

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 056T17F15644  
Catalog No: K724A  
2,1800,TEFC,56HC,3/60/575  
Totally Enclosed Fan Cooled (TEFC)



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**REGAL**<sup>®</sup>



### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>2.4 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>N</b>	Frame	<b>56HC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Bolt-on Base</b>	Motor Orientation	<b>Horizontal Or Up Or Down</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>15.15 in</b>	Frame Length	<b>8.65 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>OL56100017-001</b>	Connection Diagram	<b>CDTS112</b>

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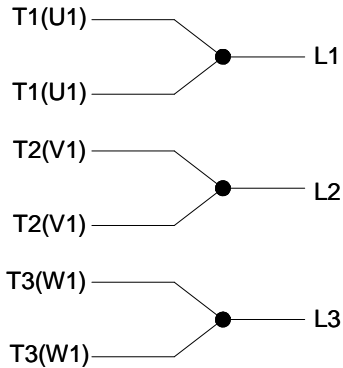
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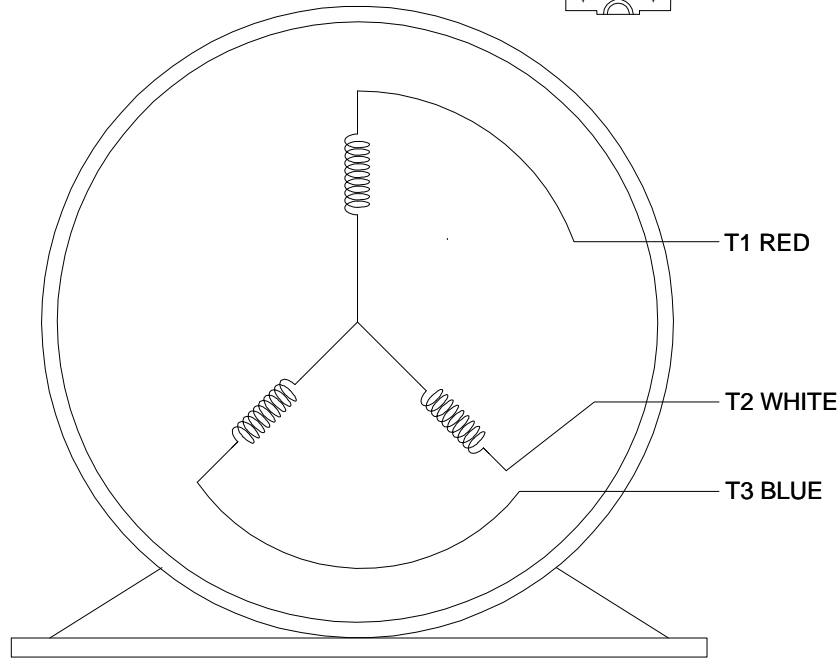
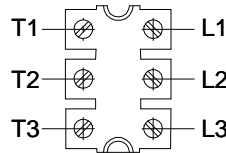
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IF MOTOR HAS 6 LEADS



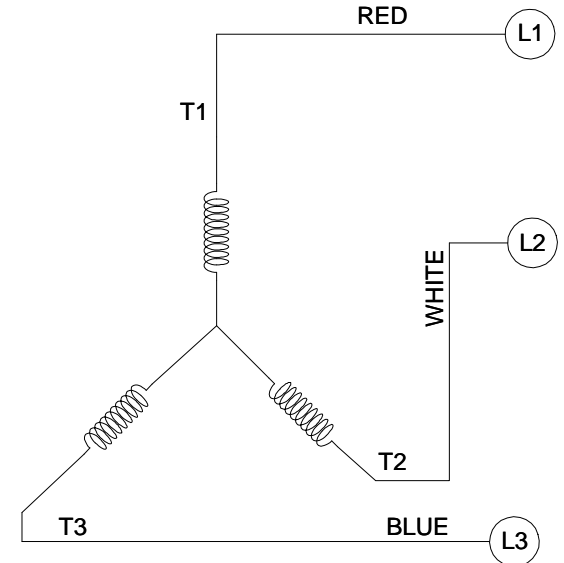
A- 9806 DECAL

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

CCW HIGH VOLTAGE



NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE: DD10040-001.

