

PRODUCT INFORMATION PACKET

Model No: 056T17D15915

Catalog No: K004A

1 HP General Purpose Motor, 3 phase, 1800 RPM, 230/460 V, 56 Frame, ODP
Three Phase ODP Motors





Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	83.5 %	Power Factor	70.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Frame	56	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	10.5 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	11.68 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 OUT ODE BRKT RADIAL		
Connection Drawing	D0000527-001	Outline Drawing	056T17D15915-S01

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3

2

1

D

D

C

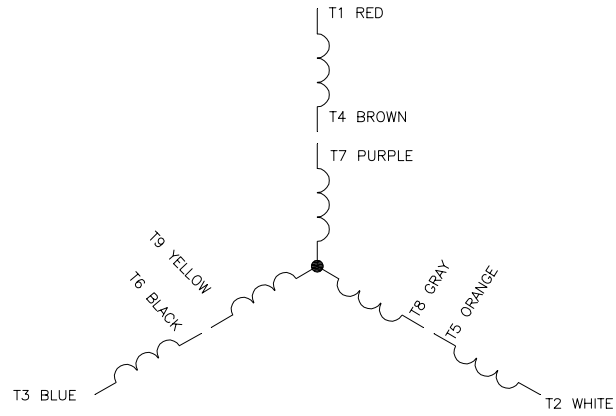
C

B

B

A

A



CONNECT AS FOLLOWS

HIGH VOLTAGE

- T1 - RED - LINE A
- T2 - WHITE - LINE B
- T3 - BLUE - LINE C
- T4 - BROWN -> TIE TOGETHER
- T7 - PURPLE -> TIE TOGETHER
- T5 - ORANGE -> TIE TOGETHER
- T8 - GRAY -> TIE TOGETHER
- T6 - BLACK -> TIE TOGETHER
- T9 - YELLOW -> TIE TOGETHER

LOW VOLTAGE

- T1 - RED -> LINE A
- T7 - PURPLE -> LINE A
- T2 - WHITE -> LINE B
- T8 - GRAY -> LINE B
- T3 - BLUE -> LINE C
- T9 - YELLOW -> LINE C
- T5 - ORANGE -> TIE TOGETHER
- T6 - BLACK -> TIE TOGETHER
- T4 - BROWN -> TIE TOGETHER

NOTES:

1. LEADS MAY BE MULTICOLORED AS SHOWN FOR GROUP -01 OR SINGLE COLOR FOR GROUP -02. IN EITHER CASE THE NUMBERING SEQUENCE WILL BE THE SAME.

CCW ROTATION; TO REVERSE ROTATION FOR EITHER VOLTAGE INTERCHANGE ANY TWO LINE LEADS

DRAWING REVISION A	REVISION BY R. RASCON	DATE 06-12-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC INCH DIM. ANGLE X ±0.1 (±2.5) ±0.5° XX ±0.02 (±0.51) XXX ±0.005 (±0.127) XXXX ±0.0005 (±0.0127)	DRAWN BY: R. RASCON	Regal Beloit America, Inc.
ECC 0053303	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.076/.381) CORNER FILLETS .02 (.51) MACHINED SURFACES .001/.002 (0.025/.051) mm SHOWN IN BRACKETS	DATE: 06-12-2014	DESCRIPTION CONN DIAGRAM-EXTERNAL
TEST DESCRIPTION NEW MODEL RELEASE			DATE:	APPROVED BY:	PROCESS/FINISH
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			THIRD ANGLE PROJECTION	SIZE DWG NO C	D0000527-001
					SHEET 1

4

3

2

1

CERTIFICATION DATA SHEET

Model#: 56T17D15915 AA **WINDING#:** SS0053503 NONE 1
CONN. DIAGRAM: D0000527-001 **ASSEMBLY:** F1 OUT ODE BRKT RADIAL
OUTLINE: 056T17D15915

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&3/4	0.75&0.56	1800	1725&1425	56	DP	K	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	3/1.5&3.0/1.5	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 83.5&80	3/4 LOAD EFF: 84.6	1/2 LOAD EFF: 80.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70.1&70.5	3/4 LOAD PF: 62	1/2 LOAD PF: 49	83.5	SQ CAGE IND RUN	1.9 / 1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48 LB-FT	27 / 13.5	170 LB-FT 354	247 LB-FT 515	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	1.5 LB-FT^2	10 SEC.	2	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
6203	6203						

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

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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** Subject to change without notice.

Date: 11/30/2017

56117015915

Customer:



56117015915

Attention:

EARL BABBITTS

Submital

Data @ 460 V

Submitted by:

Motor Load Data

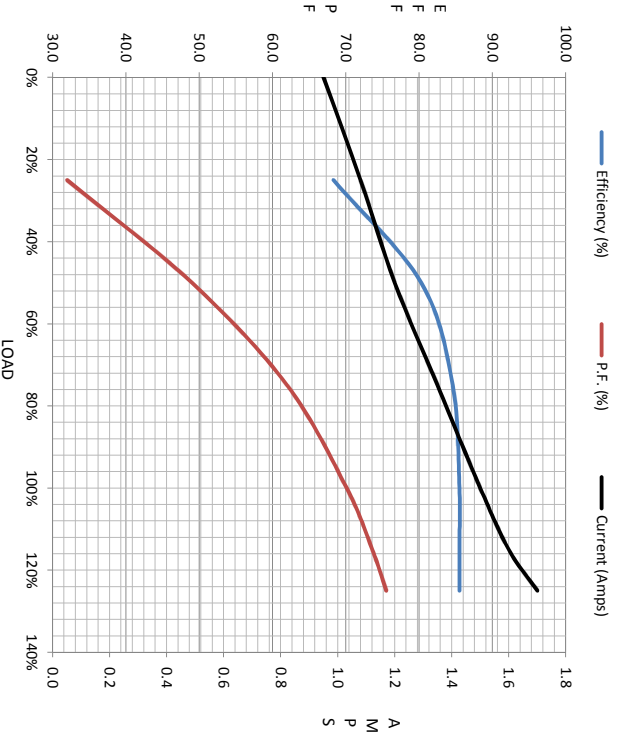
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.95	1.08	1.20	1.35	1.50	1.60	1.70	13.5
Torque (ft-lb)	0.00	190	386	576	772	888	965	2,735
RPM	1800	1788	1777	1766	1760	1755	1750	0
Efficiency (%)		68.3	80.3	84.6	85.5	85.5	85.5	
P.F. (%)	20.0	32.0	48.0	62.0	70.1	73.6	75.5	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	900	1300	1760	1800
Current (Amps)	13.5	12.4	8.1	1.50	0.95
Torque (ft-lb)	2,735	2,735	3,973	772	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	56			
Enclosure	DP			
Construction	TDR			
Voltage	30/460#190/381 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	0.00 Lb-Ft ²			
Ret Wdg	SS0053503 NONE			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	056117/D15915			
Conn. Diag	D0000527-001			
Additional Specifications:				
0				
EQUIV CKT (OHMS/ PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

