

PRODUCT INFORMATION PACKET



Model No: 056T17F5322

Catalog No: G582

General Purpose Motor, 0.75 & 0.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
56C Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E



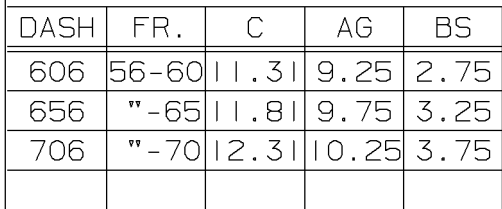


Nameplate Specifications

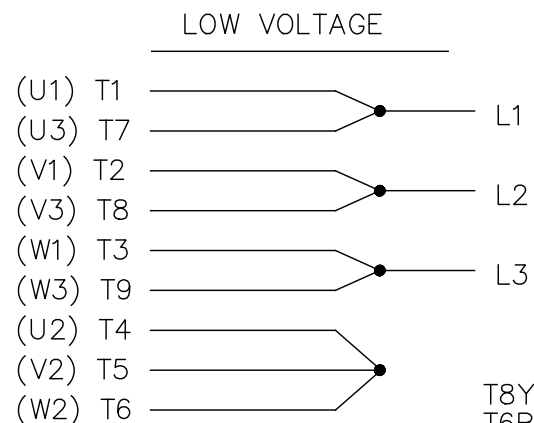
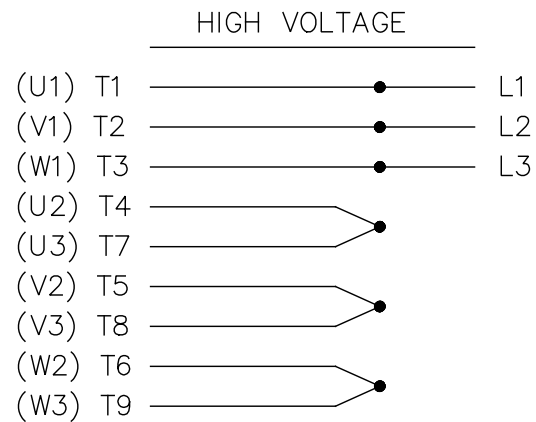
Phase	3	Output HP	0.75 & 0.50 Hp
Output KW	0.56 & 0.37 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	75.5 & 75.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	2.9-3/1.5 & 2.7/1.35 A	Power Factor	66.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

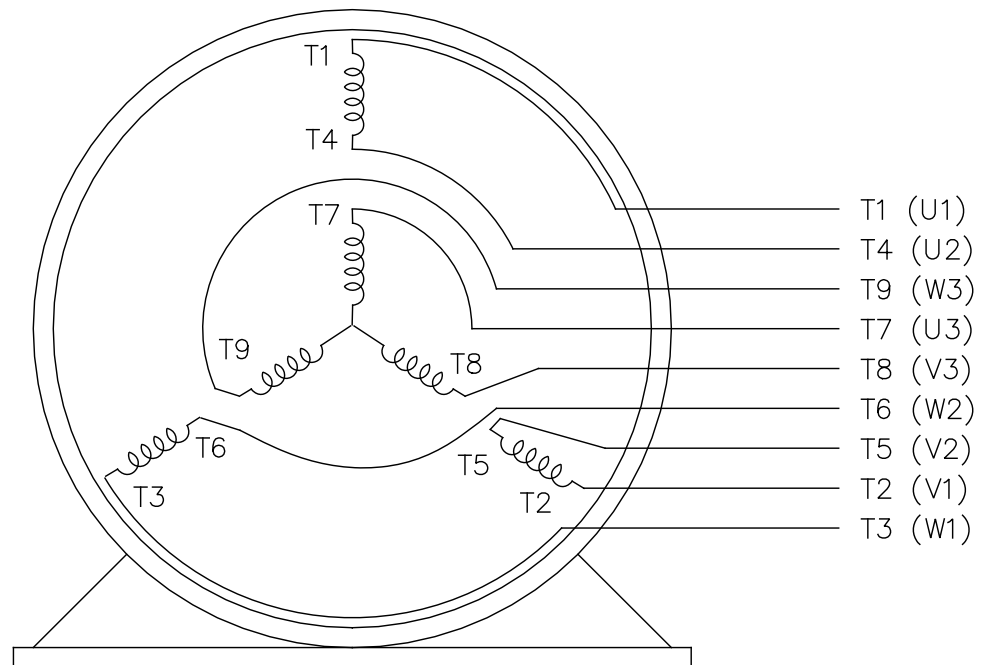
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	23.2 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.81 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308	Outline Drawing	A-100141-656