DRAWING REVISION A	REVISION BY G. RODRIGUEZ	DATE 03-20-2018
ECO ECO-0142578	APPROVED BY J. A. MORENO	DATE 03-20-2018
ECO DESCRIPTION NEW RELEASE		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [.076/.381]		
CORNER FILLETS: .02 [.51]		
MACHINED SURFACES: 125/3.2		
mm SHOWN IN [BRACKETS]		

DRAWN BY G. RODRIGUEZ	DATE 03-20-2018
APPROVED BY J. A. MORENO	DATE 03-20-2018
REFERENCE SKT52A105383CA	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTS112
SHEET 1 OF 1	

CERTIFICATION DATA SHEET

Model#: 56T17F15644 A
CONN. DIAGRAM: CDTS112
OUTLINE: OL56100017-001

WINDING#: ZT4255 FR 4
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

Table with 8 columns: HP, KW, SYNC. RPM, F.L. RPM, FRAME, ENCLOSURE, KVA CODE, DESIGN. Values include 2, 1.49, 1800, 1725, 56HC, TEFC, N, B.

Table with 10 columns: PH, Hz, VOLTS, FL AMPS, START TYPE, DUTY, INSL, S.F, AMB°C, ELEVATION. Values include 3, 60, 575, 2.4, ACROSS THE LINE, CONTINUOUS, F3, 1.15, 40, 3300.

Table with 6 columns: FULL LOAD EFF, 3/4 LOAD EFF, 1/2 LOAD EFF, GTD. EFF, ELEC. TYPE, NO LOAD AMPS. Values include 86.5, 86.5, 85.5, 84, SQ CAGE IND RUN, 1.5.

Table with 5 columns: F.L. TORQUE, LOCKED ROTOR AMPS, L.R. TORQUE, B.D. TORQUE, F.L. RISE°C. Values include 6 LB-FT, 24.4, 24.5 LB-FT 408, 33.2 LB-FT 553, 45.

Table with 6 columns: SOUND PRESSURE @ 3 FT., SOUND POWER, ROTOR WK^2, MAX. WK^2, SAFE STALL TIME, STARTS /HOUR, APPROX. MOTOR WGT. Values include 62 dBA, 72 dBA, 0.14 LB-FT^2, 12 LB-FT^2, 15 SEC., 2, 65 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

Table with 9 columns: DE BRACKET TYPE, ODE BRACKET TYPE, MOUNT TYPE, ORIENTATION, SEVERE DUTY, HAZARDOUS LOCATION, DRIP COVER, SCREENS, PAINT. Values include C-FACE, BRAKE, BOLT-ON, HORIZONTAL OR UP OR DOWN, FALSE, NONE, PROVISIONS ONLY, NONE, GRAY (POWDER).

Table with 8 columns: BEARINGS (DE, OPE), GREASE, SHAFT TYPE, SPECIAL DE, SPECIAL ODE, SHAFT MATERIAL, FRAME MATERIAL. Values include BALL, BALL, POLYREX EM, STANDARD 56, NONE, NONE, AISI 1215 (MS1000), ROLLED STEEL.

Table with 7 columns: THERMO-PROTECTORS (THERMOSTATS, PROTECTORS, WDG RTDs, BRG RTDs), THERMISTORS, CONTROL, SPACE /n HEATERS. Values include NONE, NOT, NONE, NONE, NONE, FALSE, NONE VOLTS.

If Inverter equals NONE, contact factory for further information

Table with 3 columns: INVERTER TORQUE, INV. HP SPEED RANGE, ENCODER, BRAKE, NONE FT-LB, NONE V, NONE Hz. Values include NONE, NONE, NONE, NONE, NONE, NONE PPR, NONE, P/N NONE, NONE, NONE, NONE V, NONE Hz.

NOTES

DATE: 06/28/2017 07:11:52 AM
FORM 3531 REV.3 02/07/99
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