

# PRODUCT INFORMATION PACKET

Model No: 056T17D2100

Catalog No: G120

Fan and Blower Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,  
56 Frame, DP



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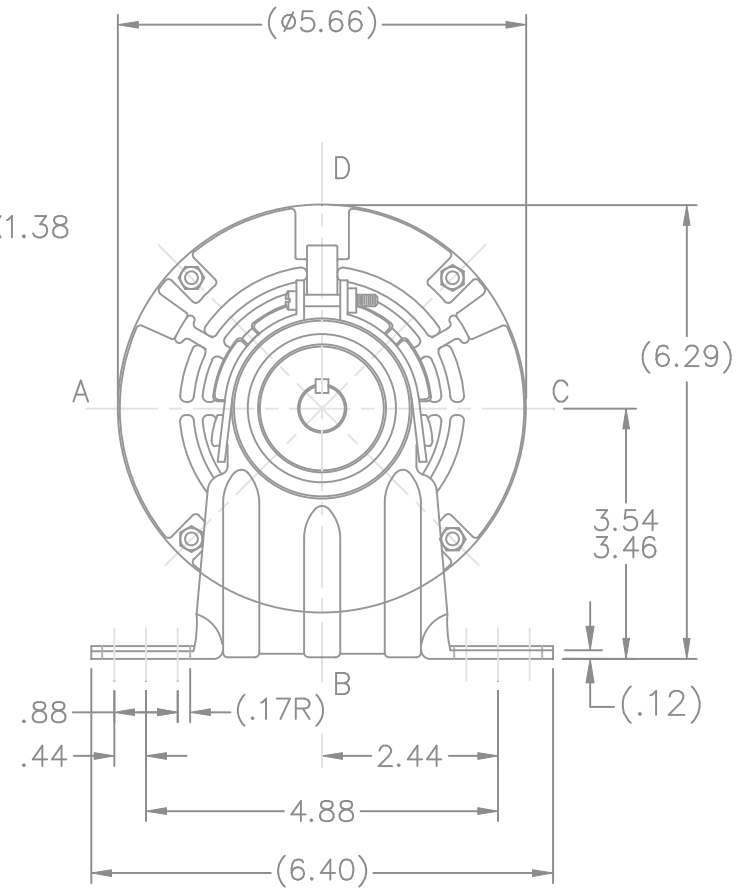
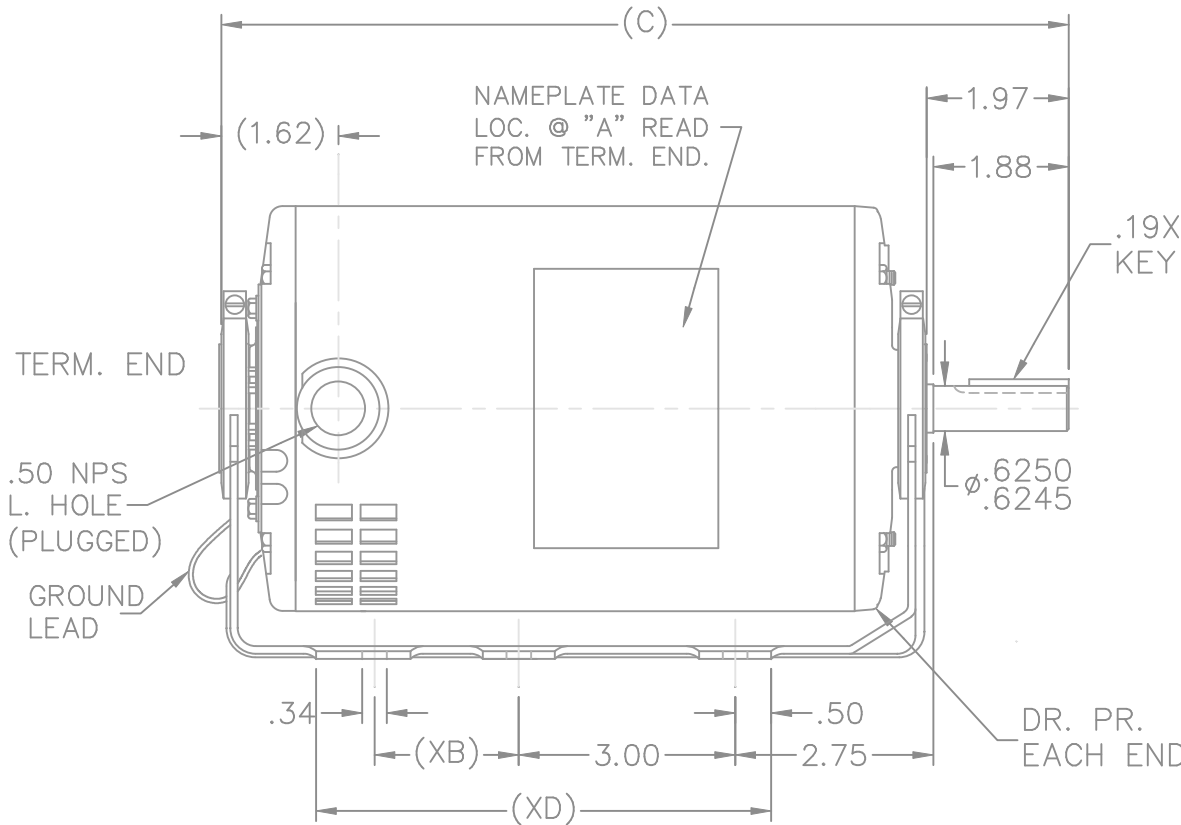
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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1 &amp; 0.75 Hp</b>
Output KW	<b>0.75 &amp; 0.56 kW</b>	Voltage	<b>208-230/460 &amp; 190/380 V</b>
Speed	<b>1725 &amp; 1425 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>56</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>75.5 &amp; 78 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>3.5-3.4/1.7 &amp; 3.1/1.6 A</b>	Power Factor	<b>72.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>L</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>22</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>20 Ohms</b>	Mounting	<b>Resilient 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>11.47 in</b>
Shaft Diameter	<b>0.630 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>A-SS75077-750</b>