					✓	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"		
					MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY	TRB
				FINISH		CHKD BY		
I		NEW DRAWING	TRB		MATERIAL		APPD BY	
REV	DATE	CHANGE	NAME	PART NAME OUTLINE 56 FR. - BB - TEFC - 1Ø - "C" FRAME			DRWG NO A-100141LN	
					PURCHASED	CADD FILE NO.	100141LN	



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 —

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY:		
ECO	APPROVED BY	DATE	DEC. mm INCH ANGLE	AS		
ECO DESCRIPTION			.X ±2.5 ±0.11 ±0.5°	DATE:	DESCRIPTION	
NEW DRAWING			.XX ±0.51 ±0.021	02/20/2017		
COPYRIGHT KAMAN INDUSTRIAL TECHNOLOGIES INC. VENDOR IDENTIFICATION TNP ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF VENDOR IDENTIFICATION TNP ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			.XXX ±0.127 ±0.0051	APPROVED BY:	CONNECTION DIAGRA	
			.XXXX ±0.0127 ±0.00051	ST		
			REMOVE BURRS & BREAK SHARP	DATE:	3 PHASE - UAL VOLTAGE	
			EDGES .08/.38 [.003/.015]X 45°	02/20/2017		
			CORNER FILLETS R.51 [.02]	REFERENCE	MATERIAL	PROCESS/FINISH
			MACHINED SURFACES	EE7308		
			INCH 125 mm 3.2	THIRD ANGLE	SIZE DWG NO	SHEET
			INCH SHOWN IN [BRACKETS]	PROJECTION	A EE7308TP	1

CERTIFICATION DATA SHEET

Model#: 56T17F5322 J
 CONN. DIAGRAM: A-EE7308
 OUTLINE: A-100141-656

WINDING#: ZT411 FR 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&1/2	.56&.37	1800	1725&1425	56C	TEFC	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	2.9- 3/1.5&2.7/1.35	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 75.5&75.5	3/4 LOAD EFF: 74.5	1/2 LOAD EFF: 71	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 66.3&60	3/4 LOAD PF: 57	1/2 LOAD PF: 45.5	72	SQ CAGE IND RUN	2 / 1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.28 LB-FT	19.6 / 9.8	8.2 LB-FT 360	10 LB-FT 439	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.07 LB-FT^2	5 LB-FT^2	12 SEC.	2	25 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

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

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

* N O T E S *	INVERTER TORQUE: NONE		
	INV. HP SPEED RANGE: NONE		
	ENCODER: NONE		
	NONE NONE		
	NONE NONE PPR		
	BRAKE: PROVISIONS FOR KIT NONE		
	NONE P/N NONE		
	NONE NONE		
	NONE FT-LB		NONE V
			NONE Hz

DATE: 06/29/2017 12:38:25 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 8/30/2017

