PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056T17G5314
Catalog No: G663
1 HP Explosion Proof Motor, 3 phase, 1800 RPM, 208-230/460 V, 56 Frame, EPFC
Explosion Proof NEMA Motors

REGAL

marathon® Motors

Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.4-3.6/1.8 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	77 %	Power Factor	68.4
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Frame	56	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Ambient Temperature	40 ℃
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B		

Technical Specifications

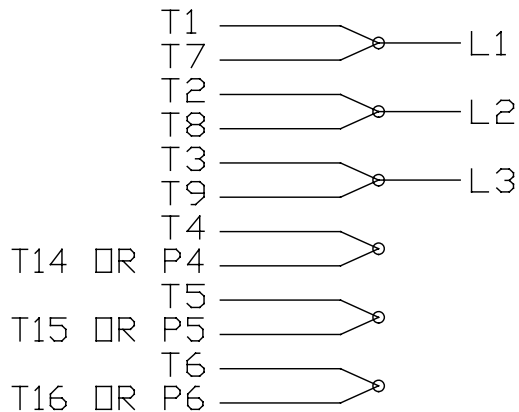|			
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	17.9 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.94 in
Frame Length	6.81 in	Shaft Diameter	0.625 in
Shaft Extension	2 in	Assembly/Box Mounting	F1 ONLY

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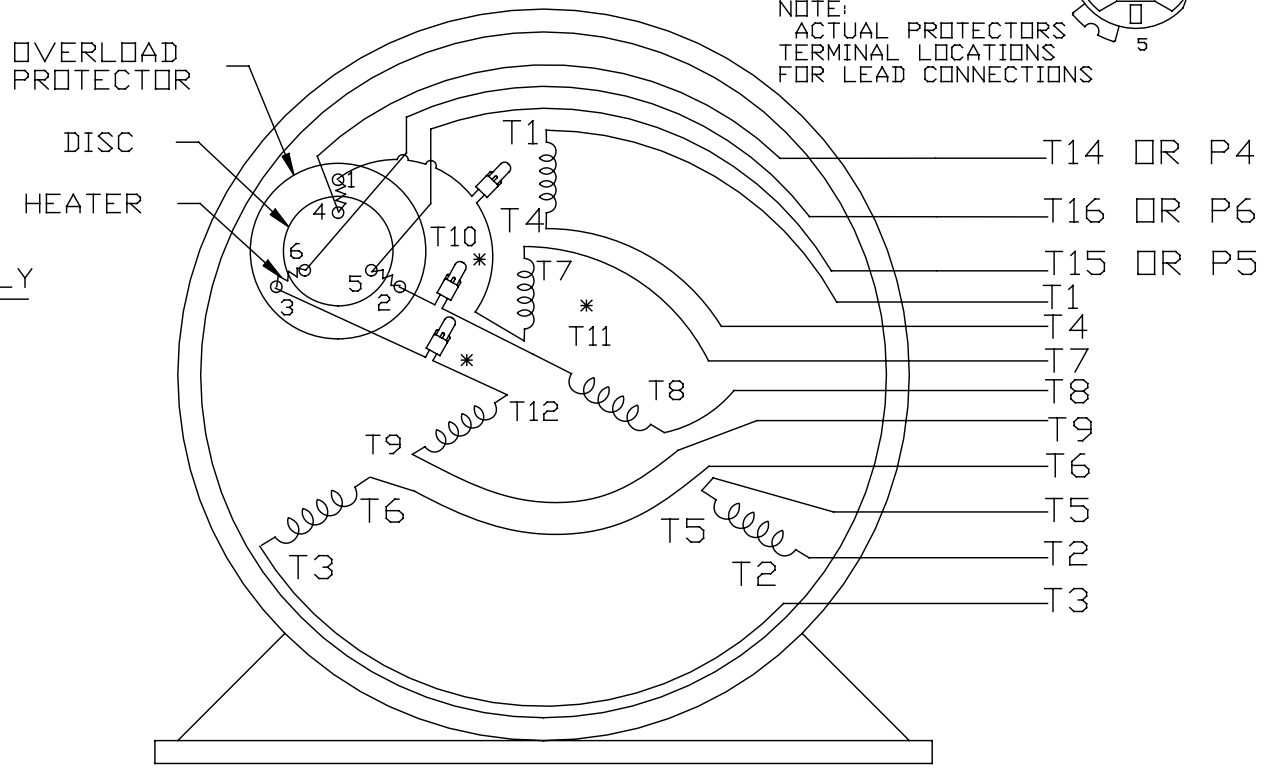
	TYPE	LINE/SERIES		SEQ. NO.
	331	0602 VWRE		5104189
B/M NUMBER			ISSUE	REV.

