

PRODUCT INFORMATION PACKET

Model No: 056T17F15668
Catalog No: G365A
1 1/2, 1800, TEFC, 56H, 3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

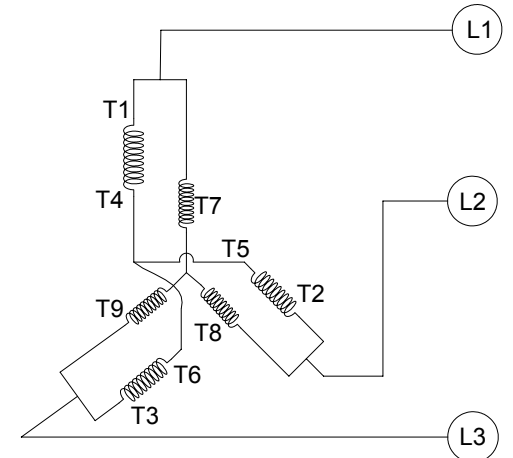
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.6/2.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	B	Design Code	A
KVA Code	P	Frame	56H
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

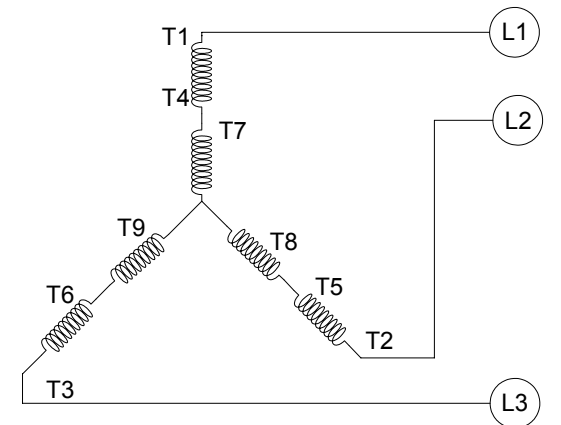
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	14.83 in	Frame Length	8.65 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	OL56100118-001	Connection Diagram	CDTD103

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CCW LOW VOLTAGE



CCW HIGH VOLTAGE



VIEW OF TERMINAL END

- NOTE:
1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
 2. CONNECTION DIAGRAM-NAMEPLATE DD10038

DRAWING REVISION A		REVISION BY G. RODRIGUEZ	DATE 07-06-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY G. RODRIGUEZ		REGAL™ Regal Beloit America, Inc.	
ECO		APPROVED BY R. VALENZUELA	DATE 07-06-2016	DEC.	INCH	mm	ANGLE	DATE 07-06-2016	DESCRIPTION CONN DIAGRAM-EXTERNAL
ECO DESCRIPTION				.X	±0.1	[±2.5]	±0.5°	APPROVED BY R. VALENZUELA	
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				.XXX	±0.005	[±0.127]		REFERENCE SKT52A105383CA	
				.XXXX	±0.0005	[±0.0127]		THIRD ANGLE PROJECTION	PROCESS/FINISH
				REMOVE BURRS & BREAK SHARP				SIZE B	DRAWING NUMBER CDTD103
				EDGES: .003/.015 [.076/.381]				SHEET 1 OF 1	
				CORNER FILLETS: .02 [.51]					
				MACHINED SURFACES: 125 INCH V/mm 3.2					
				mm SHOWN IN [BRACKETS]					

CERTIFICATION DATA SHEET

Model#: 56T17F15688 A WINDING#: ZT4256 FR 3
 CONN. DIAGRAM: CDTD103 ASSEMBLY: F1 ONLY
 OUTLINE: OL56100118-001

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1725&1425	56H	TEFC	P	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
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	3300

FULL LOAD EFF: 86.5&85	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71&64	3/4 LOAD PF: 62.5	1/2 LOAD PF: 49	84	SQ CAGE IND RUN	3 / 1.5

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
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY - GE (POWDER)

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

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

If Inverter equals NONE, contact factory for further information

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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: 06/28/2017 07:28:08 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.



Submital

Data @ 460 V

Date: 8/24/2017
 Customer:
 Attention:
 Submitted by: VINAYAK VERARTE

Motor Load Data

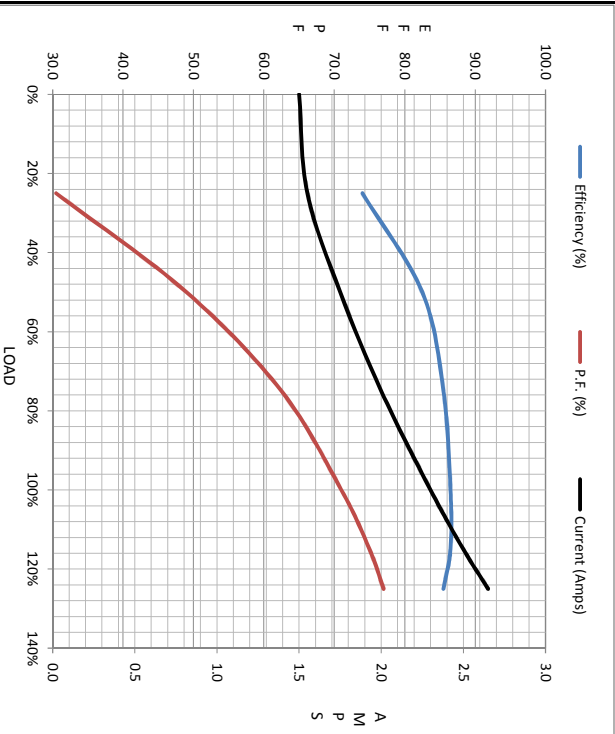
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.50	1.56	1.75	2.00	2.30	2.50	2.65	24.0
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7	21.2
RPM	1800	1790	1780	1765	1755	1,750	1745	0
Efficiency (%)		74.0	82.5	85.5	86.5	86.5	85.5	
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0	69.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	130	1190	1755	1800
Current (Amps)	24.0	23.3	16.0	2.30	1.50
Torque (ft-lb)	21.2	20.2	26.0	4.5	0.00

Information Block

HP	1.5			
Sync. RPM	1800			
Frame	145			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	P			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Motor/Shaft wkt	0.14 Lb-Ft²			
Rel Wdg	ZT4256 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	QL56100118-001			
Conn. Diag	CDTD103			
Additional Specifications:				
0				
0				
R1	R2	X1	X2	Xm
4.8380	3.7800	7.1250	7.1630	189.6050



Speed -Torque Curve

