

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

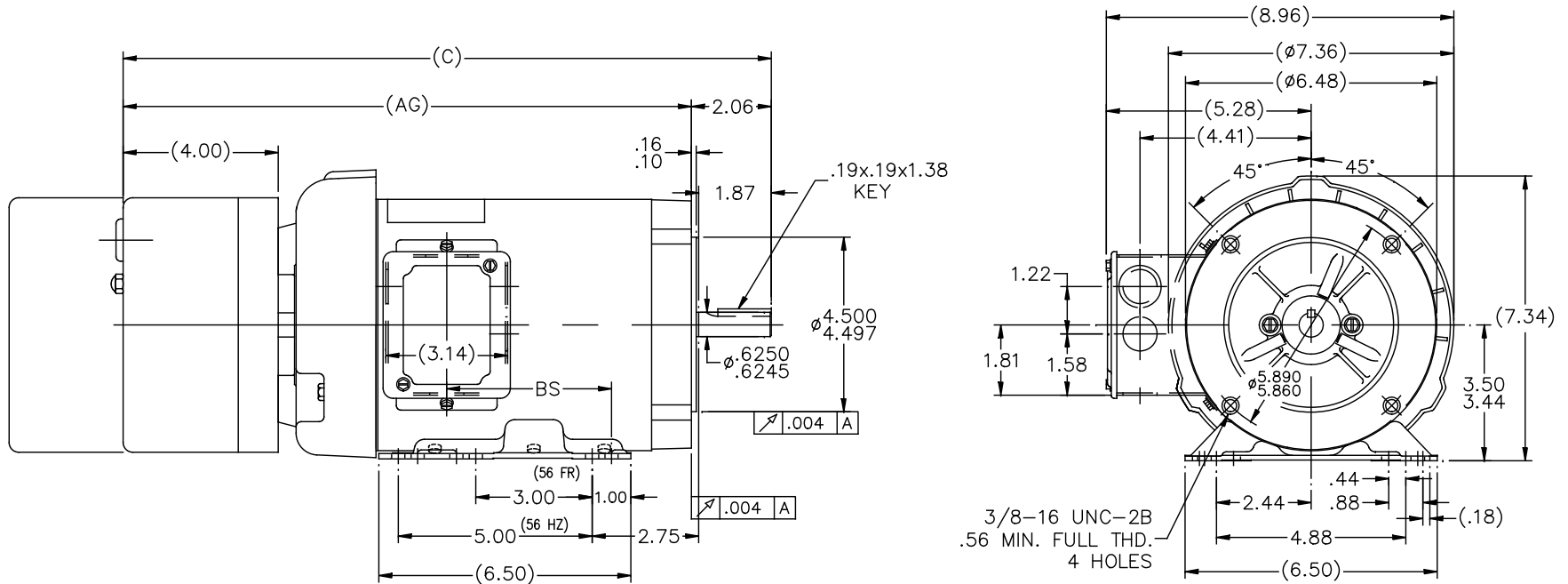
Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 85 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.6/2.3 & 4.2/2.1 A	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	P
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

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

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104476



NOTES:

1. CONDUIT BOX CAN BE ROTATED 180°.
2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR
3. REMOVABLE BASE.

DASH	FRAME	C	AG	BS					TOLERANCES UNLESS SPECIFIED	REGAL™ Regal Beloit America, Inc.		DRAWN MRB 07-24-1998			
					DEC.	INCHES					CHK ML 07-29-1998				
706	56-70	16.72	14.66	3.75							APPD JB 07-31-1998				
756	56-75	17.22	15.16	4.25	4	ADDED DASH #906 PER ECO-0117802	AS	02-08-17	PVR	.X	SCALE 3=8				
806	56-80	17.72	15.66	4.75	3	REVISED DRAWING	RJW	04-03-2007	.XX	±.03	REF				
856	56-85	18.22	16.16	5.25	2	ADDED DASH 956 & REDREW INTO AUTOCAD MU70835	RJW	02-08-2006	DRS	.XXX	±.005	TITLE OUTLINE - TEFC - C'FACE 56 FR. - STEARNS SERIES 56,000 BRAKE			
906	56-90	18.72	16.66	5.75	1	NEW DRAWING MU18262	MRB	08-03-1998	.XXXX	±.0005	MAT'L	FMF			
956	56-95	19.22	17.16	6.25	NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	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 104476		SIZE B	DRAWING NO. 104476	PAGE OF	REV. 4
									DIST	WP					

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				
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.



