

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 056T17F15641
Catalog No: G584A
1 1/2, 1800, TEFC, 56HC, 3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

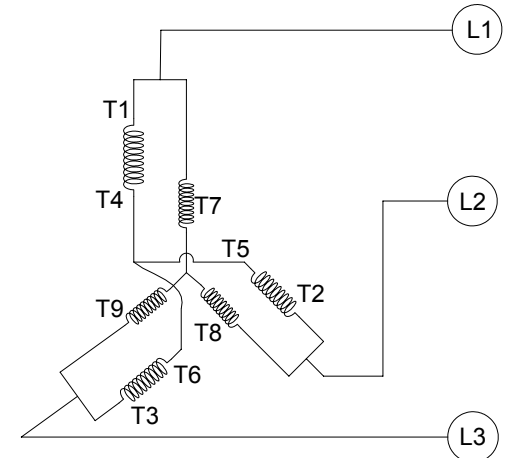
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.6/2.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	P	Frame	56HC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

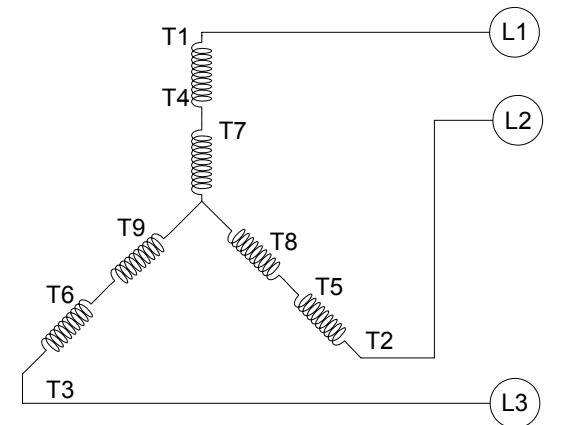
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Bolt-on Base	Motor Orientation	Horizontal Or Up Or Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	14.15 in	Frame Length	9.15 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	OL56100003-002	Connection Diagram	CDTD103

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CCW LOW VOLTAGE



CCW HIGH VOLTAGE



VIEW OF TERMINAL END

- NOTE:
1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
 2. CONNECTION DIAGRAM-NAMEPLATE DD10038

DRAWING REVISION A	REVISION BY G. RODRIGUEZ	DATE 07-06-2016
ECO	APPROVED BY R. VALENZUELA	DATE 07-06-2016
ECO DESCRIPTION		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:	
DEC.	INCH mm ANGLE
.X	+0.1 [-2.5] ±0.5°
.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	REGAL™ Regal Beloit America, Inc.	
DATE 07-06-2016	DESCRIPTION CONN DIAGRAM-EXTERNAL	
APPROVED BY R. VALENZUELA	MATERIAL	PROCESS/FINISH
DATE 07-06-2016	REFERENCE SKT52A105383CA	SIZE B
THIRD ANGLE PROJECTION	DRAWING NUMBER CDTD103	SHEET 1 OF 1



Submital

Data @ 460 V

Date: 8/23/2017
 Customer:
 Attention:
 Submitted by: VINAYAK VERARTE

Motor Load Data

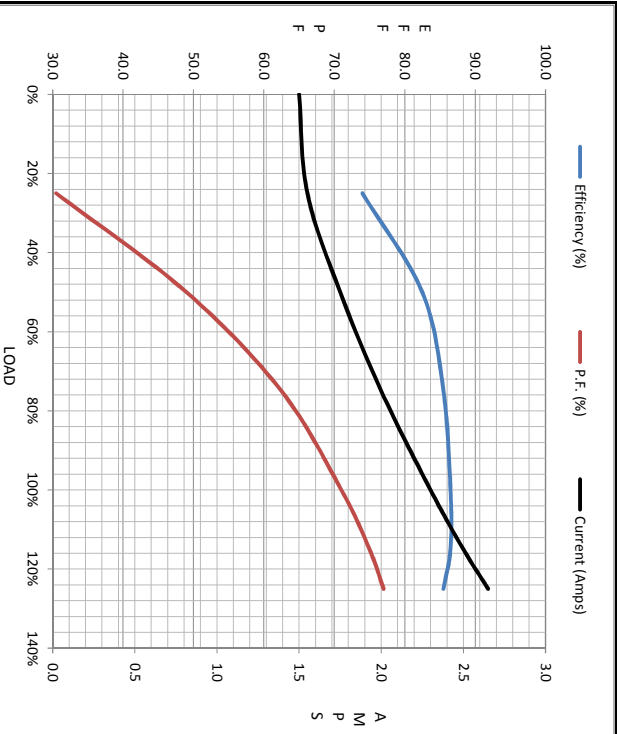
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.50	1.56	1.75	2.00	2.30	2.50	2.65	24.0
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7	21.2
RPM	1800	1790	1780	1765	1755	1,750	1745	0
Efficiency (%)		74.0	82.5	85.5	86.5	86.5	85.5	
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0	69.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	130	1190	1755	1800
Current (Amps)	24.0	23.3	16.0	2.30	1.50
Torque (ft-lb)	21.2	20.2	26.0	4.5	0.00

Information Block

HP	1.5			
Sync. RPM	1800			
Frame	145			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	P			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Motor/Shaft wtk	0.14 Lb-Ft²			
Rel Wdg	ZT4256 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	QL56100003-002			
Conn. Diag	CDTD103			
Additional Specifications:				
0				
0				
R1	R2	X1	X2	Xm
4.8380	3.7800	7.1250	7.1630	189.6050



Speed -Torque Curve