DASH	XB	XD	C	DASH	XB	XD	C
600	0	4.50	9.97	750	2.00	6.00	11.47
650	0	5.00	10.47				
700	0	5.50	10.97	800	2.00	6.50	11.97

8	UPDATED DRAWING	TJW 04/13/2007		TOLERANCES UNLESS SPECIFIED			DRAWN SMC 11-01-1990			
7	FIXED FEET DIMENSIONS	RJW 04-11-2005	ML	DEC.	INCHES		CHK MOL 11-02-1990			
6	REDRAWN IN AUTOCAD	TAT 09-01-2004	ML	.X	±.1		APPD GK 11-02-1990			
5	ADDED NEW FRONT BRACKET	CN 20124	RJM 04-04-1995	.XX	±.03		SCALE 3=8			
4	ADDED NEW REAR BRACKET	CN 19513	KL 12-12-1994	.XXX	±.005	TITLE OUTLINE	REF			
3	.50 NPS WAS .50 NPT.	CN 6642	RM 11-13-1991	.XXXX	±.0005	MAT'L.	FMF			
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 ss75077		SIZE A	DRAWING NO. SS75077	PAGE OF 8	REV. 8
				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		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					





Data Sheet

Date: 12/14/2018  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



56T17D2100

Submittal

Data @ 460 V

Motor Load Data

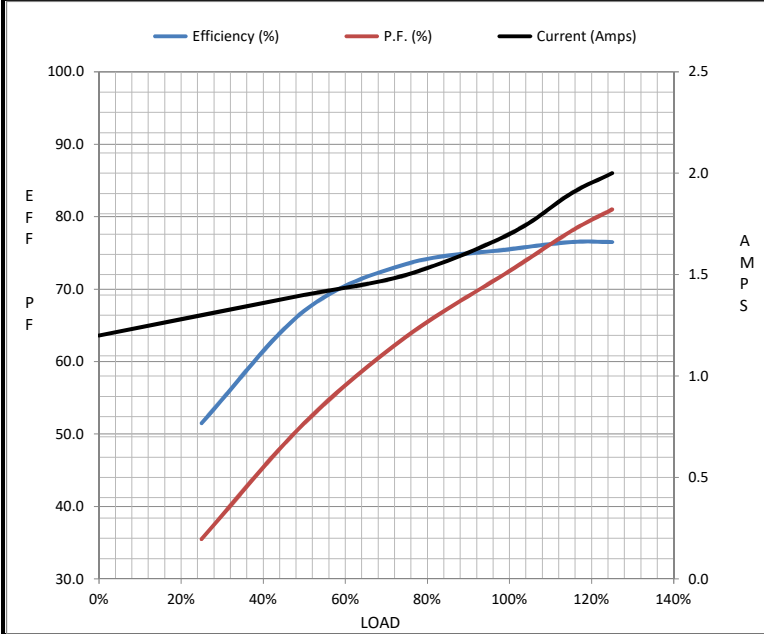
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.30	1.40	1.50	1.70	1.90	2.00	11.0
Torque (ft-lb)	0.00	0.74	1.50	2.20	3.0	3.5	3.8	11.0
RPM	1800	1780	1770	1755	1725	1,715	1705	0
Efficiency (%)		51.5	67.0	73.5	75.5	76.5	76.5	
P.F. (%)	18.0	35.5	51.5	63.5	72.5	78.0	81.0	78.0

