

# PRODUCT INFORMATION PACKET



Model No: 056H17T2013

Catalog No: Y502

Speed Ratio Motor, 0.33 HP, 3 Ph, 60 Hz, 230 V, 1800 RPM, 56C Frame, TENV



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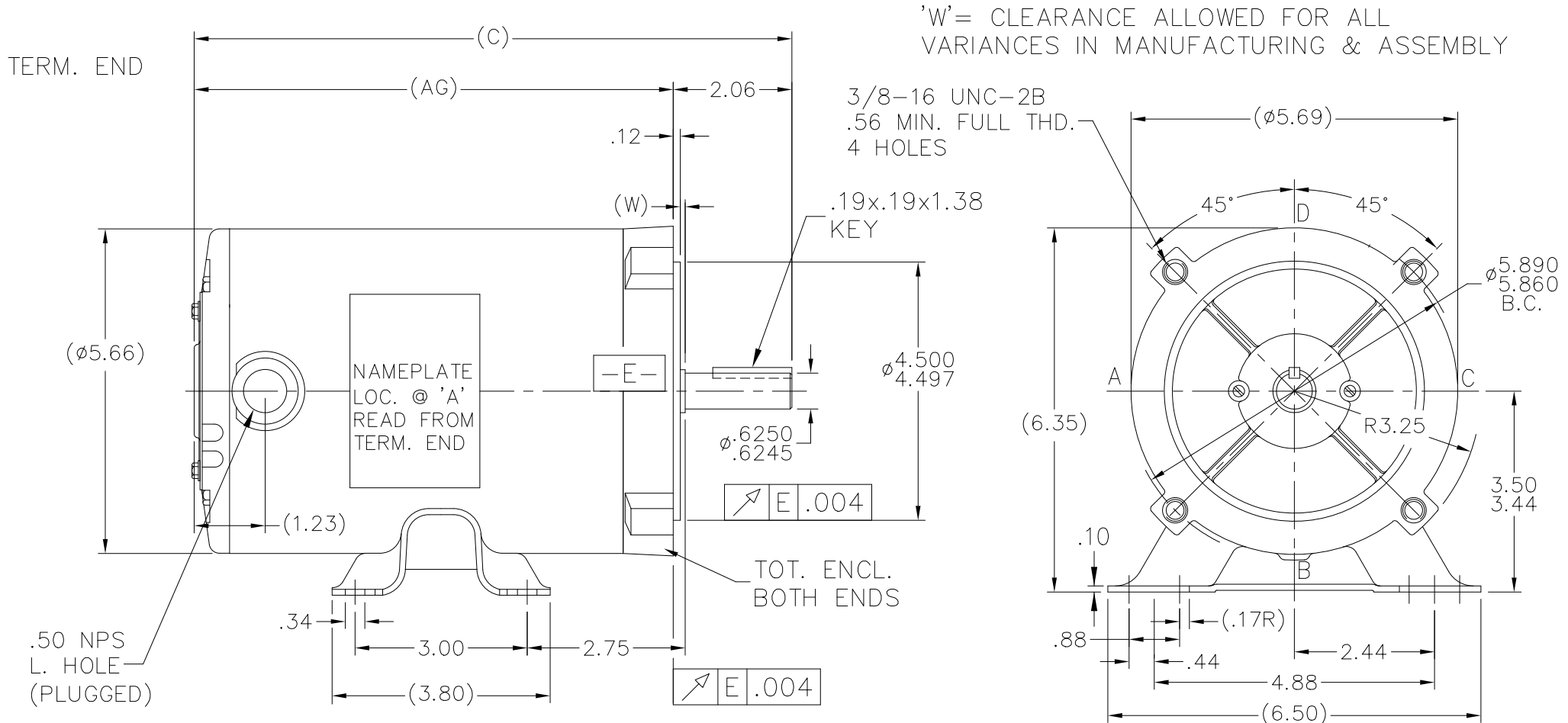


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>0.33 Hp</b>
Output KW	<b>0.25 kW</b>	Voltage	<b>230 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>74 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>1.2 A</b>	Power Factor	<b>67</b>
Duty	<b>Continuous</b>	Insulation Class	<b>H</b>
Design Code	<b>INV</b>	KVA Code	<b>M</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>46.8 Ohms</b>	Mounting	<b>Rigid 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>9.91 in</b>
Frame Length	<b>6.25 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>		
Outline Drawing	<b>A-SS403144-625</b>	Connection Drawing	<b>A-EE7300HX</b>

