

# PRODUCT INFORMATION PACKET



Model No: 056T17F15677

Catalog No: D457A

Brake Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 56HC Frame, TEFC



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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1.50 &amp; 1 Hp</b>
Output KW	<b>1.1 &amp; 0.75 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1725 &amp; 1425 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>56HC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>86.5 &amp; 85 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>4.6/2.3 &amp; 4.2/2.1 A</b>	Power Factor	<b>71</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>P</b>
Drive End Bearing Size	<b>6205</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

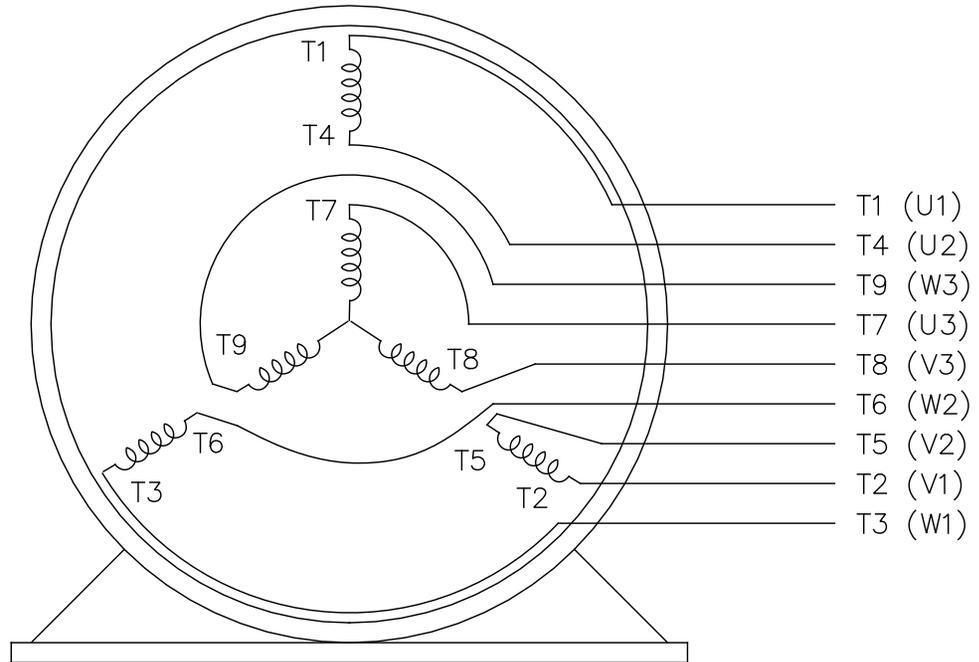
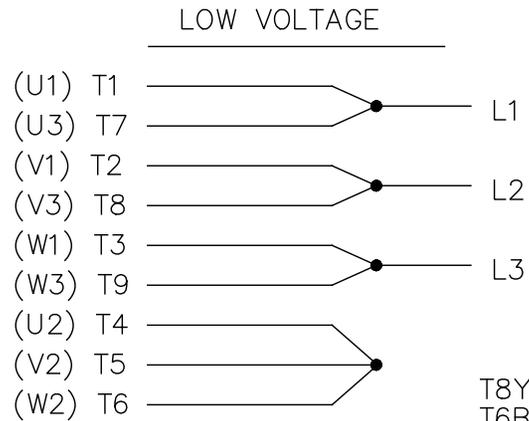
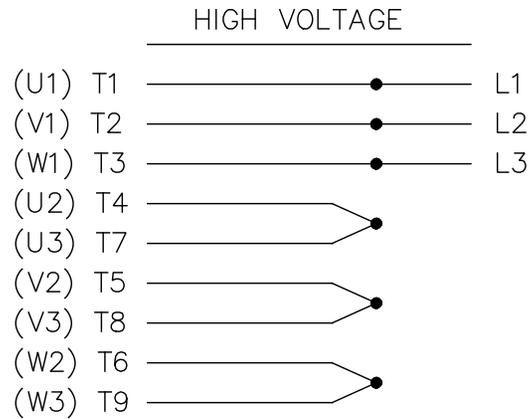
Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>7.9 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Shaft Diameter	<b>0.625 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>B-104476-906</b>	Connection Drawing	<b>EE7308</b>

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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				
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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.



**CERTIFICATION DATA SHEET**

**CUSTOMER:**  
**ORDER #:**  
**CONN. DIAGRAM:** EE7308  
**OUTLINE:** B-104476-906  
**WINDING #:** ZT4256 FR 3

**CUSTOMER PO#:**  
**MODEL #:** 56T17F15677 A  
**CUSTOMER PART #:**  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&0.75	1800	1725&1425	56HC	TEFC	P	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4.6/2.3&4.2/2.1	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40

FULL LOAD EFF:	86.5&85	3/4 LOAD EFF:	85.5	1/2 LOAD EFF:	82.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	71&64	3/4 LOAD PF:	62.5	1/2 LOAD PF:	49	84	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	48 / 24	21.2 LB-FT 471 %	26 LB-FT 578 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.14 LB-FT^2	10 LB-FT^2	20 SEC.	2	58 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