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

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	50 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

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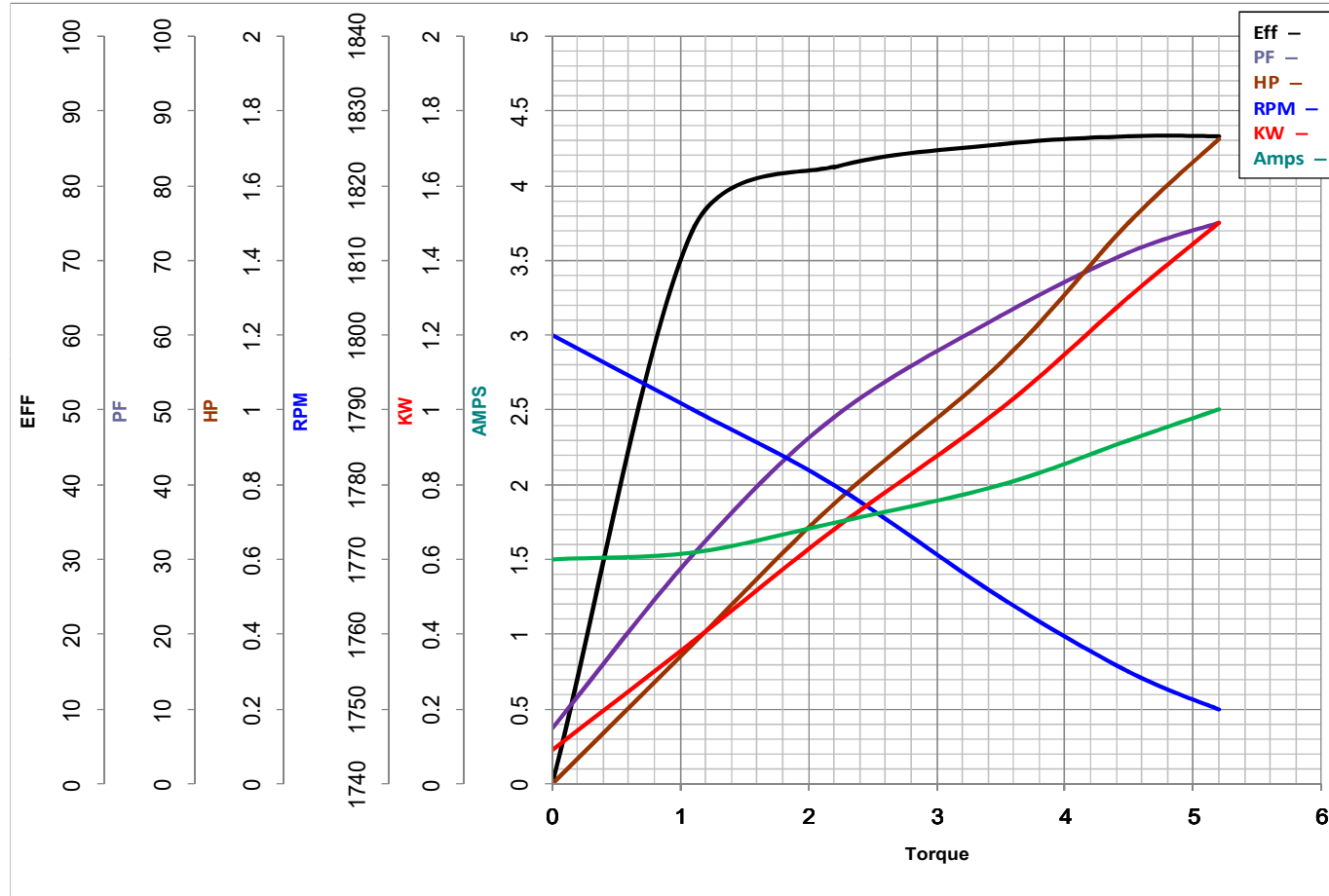
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: REGAL SUPPLIED AND MOUNT NONE
STEARNS P/N 91697-10A1KB
56,000 NEMA 2
10 FT-LB 208-230/460-190/380 V
60/50 Hz

PREPARED BY: Dinesh
Suddula **DATE:**
02/08/2019 04:43:27 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.



MARATHON ELECTRIC 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
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

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 :

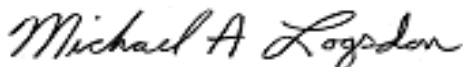
Low Voltage Directive 2014/35/EU

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:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22