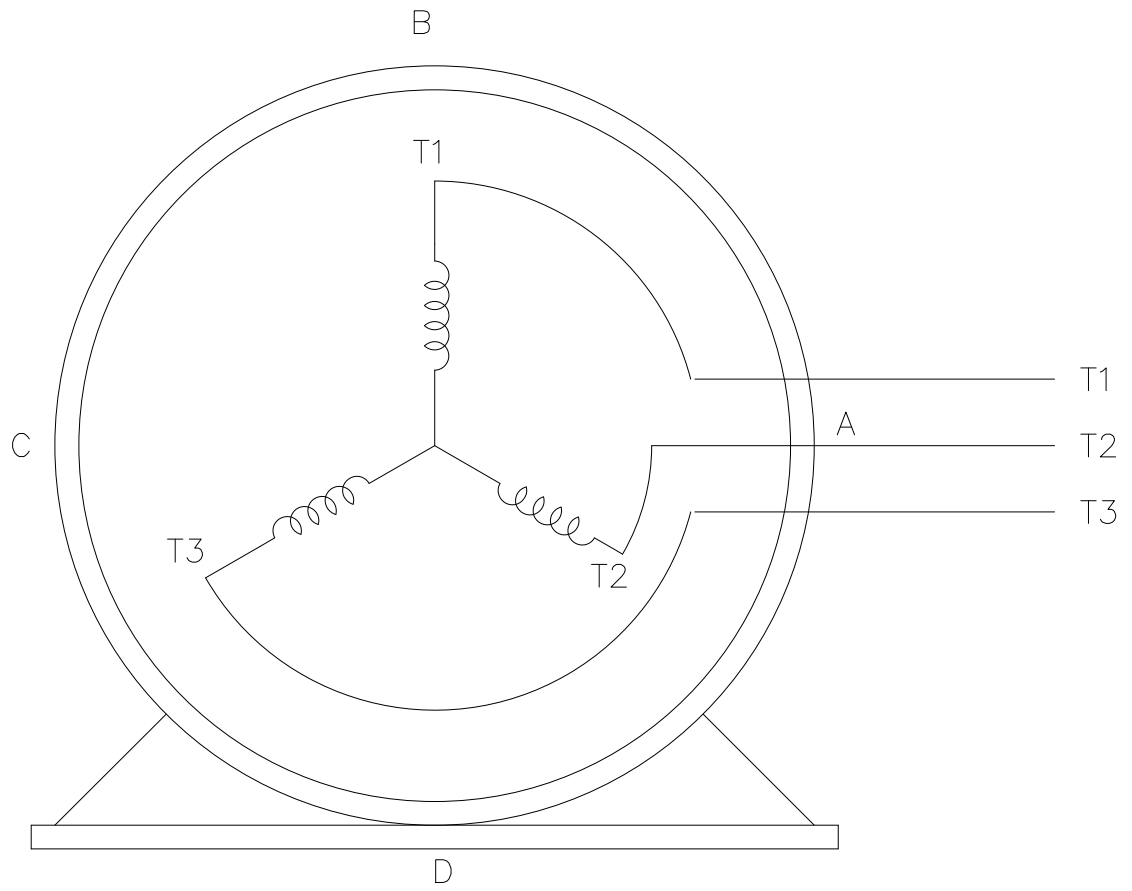


DASH	FR	C	AG		DASH	FR	C	AG		DASH	FR	C	AG	
550	56	9.16	7.10	01-17-2002	650	56	10.16	8.10		725	56	10.91	8.85	
600	56	9.66	7.60		675	56	10.41	8.35		750	56	11.16	9.10	
625	56	9.91	7.85		700	56	10.66	8.60		775	56	11.41	9.35	

				TOLERANCES UNLESS SPECIFIED		Regal Rexnord		Regal Beloit America, Inc.		DRAWN NJS 05-11-2001			
				DEC.	INCHES					CHK	ML 05-11-2001	APPD	TOM 05-14-2001
4	CHD FROM MARATHON TO RRX LOGO			KVDG 05-28-2024	DS	.X	±.1	TITLE		OUTLINE		REF	
3	REVISED "C" & "AG" DIMS ISAAC10-2047			TJW 7/27/2010	CTO	.XX	±.03			MAT'L.		FMF	
2	REDRAWN IN AUTOCAD			TAT 07-06-2004	ML	.XXX	±.005	FINISH		PREV			
1	NEW DRAWING MU37179			NJS 05-14-2001		.XXXX	±.0005						
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"						
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE ss403144				SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WP					A	SS403144	4	4