Customer: _____

Attention: _____

Submitted by: VINAYAK YERATE



56T17F5322

Submittal

Data @ 460 V

Motor Load Data

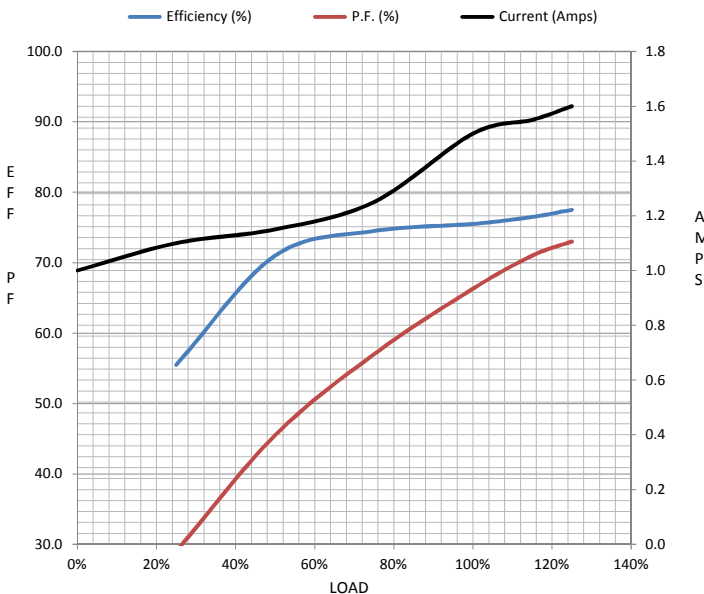
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.10	1.15	1.25	1.50	1.55	1.60	9.8	
Torque (ft-lb)	0.00	0.52	1.10	1.70	2.28	2.60	2.80	8.2	
RPM	1800	1785	1770	1750	1725	1,722	1720	0	
Efficiency (%)		55.5	71.0	74.5	75.5	76.5	77.5		
P.F. (%)	11.5	29.0	45.5	57.0	66.3	71.0	73.0	75.0	

Motor Speed Data

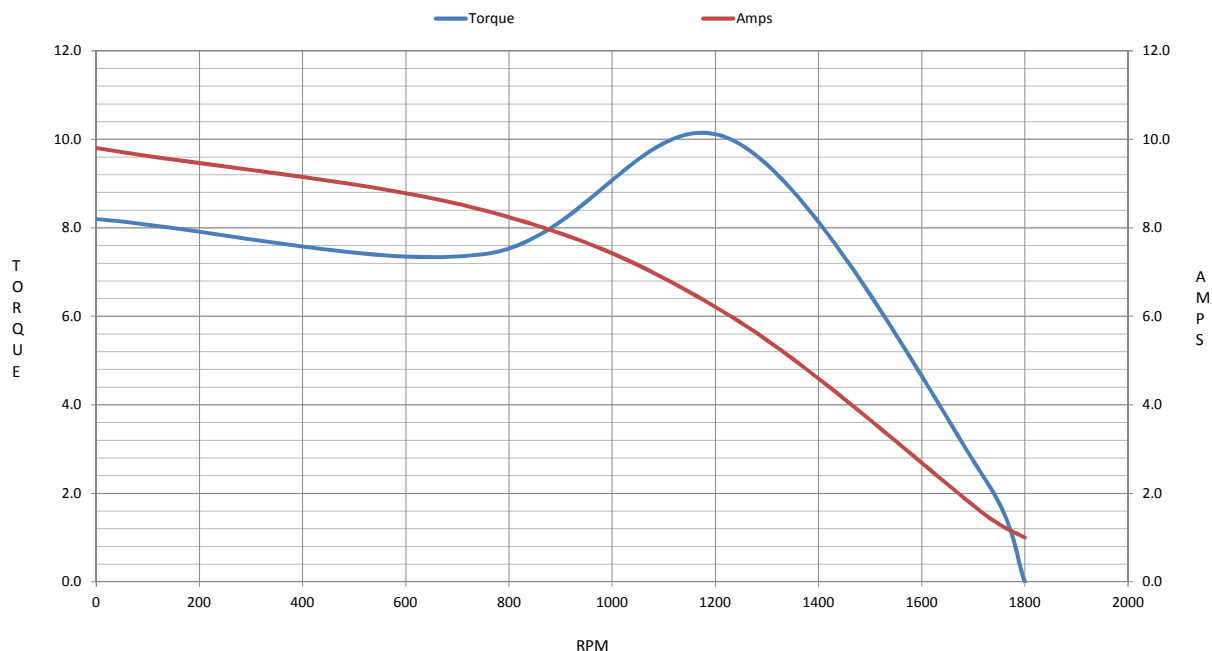
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1230	1725	1800
Current (Amps)	9.8	8.4	6.0	1.50	1.00
Torque (ft-lb)	8.2	7.4	10.0	2.28	0.00

Information Block

HP	0.8			
Sync. RPM	1800			
Frame	56			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.07 Lb-Ft²			
Ref Wdg	ZT411 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-100141-656			
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 : 056T17F5322

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

Catalog No : G582

Rework No : N/A

Directives :

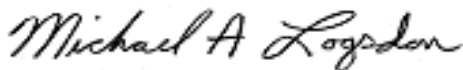
Low Voltage Directive 2014/35/EU

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