

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T17F15659
Catalog No: K1438B
1 1/2, 1800, TEFC, 56C, 3/60/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

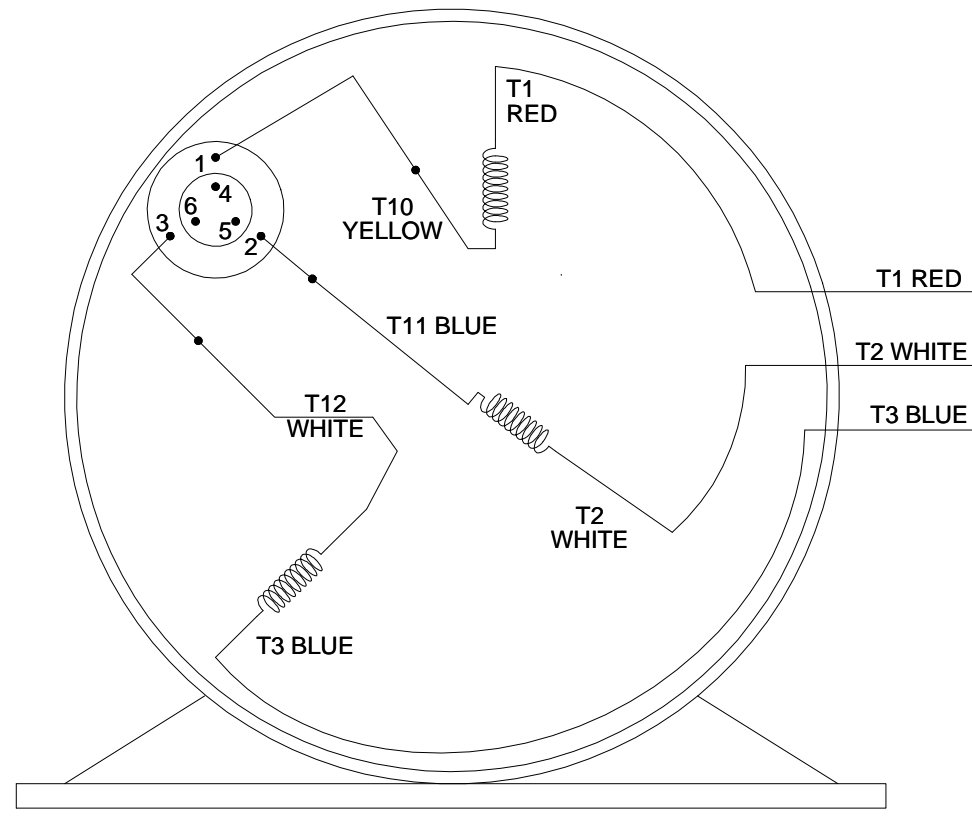
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	460 V
Current	2.3 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	B	Design Code	A
KVA Code	P	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	Automatic
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	14.65 in	Frame Length	8.65 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	OL56100047-001	Connection Diagram	CDTS106

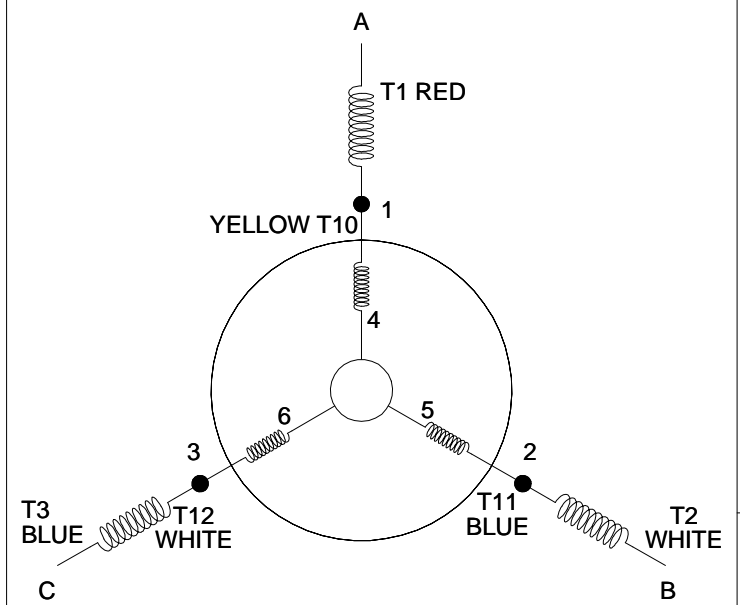
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SINGLE VOLTAGE - THREE PHASE WITH OVERLOAD PROTECTOR



VIEW OF TERMINAL END

CCW ROTATION



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

DRAWING REVISION C	REVISION BY A.ARREOLA	DATE 03-20-2018
ECO ECO-0141443	APPROVED BY A.ARREOLA	DATE 03-20-2018
ECO DESCRIPTION CONN DIAGRAM NAMEPLATE UPDATED		
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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		
INCH/mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY G. RODRIGUEZ
DATE 07-30-2015
APPROVED BY R. VALENZUELA
DATE 07-30-2015
REFERENCE SKT52A105383CA
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTS106
SHEET 1 OF 1	

CERTIFICATION DATA SHEET

Model#: 56T17F15659 A WINDING#: ZT4256 FR 5
 CONN. DIAGRAM: CDT5106 ASSEMBLY: F1/F2 CAPABLE
 OUTLINE: OL56100047-001

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	2.3&2.7	ACROSS THE LINE	CONTINUOUS	B3	1.0/1.0	40	3300

FULL LOAD EFF: 86.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71&75	3/4 LOAD PF: 62.5	1/2 LOAD PF: 49	84	SQ CAGE IND RUN	1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	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
C-FACE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	GRAY (POWDER)

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	AUTOMATIC	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: NONE NONE	NONE P/N NONE
NONE NONE	
NONE FT-LB	NONE V NONE Hz

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