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

* N O T E S *	<b>INVERTER TORQUE:</b> NONE
	<b>INV. HP SPEED RANGE:</b> NONE
	<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
	<b>BRAKE:</b> REGAL SUPPLIED AND MOUNT NONE STEARNS P/N 91697-10A1KB 56,000 NEMA 2 10 FT-LB 208-230/460-190/380 V 60/50 Hz

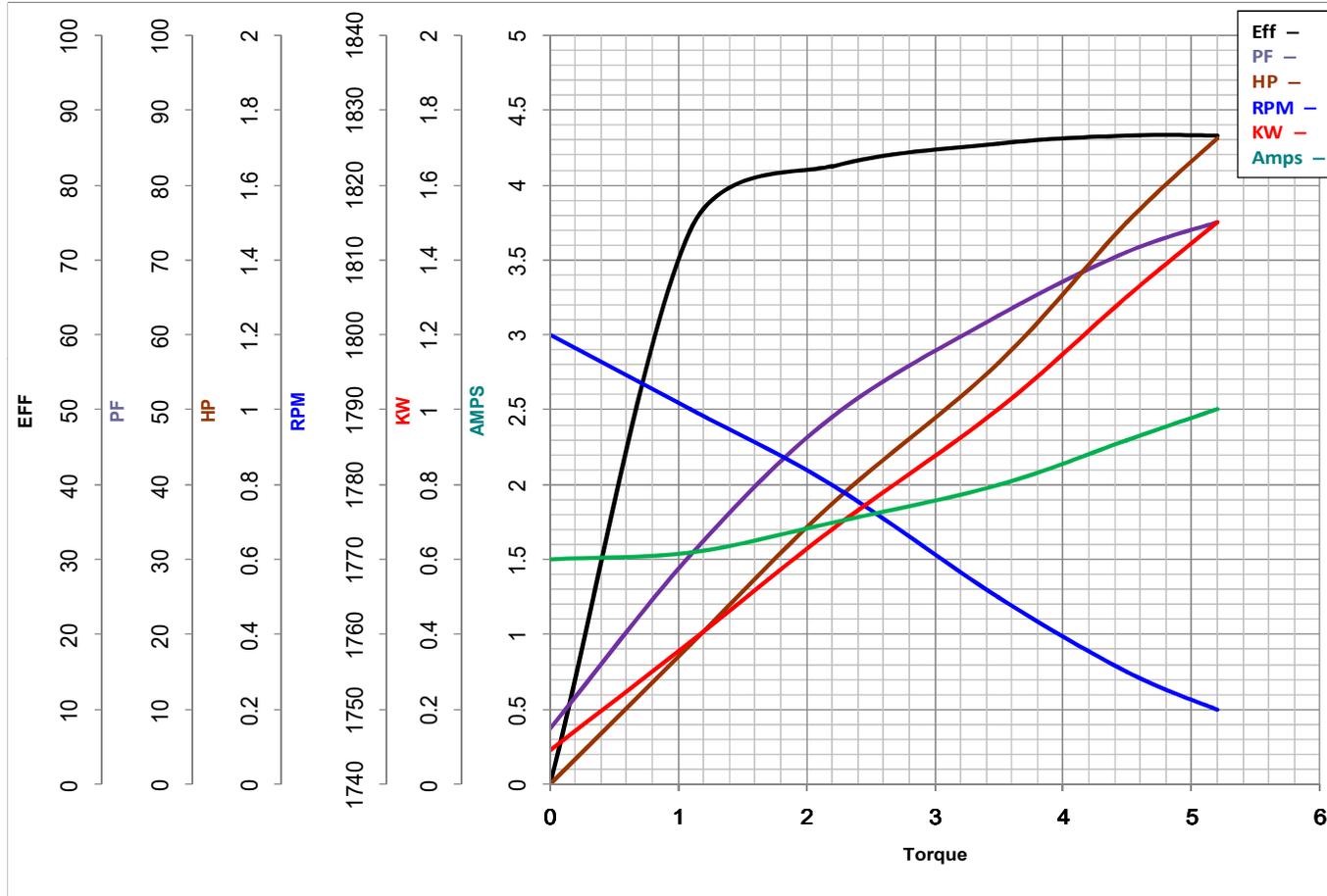
**PREPARED BY:** Venkata Datta Ganesh Kothapalli **DATE:**  
 04/10/2025 04:58:19 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025



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

Customer \_\_\_\_\_ Curve at 460 Volts HP 1.5&1 PHASE 3  
 Model No 56T17F15677 60 HZ  
1.5 HP VOLTS 230/460&190/380  
 Catalog No D457A HZ 60&50 RPM 1725&1425



		Torque in Lb.Ft	
FL TORQUE	<u>4.5</u> Lb.Ft	FL AMPS	<u>4.6/2.3</u>
BD TORQUE	<u>26.0</u> Lb.Ft	PU TORQUE	<u>20.2</u> Lb.Ft
LR TORQUE	<u>21.2</u> Lb.Ft	LR AMPS	<u>24</u>
WINDING	ZT4256-3	Date	1/3/2019

## 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 : 056T17F15677

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

Catalog No : D457A

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**