

PRODUCT INFORMATION PACKET



Model No: 048C17D2041

Catalog No: B312

Fan and Blower Motor, 0.25 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 48Z Frame, DP



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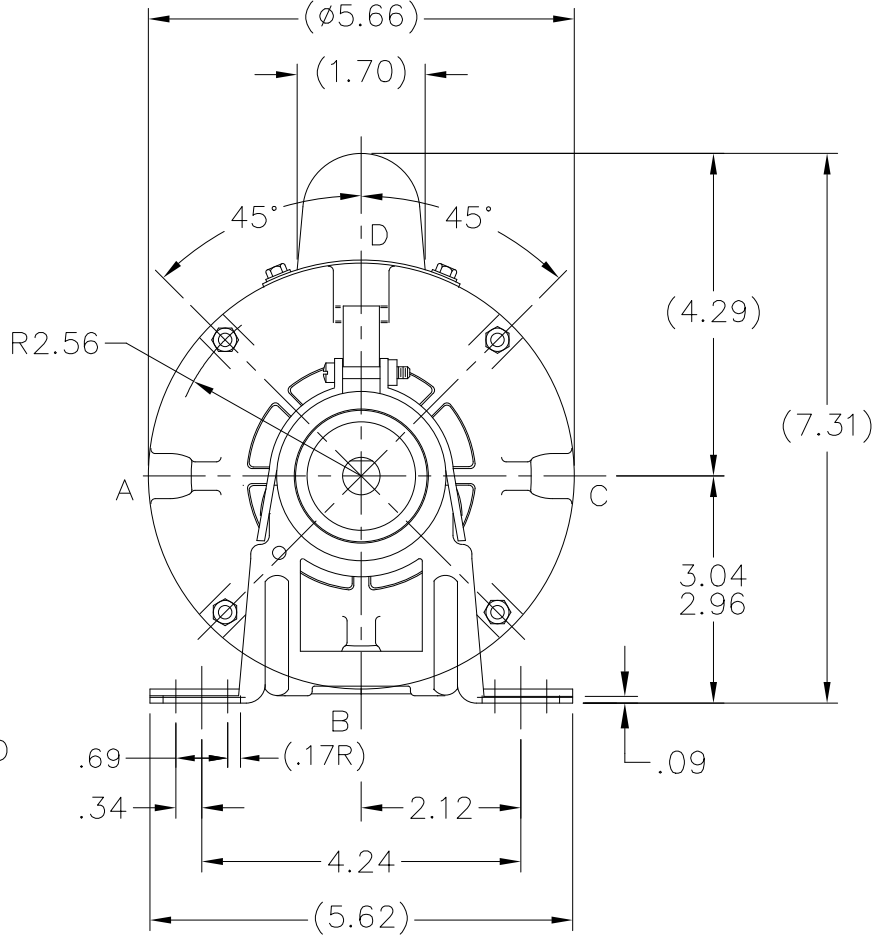
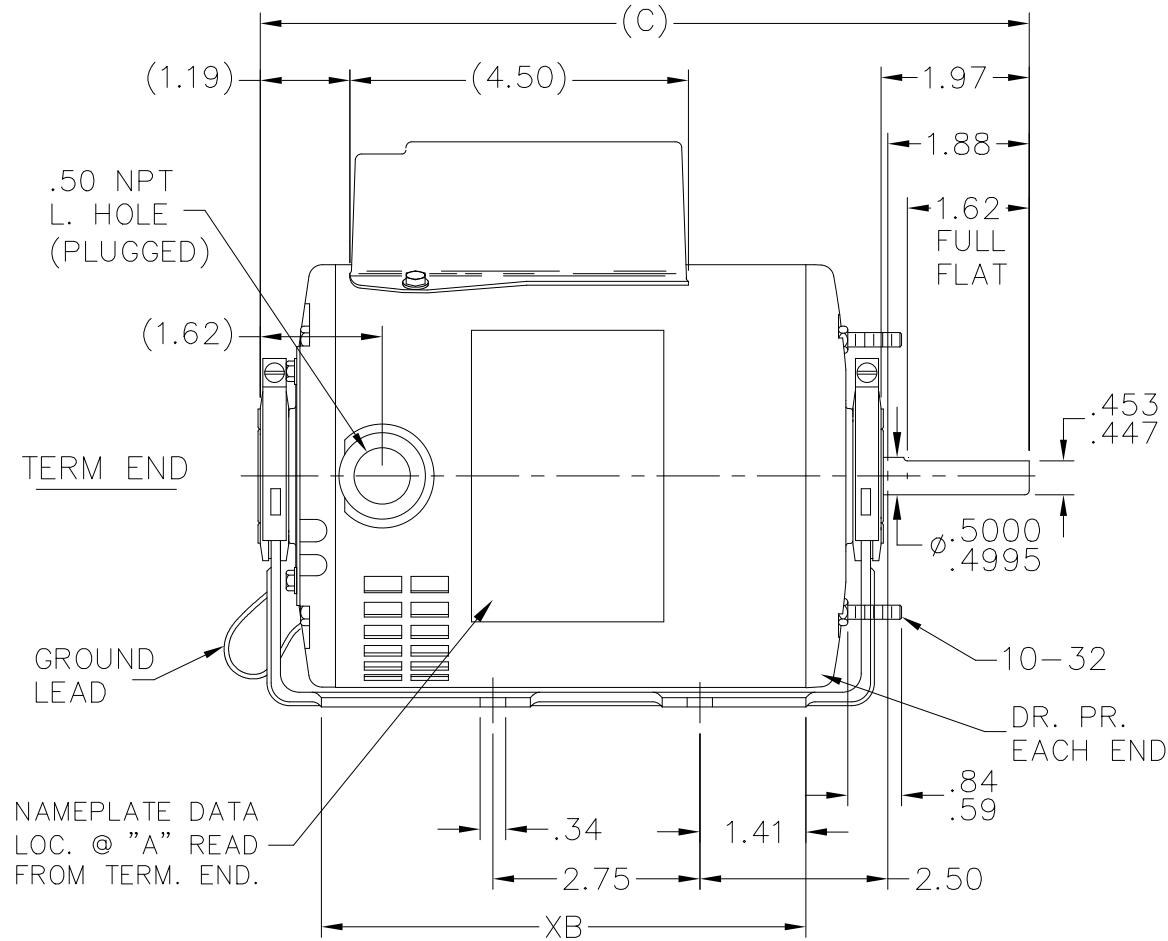


