

PRODUCT INFORMATION PACKET

Model No: 056T17DRR70021A1
Catalog No: G905A
1/2,1725,DP,56,3,60-50,208-230/460&190/380
Open Drip Proof (ODP)



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Nameplate Specifications

Output HP	0.5 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.7-1.8/0.9 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	78.2 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	B
KVA Code	P	Frame	56
Enclosure	DP	Overload Protector	AUTOMATIC
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	STANDARD 56
Overall Length	11.99 in	Shaft Diameter	0.63 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	OL56100172-001	Connection Diagram	CDTD102

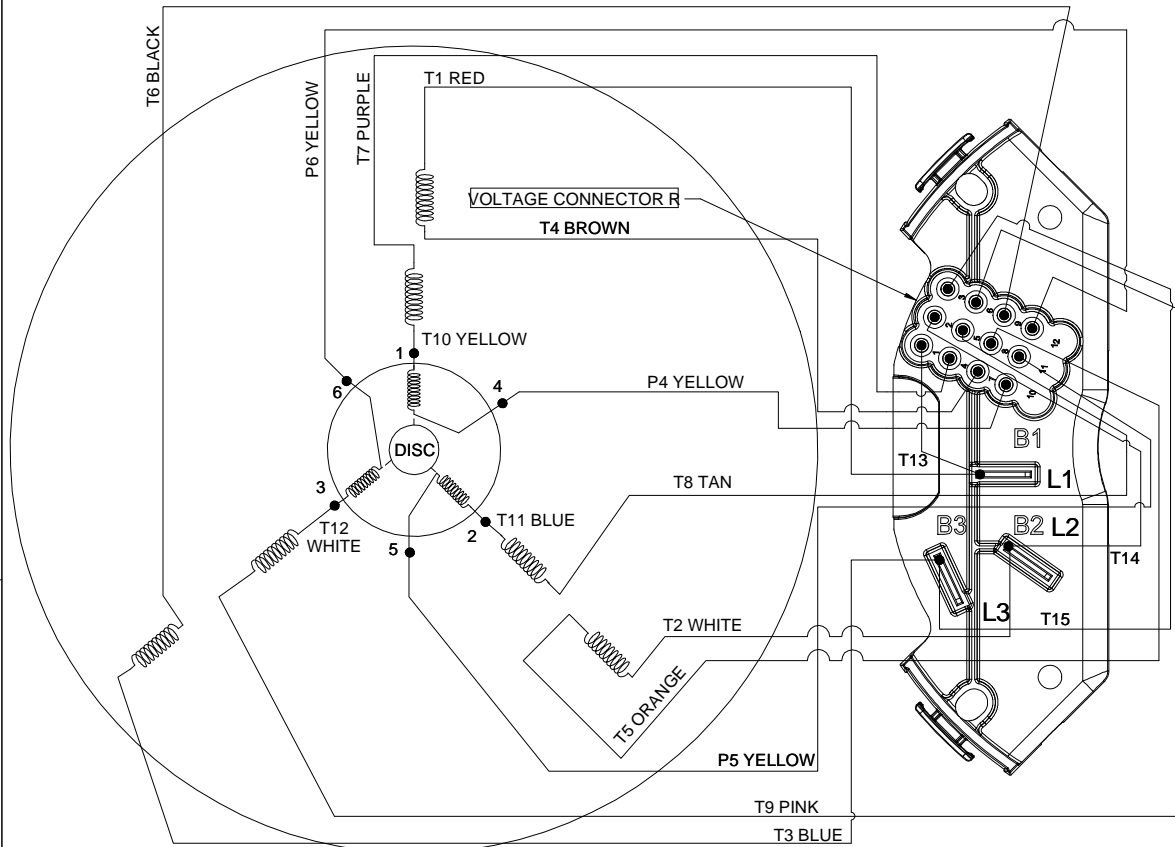
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B

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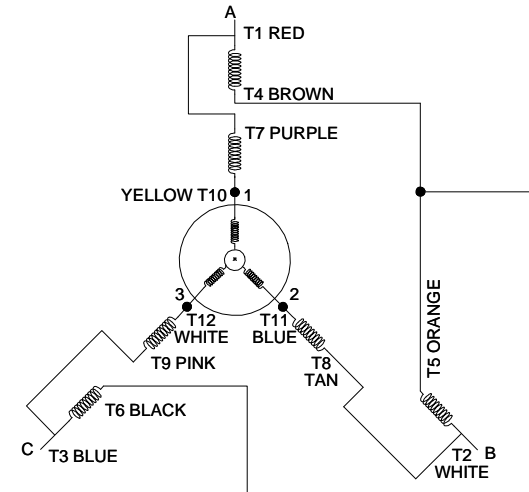
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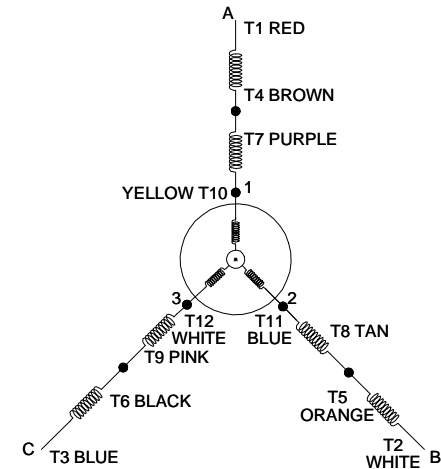
NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. REF. TERMINAL BOARD 10000085-001-001.
3. CONNECTION-DIAGRAM NAMEPLATE DD10027-001.

CCW LOW VOLTAGE



CCW HIGH VOLTAGE



DRAWING REVISION A	REVISION BY G. RODRIGUEZ	DATE 07-12-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE ±0.5°
ECO ECO-0142249	APPROVED BY R. VALENZUELA	DATE 07-12-2016	.X ±0.1 [+2.5] .XX ±0.01 [+0.25] .XXX ±0.005 [+0.127] .XXXX ±0.0005 [+0.0127]
ECO DESCRIPTION NEW RELEASE			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125/3.2 INCH/mm
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DRAWN BY G. RODRIGUEZ	DATE 07-12-2016
APPROVED BY R. VALENZUELA	DATE 07-12-2016
REFERENCE 52A110547	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTD102
SHEET 1 OF 1	

CERTIFICATION DATA SHEET

Model#: 56T17DRR70021A1 A **WINDING#:** NT56468 NONE 3
CONN. DIAGRAM: CDTD102 **ASSEMBLY:** F1 ONLY
OUTLINE: OL56100172-001

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	56	DP	P	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	1.7- 1.8/0.9&1.6/0. 8	ACROSS THE LINE	CONTINUOU S	B3	1.25/1.25	40	3300

FULL LOAD EFF: 78.2&82.5	3/4 LOAD EFF: 83.3	1/2 LOAD EFF: 78.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 64&57.3	3/4 LOAD PF: 53.8	1/2 LOAD PF: 42	72	SQ CAGE IND RUN	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.51 LB-FT	16.1 / 8.1	6.43 LB-FT 423.86	8.89 LB-FT 585.96	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	0.07 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
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6205	BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	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.