

PRODUCT INFORMATION PACKET

Model No: 056S17D2047

Catalog No: B201

0.25 HP Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 56Z Frame, ODP
Other Fan and Blower Motors



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REGAL

Nameplate Specifications

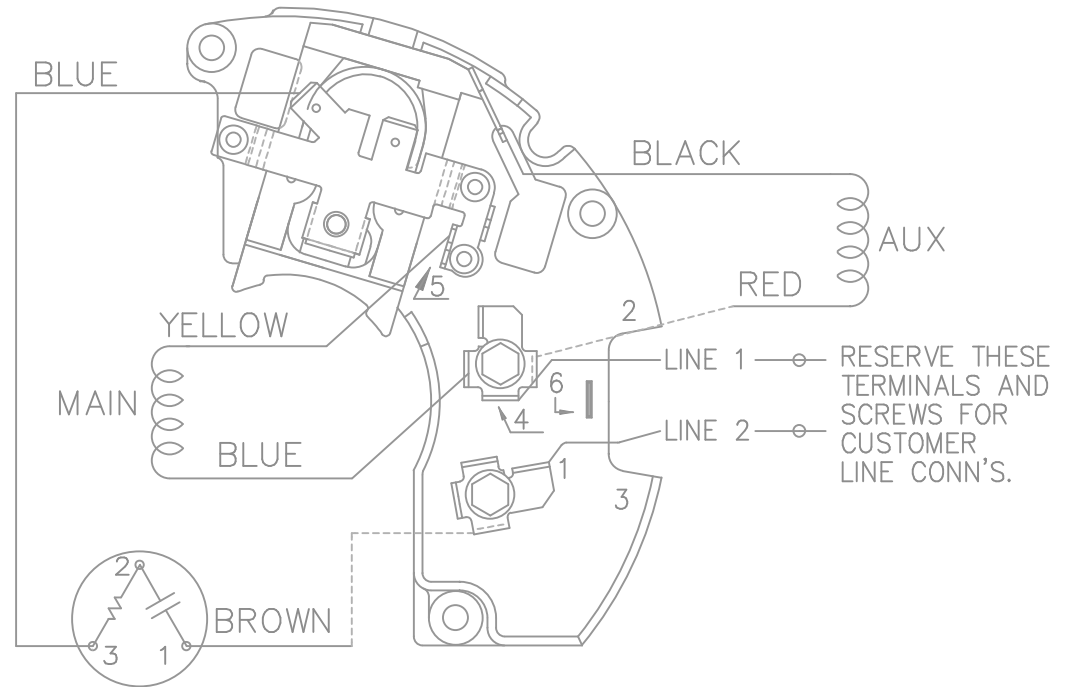
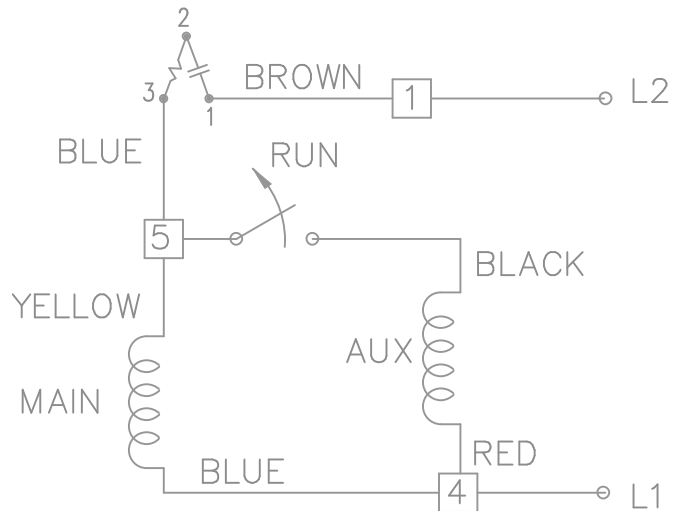
Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115 V
Current	5.0 A	Speed	1725 rpm
Service Factor	1.35	Phase	1
Efficiency	59.5 %	Power Factor	53.5
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	P
Frame	56Z	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22

Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base - Extended Studs
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	9.47 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.97 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS403781- 550	Connection Drawing	A-EE7195

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SINGLE VOLTAGE – SPLIT PHASE
REVERSIBLE ON TERM BOARD
WITH OVERLOAD PROTECTION



VIEWING TERMINAL END

C.C.W. ROTATION SHOWN.

FOR C.W. ROTATION INTERCHANGE
YELLOW & BLUE LEADS ON TERM 5 & 4.

DASH LINES INDICATE LEADS CONNECTED
TO MOTOR SIDE OF SWITCH.

				TOLERANCES UNLESS SPECIFIED			DRAWN ML 01-27-1998	
				DEC.	INCHES		CHK	GK 02-05-1988
5	REDRAWN ON AUTOCAD	RWR 06-15-2004	ML	.X	± -	TITLE CONNECTION DIAGRAM 48 FR. SINGLE VOLTAGE REVERSIBLE MAT'L. FINISH	APPD	DRN 03-11-1988
4	REVERSED L1 AND L2 CN19709	AJS 01-16-1995	GK	.XX	± -		SCALE	1=1
3	REVISED LINE 2 LOCATION CN6427	RM 01-28-1991	GK	.XXX	± -		REF	
2	ADDED CUSTOMER CONNECTION NOTE CN6011	BW 08-03-1989	GK	.XXXX	± -		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	± -		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE ee7195		SIZE	DRAWING NO. PAGE 1 OF 1
				DIST	LB	A	EE7195	REV. 5