Nameplate Specifications

Phase	1	Output HP	0.25 Hp
Output KW	0.19 kW	Voltage	115/208-230 V
Speed	1725 rpm	Service Factor	1.35
Frame	48Z	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	52.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	6.2/2.8-3.1 A	Power Factor	55
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

Technical Specifications

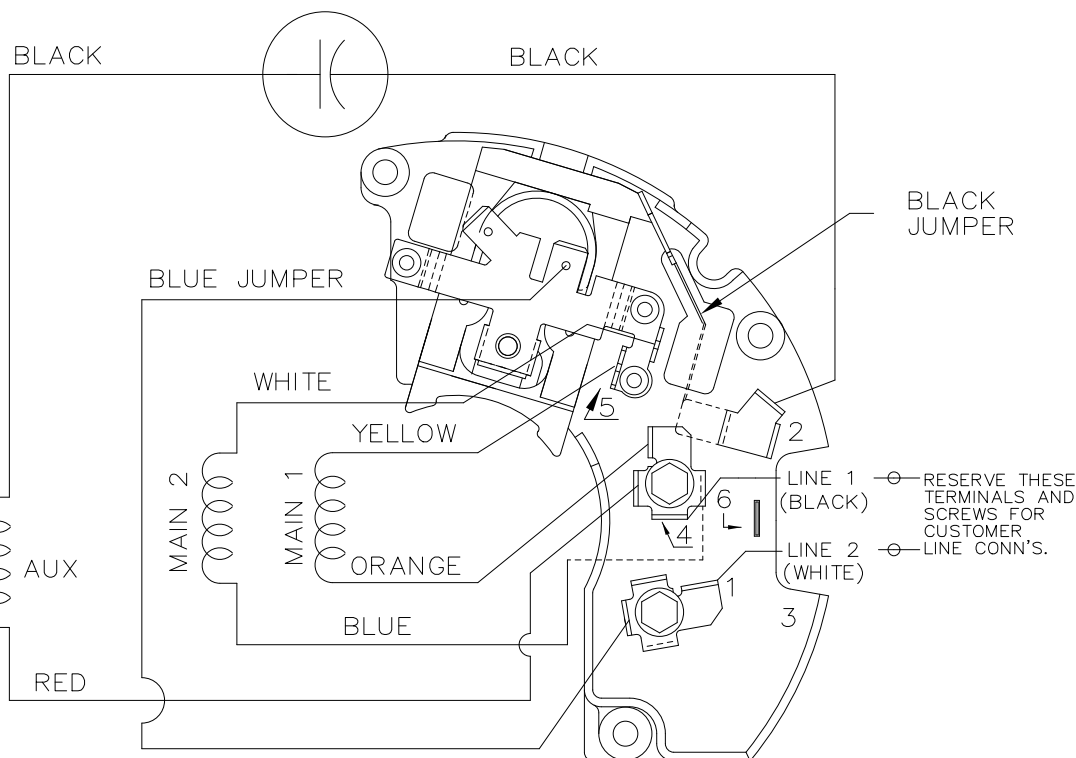
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base - Extended Studs
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	9.72 in
Shaft Diameter	0.500 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	A-EE9002E	Outline Drawing	A-SS79620-575



