

PRODUCT INFORMATION PACKET



Model No: 056T17F5321

Catalog No: G581

General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
56C Frame, TEFC



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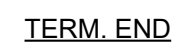


Nameplate Specifications

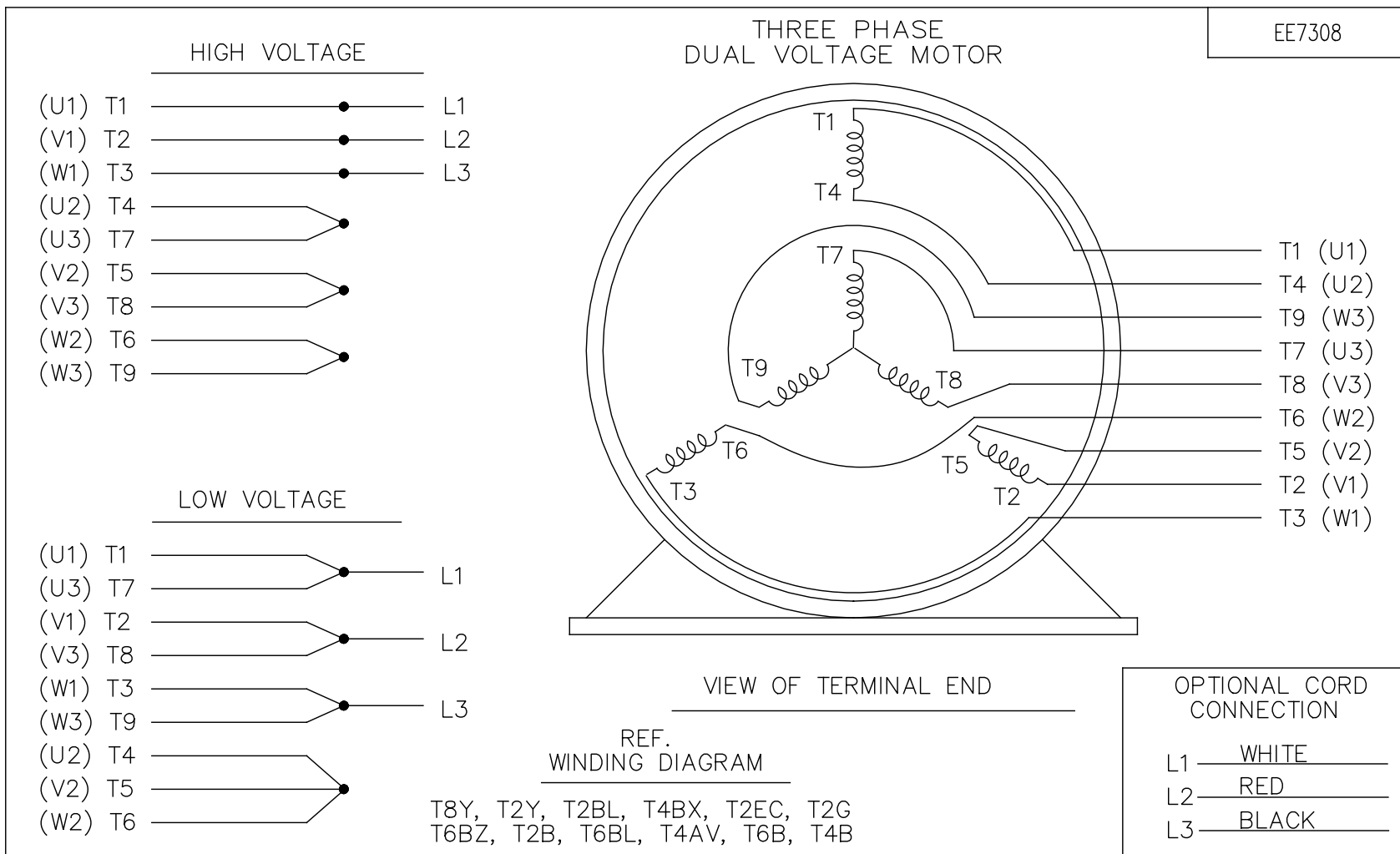
Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 & 67 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	2.3-2.4/1.2 & 2.2/1.1 A	Power Factor	53
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	40 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
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7308	Outline Drawing	A-100141-656