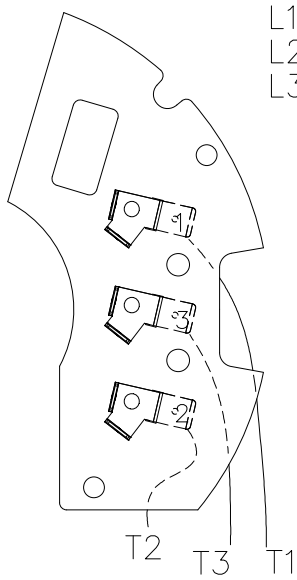
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



VIEW OF TERMINAL END

TERMINAL BOARD  
WHEN SPECIFIED



L1 TO 1  
L2 TO 2  
L3 TO 3

DRAWING REVISION D	REVISION BY GKB	REV DATE/ DATE 04/15/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2/ mm/ INCH ✓	DRAWN BY NJS	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0242041	APPROVED BY RK	DATE 04/15/2025		DATE 06/18/2001	
REQUEST NUMBER DESCRIPTION CHANGED FROM MARATHON TO RRX TEMPLATE			APPROVED BY GK	DESCRIPTION CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR	
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			REFERENCE	THIRD ANGLE PROJECTION	SIZE B

**CERTIFICATION DATA SHEET**

Model#: 56H17T2013 A WINDING#: TE48427 R1 2  
 CONN. DIAGRAM: A-EE7300HX ASSEMBLY: F1 ONLY  
 OUTLINE: A-SS403144-625

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	.246	1800	1725	56C	TENV	M	INV

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

FULL LOAD EFF: 74	3/4 LOAD EFF: 72	1/2 LOAD EFF: 65	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 67	3/4 LOAD PF: 58	1/2 LOAD PF: 46	70	SQ CAGE INV DUTY	.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1 LB-FT	8.4	4 LB-FT 400	4.5 LB-FT 450	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.045 LB-FT^2	0 LB-FT^2	0 SEC.	0	- LBS.

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

R1	R2	X1	X2	XM
26.144	22.962	30.1	14.62	572.76

RM	ZREF	XR	TD	TD0
18490	860	1.52	0.0043	0.068

**\*\*\* 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	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: NONE NONE NONE NONE NONE 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 01:11:37 AM  
FORM 3531 REV.3 02/07/99  
\*\* Subject to change without notice.