CERTIFICATION DATA SHEET

Model#: 56S17D2047 L WINDING#: SE48459 NONE 1
 CONN. DIAGRAM: A-EE7195 ASSEMBLY: F1 ONLY
 OUTLINE: A-SS403781- 550

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1725	56Z	DP	P	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115	5	ACROSS THE LINE	CONTINUOUS	B3	1.35	40	3300

FULL LOAD EFF: 59.5	3/4 LOAD EFF: 56.7	1/2 LOAD EFF: 48.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 53.5	3/4 LOAD PF: 50.6	1/2 LOAD PF: 42.4	0	SPLIT PHASE	3.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.1 LB-FT	26.4	17.3 LB-FT -	27.5 LB-FT -	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	- LB-FT^2	0 LB-FT^2	0 SEC.	0	- LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE- EXTENDED STUDS	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	BEACON 325	SGL SPL EXT	0.500 x 1.88 IN SEKF WITH 1.62 IN FULL FLAT AND 0.62 IN OPTIONAL SLEEVE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

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

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MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

115

Volts

HP 0.25

PHASE 1

Model No 56S17D2047

60

HZ

VOLTS 115

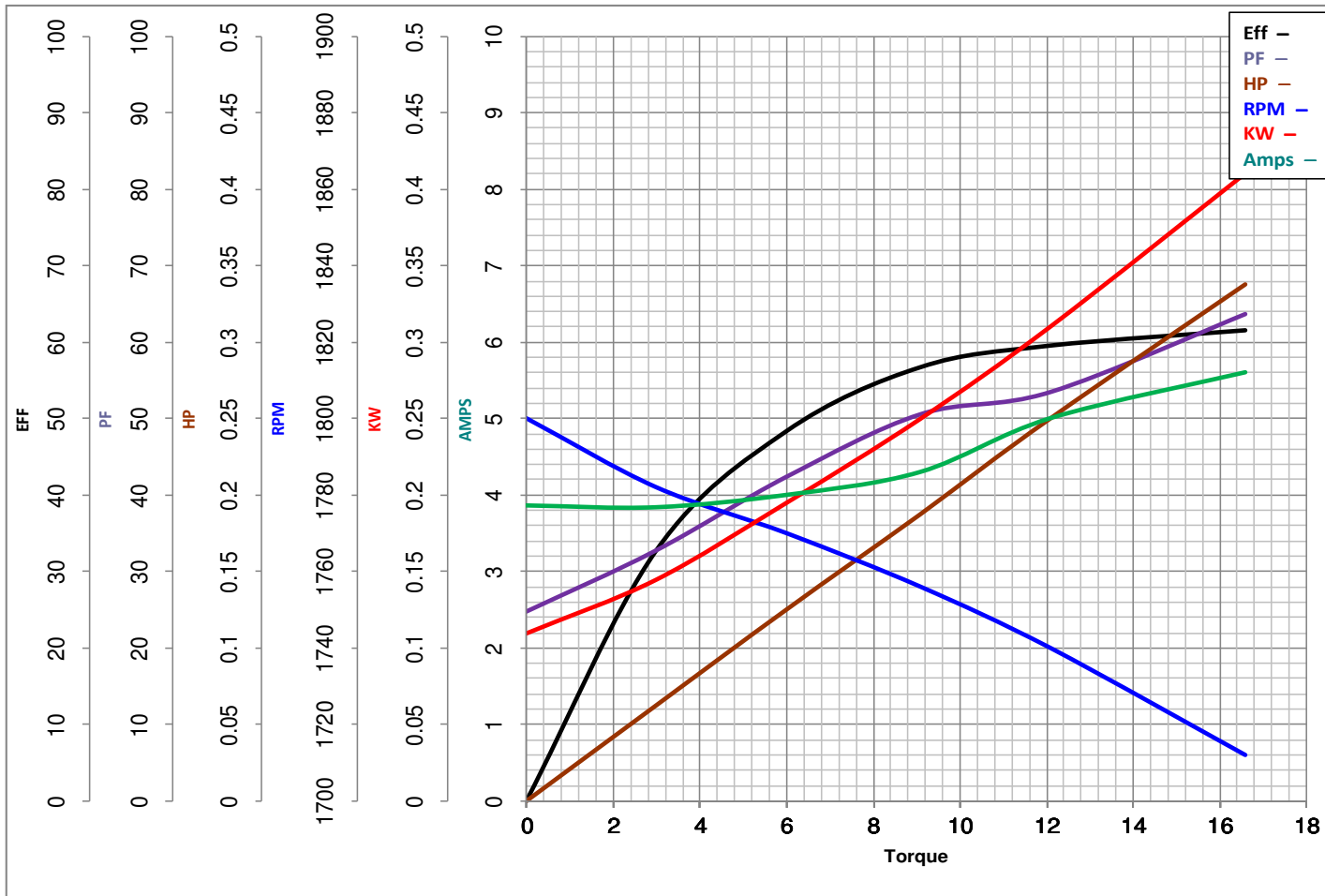
Catalog No B201

0.25

HP

HZ 60

RPM 1725



Torque in Oz.Ft

FL TORQUE 12.1 Oz.Ft
BD TORQUE 27.5 Oz.Ft
LR TORQUE 17.3 Oz.Ft

FL AMPS 5
PU TORQUE 16.7 Oz.Ft
LR AMPS 26.4

WINDING SE48459-1

Date 1/25/2019