

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056C34W5307
Catalog No: N558
1/2,3600,TEFC,56C,1/60/115/208-230
Washdown Duty



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REGAL



Nameplate Specifications

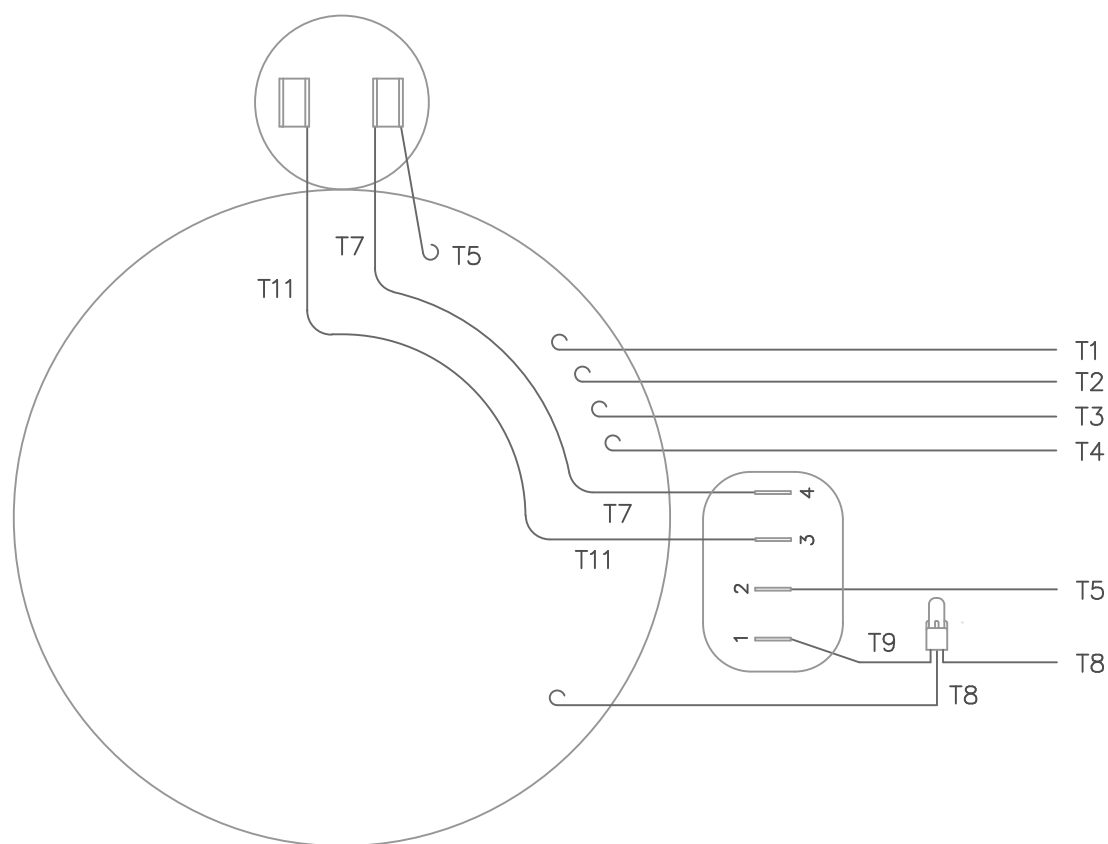
Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	7.6/4.0-3.8 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	63 %	Duty	Continuous
Insulation Class	F	Design Code	N
KVA Code	M	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

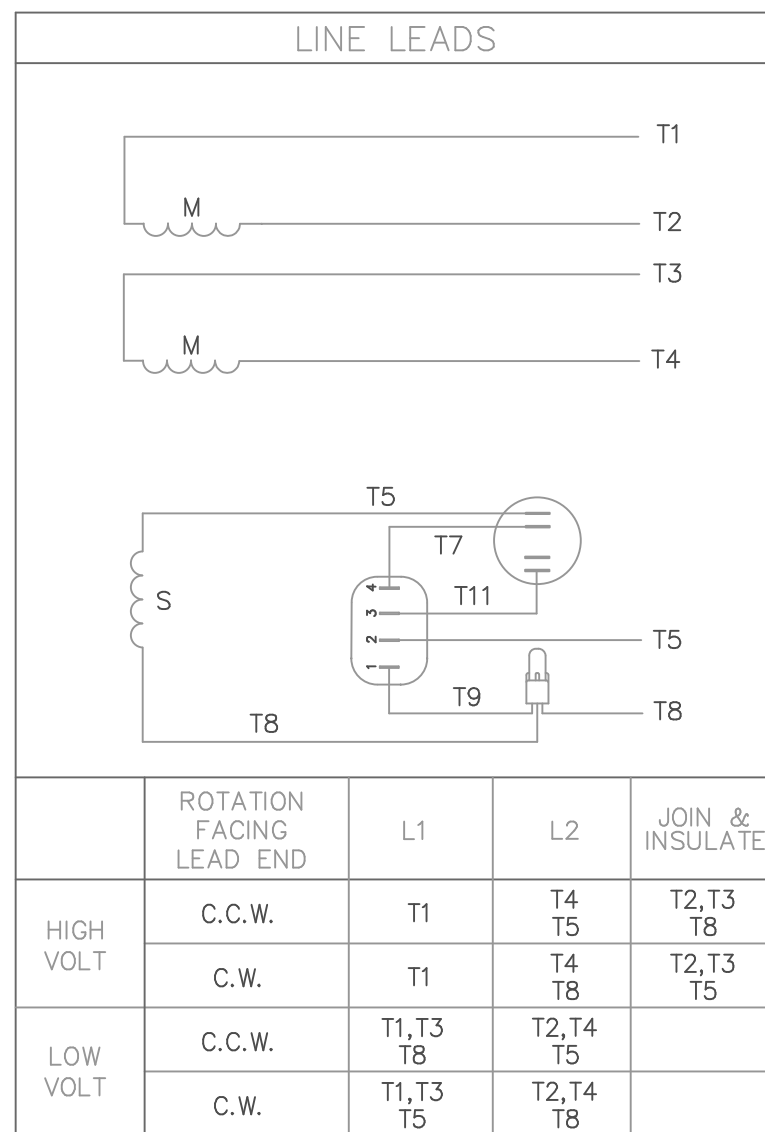
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	10.41 in	Frame Length	4.75 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	028881ME-475	Connection Diagram	005278-07ME




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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS SPECIFIED			DRAWN LST 1/19/09					
				DEC.	INCHES		CHK					
				.X	±.1		APPD					
				.XX	±.01		TITLE EXTERNAL WIRING DIAGRAM TYPE "C" WITHOUT PROTECTOR	SCALE 1=1				
				.XXX	±.005			REF				
				.XXXX	±.0005	MAT'L. DECAL - 004012	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		PREV				
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			DIST					A	005278-07ME			

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CERTIFICATION DATA SHEET

Model#:

56C34W5307 C

WINDING#:

C632209 FR 3

CONN. DIAGRAM:

005278-07ME

ASSEMBLY:

F1 ONLY

OUTLINE:

028881ME-475

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	3600	3450	56C	TEFC	M	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	7.6/4-3.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 63	3/4 LOAD EFF: 59.3	1/2 LOAD EFF: 51.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70	3/4 LOAD PF: 61.6	1/2 LOAD PF: 51.6	0	CAP START IND RUN	5.6 / 2.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.09 LB-FT	44 / 22	45 LB-FT 375	32 LB-FT 267	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.03 LB-FT^2	- LB-FT^2	- SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

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If Inverter equals NONE, contact factory for further information

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