	DATE	BY	
MADE BY: QR	DATE: 12-21-69		
CHECKED BY:	DATE:		
APPROVED BY:	DATE:		

B/M SPECIAL ~~STANDARD~~

	S.O. NO.		STYLE			SHEET 1 OF 1			X=STYLE OF PART
SHAFT ARRGMT. ALL			RAW MAT'L. CODE			RATIO ALL		STYLE	QTY. PER UNIT

L I N E I T E M	DESCRIPTION	ASSY. I T E M	PART NUMBER	D R W G R E V.	D I M E N S	PRODUCT REF.	DRAWING REF. NO.		
1	STD. REDUCER B/M		100866			0602 VWRE			1
2									
3	OMIT:								
4	ENDBELL - INPUT SUBASSEMBLY		50-100915	A B	0202 CNB				-1
5									
6	ADD:								
7	DRIVE SPEC. - ALLSPEDE		07-620740	A					1
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REVISIONS AND ISSUES

DESCRIPTION	BY	DATE	CHK'D

USE WITH

BILL OF MAT'L. NO.

SIZE	LINE SERIES	TYPE	SEQ. NO.	ISSUE	REV.

APR 21 1994

EE7335

HIGH VOLTAGE CONNECTIONS

T1 —————○——— L1
T2 —————○——— L2
T3 —————○——— L3
T4 ————————
T7 ————————
T5 ————————
T8 ————————
T6 ————————
T9 ————————
T14 OR P4 ————————○
T15 OR P5 ————————○   INSULATE
T16 OR P6 ————————○   SEPARATELY
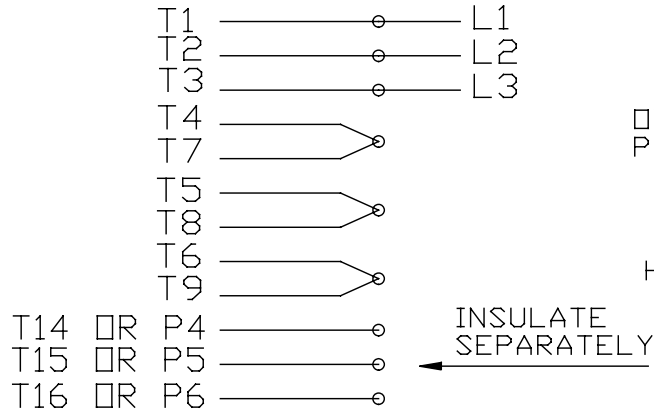
LOW VOLTAGE CONNECTIONS

T1 ————————
T7 ————————○——— L1
T2 ————————
T8 ————————○——— L2
T3 ————————
T9 ————————○——— L3
T4 ————————
T14 OR P4 ————————○
T5 ————————
T15 OR P5 ————————○
T6 ————————
T16 OR P6 ————————○

✳ USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR

OVERLOAD PROTECTOR

DISC

HEATER

NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

T14 OR P4
T16 OR P6
T15 OR P5
T1
T4
T7
T8
T9
T6
T5
T2
T3

T1
T10
T4
T7
T11
T12
T8
T9
T6
T5
T3
T2

VIEW OF TERMINAL END

T2K
T4D
T6AN

NO.	REVISION	BY & DATE	CHK	ANG	±1/2°
17	CHANGED LOGO FROM MARATHON TO REGAL	KIR 02/16/16	AB	DEC.	INCHES
16	PRESSURE CONNECTORS QUANTITY WAS 6	PVR 10/29/13	GR	.X	±.1
15	PRESSURE CONNECTORS ADDED	GR 03/04/13	SR	.XX	±.01
14	ADDED ACTUAL PROCECTOR VIEW CN 17481	KL 05/18/94		.XXX	±.005
13	REDRAWN IN AUTO CAD	KL 08/11/93		.XXXX	±.0005

TOLERANCES UNLESS SPECIFIED

REGAL™ **Regal Beloit America, Inc.**

DRAWN KL 08-09-1993
CHK ML 08/10/1993
APPD GK 08/10/1993

TITLE   CONNECTION DIAGRAM
3Ø-DUAL VOLT WITH OVERLOAD PROTECTOR

MAT'L.
FINISH

SCALE 1=1
REF
FMF
PREV

RFP
DIST
CAD FILE   EE7335
SIZE A
DRAWING NO. EE7335
REV. 17