			Regal Beloit America, Inc.	
	DESCRIPTION			
	OUTLINE 56 FR - BB - TEFC - 'C' FACE			
	MATERIAL		PROCESS/FINISH	
	SIZE C	DRAWING NUMBER 100141		SHEET 1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		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	DRAWING NO. PAGE OF REV.
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PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****CUSTOMER****ORDER #:****PO#:****CONN. DIAGRAM:** A-EE7308**MODEL #:** 56T17F5321 J**OUTLINE:** A-100141-656**CUSTOMER PART****WINDING #:** ZT408 3**#:****MOUNTING:** F1 ONLY**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	0.37&0.25	1800	1725&1425	56C	TEFC	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	2.3-2.4/1.2&2.2/1.1	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	72&67	3/4 LOAD EFF:	68.4	1/2 LOAD EFF:	62.2	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	53&54	3/4 LOAD PF:	50.2	1/2 LOAD PF:	38.4	64		SQ CAGE INV RATED

F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
1.5 LB-FT		14 / 7		6.2 LB-FT 413 %		7.2 LB-FT 480 %		60

SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME		STARTS / HOUR		APPROX. MOTOR WGT
62 dBA		72 dBA		0.05 LB-FT^2		3 LB-FT^2		15 SEC.		2		23 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	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	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: CONSTANT 10:1
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

*

PREPARED BY: Srikanth Gosula

DATE: 07/25/2019 08:23:37 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 1/2/2019

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T17F5321

Submittal

Data @ 460 V

Motor Load Data

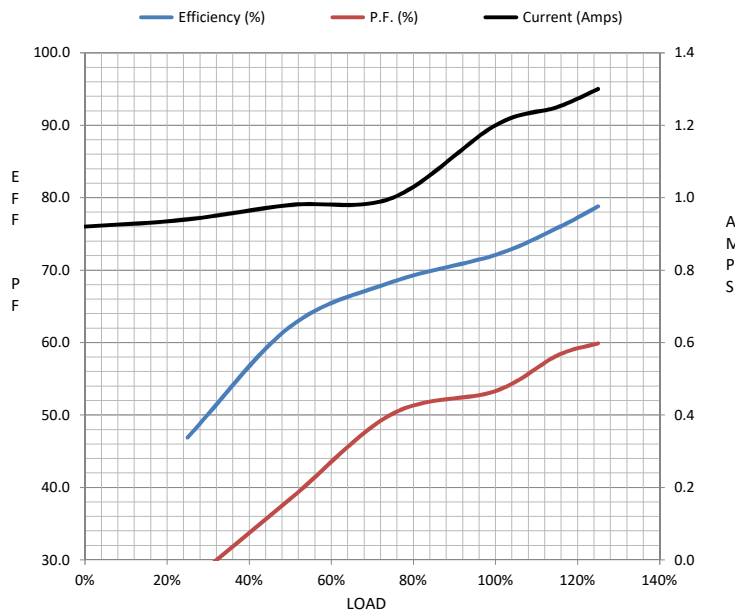
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.92	0.94	0.98	1.00	1.20	1.25	1.30	7.0	
Torque (ft-lb)	0.00	0.37	0.74	1.10	1.50	1.80	2.00	6.2	
RPM	1800	1785	1775	1750	1725	1,722	1720	0	
Efficiency (%)		46.9	62.2	68.4	72.1	75.8	78.8		
P.F. (%)	13.6	26.7	38.4	50.2	53.3	58.2	59.9	82.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	500	1150	1725	1800
Current (Amps)	7.0	6.5	4.8	1.20	0.92
Torque (ft-lb)	6.2	6.2	7.2	1.50	0.00

Information Block

HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	208-230/460#190/380 V			
Frequency	60		Hz	
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	45		° C	
Duty	CONT			
Ambient	40		° C	
Elevation	3300		feet	
Rotor/Shaft wk²	0.05		Lb-Ft²	
Ref Wdg	ZT408 NONE			
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