Data Sheet

Date: 11/2/2017

56H17T2013

Customer: \_\_\_\_\_



Attention: \_\_\_\_\_

Submittal

Submitted by: EARL BABBITTS

Data @ 230 V

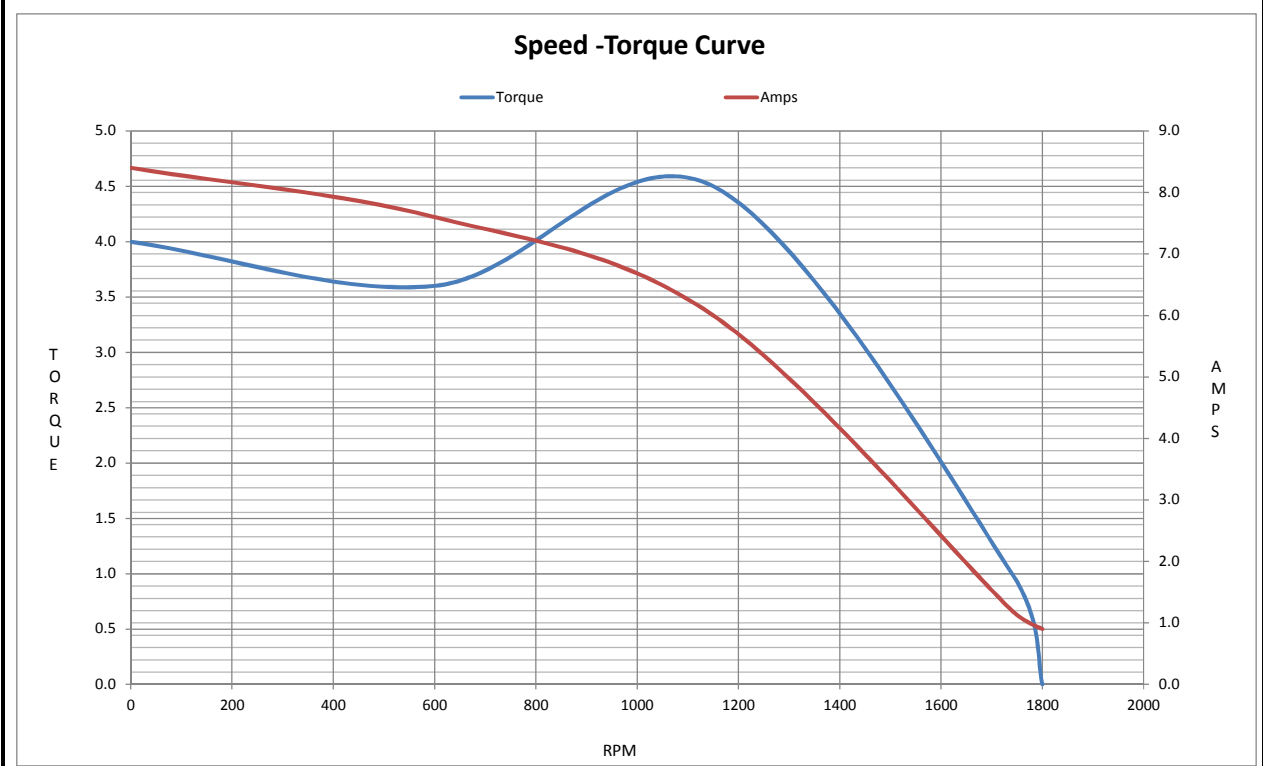
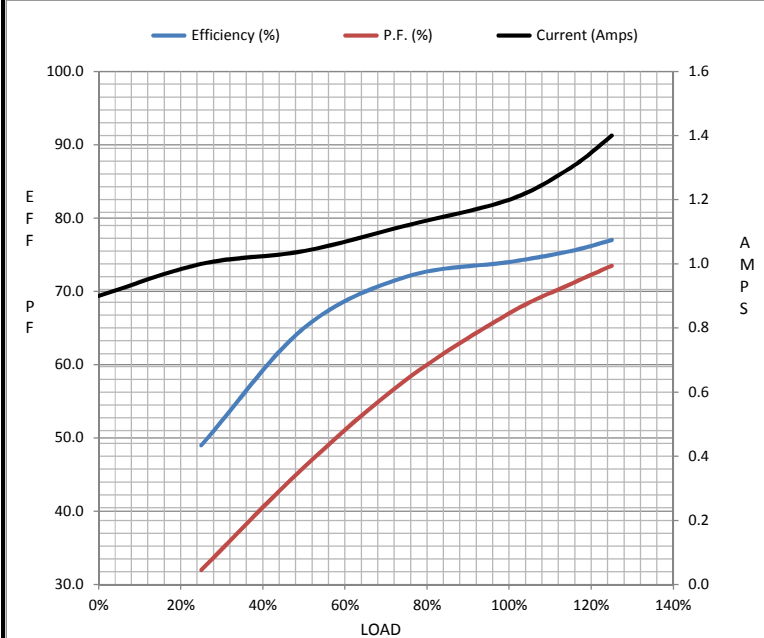
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.90	1.00	1.04	1.12	1.20	1.30	1.40	8.4
Torque (ft-lb)	0.00	0.25	0.50	0.75	1.00	1.15	1.25	4.0
RPM	1800	1785	1770	1755	1740	1,730	1725	0
Efficiency (%)		49.0	65.0	72.0	74.0	75.5	77.0	
P.F. (%)	20.0	32.0	46.0	58.0	67.0	71.0	73.5	69.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1740	1800
Current (Amps)	8.4	7.6	6.0	1.20	0.90
Torque (ft-lb)	4.0	3.6	4.5	1.00	0.00

Information Block				
HP	0.3			
Sync. RPM	1800			
Frame	48			
Enclosure	TENV			
Construction	TTR			
Voltage	230 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.05 Lb-Ft <sup>2</sup>			
Ref Wdg	TE48427 R1			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 1000:1			
Outline Dwg	A-SS403144-625			
Conn. Diag	A-EE7300HX			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
6.5360	5.7410	7.5250	3.6550	143.1900



## 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 : 056H17T2013

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

Catalog No : Y502

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**