook Road  
Fort Wayne, IN 46818

and the authorized representative  
established within the Community:

Regal Beloit Italy  
Via Modena, 18  
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056H17T15528

(Model No. may contain prefix and/or suffix characters)

Catalog No : Y281

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer  
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi  
Technology Director, Engineering

Created on 07/08/2025

**CE 25**