Motor Speed Data

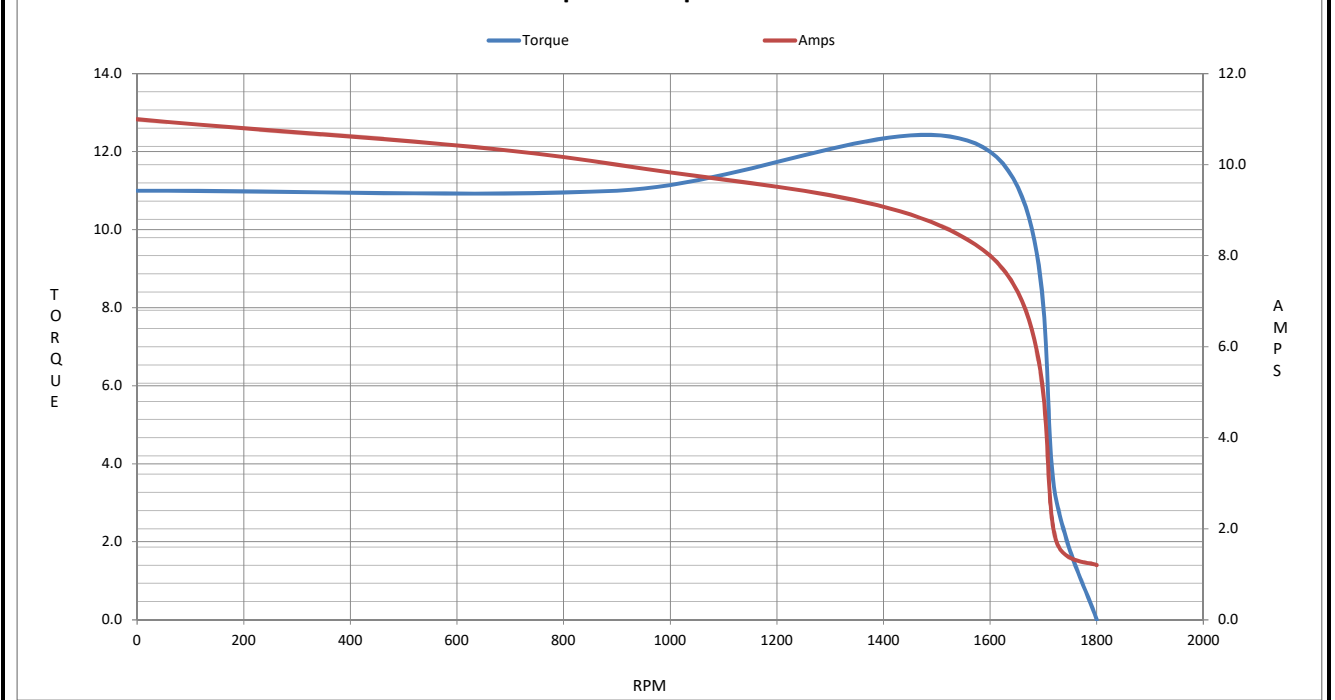
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1725	1800
Current (Amps)	11.0	10.0	8.0	1.70	1.20
Torque (ft-lb)	11.0	11.0	12.0	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	56			
Enclosure	DP			
Construction	TS			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.07 Lb-Ft <sup>2</sup>			
Ref Wdg	TE48416 NONE			
Sound Pressure @ 1M	56 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS75077-750			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



## 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 : 056T17D2100

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

Catalog No : G120

Rework No : N/A

Directives :

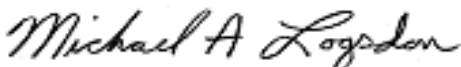
Low Voltage Directive 2014/35/EU

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 09/06/2022

**CE 22**