

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T17F15642
Catalog No: K709A
1,1800,TEFC,56HC,3/60/575
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	575 V
Current	1.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	P	Frame	56HC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
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	Bolt-on Base	Motor Orientation	Horizontal Or Up Or Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	14.15 in	Frame Length	8.65 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	OL56100008-001	Connection Diagram	CDTS112

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3

Uncontrolled Copy

2

1

001

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	

4

3

2

1

3 of 4

CERTIFICATION DATA SHEET

Model#: 56T17F15642 A WINDING#: ZT4257 FR 4
 CONN. DIAGRAM: CDT5112 ASSEMBLY: F1 ONLY
 OUTLINE: OL56100008-001

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1725	56HC	TEFC	P	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	1.3	ACROSS THE LINE	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 84	1/2 LOAD EFF: 81.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 68	3/4 LOAD PF: 59.5	1/2 LOAD PF: 46.5	82.5	SQ CAGE IND RUN	.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	13.6	13.7 LB-FT 457	16.8 LB-FT 560	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.12 LB-FT^2	0 LB-FT^2	15 SEC.	2	48 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

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

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

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