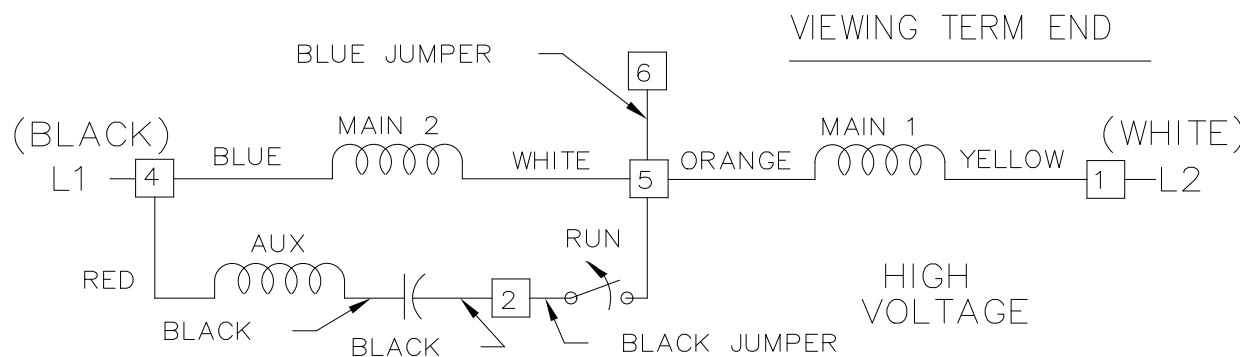
DASH	FR.	C	XB
550	48	9.47	5.69
575	48	9.72	5.94
625	48	10.22	6.44

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
7	CHG FROM MARATHON TO RRX TEMPLATE PER ECR 0233453	MD 5/8/2024	MD	.X	$\pm .1$
6	UPDATED DRAWING	TJW 04/27/2007		.XX	$\pm .03$
5	REDRAWN IN AUTOCAD	TAT 09-01-2004	ML	.XXX	$\pm .005$
4	REDRAWN ON CADD 4031395	DD 05-17-1993		.XXXX	$\pm .0005$
			ANG	$\pm 7'30''$	

 Regal Beloit America, Inc.	DRAWN DD 05-11-1993	
	CHK ML 05-12-1993	
	APPD SAT 05-12-1993	
	SCALE 3=8	
	REF	
TITLE OUTLINE	FMF	
MAT'L.	PREV	
FINISH		



DUAL VOLTAGE CAPACITOR START
REVERSIBLE ON TERM BOARD
NO OVERLOAD PROTECTION



LOW VOLTAGE CCW ROTATION SHOWN

FOR HIGH VOLTAGE:
CONNECT BLUE TERM 1 TO TERM 6,
CONNECT YELLOW TERM 5 TO TERM 1,
CONNECT ORANGE TERM 4 TO TERM 5.

TO REVERSE ROTATION EITHER VOLTAGE
INTERCHANGE RED LEAD WITH BLACK LEAD

DRAWING REVISION 06	REVISION BY KVDG	REV DATE / © DATE 05/06/2025
REQUEST NUMBER ECR-0242555	APPROVED BY JIS	DATE 05/06/2025
REQUEST NUMBER DESCRIPTION UPDATED THE DRAWING TO RRX TEMPLATE.		
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TOLERANCES (EXCEPT AS NOTED):

DEC.	<u>INCH</u>	<u>mm</u>	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.01	[±0.3]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP

EDGES: .003/.015 [.08/.38] X 45

CORNER FILLETS: R.02 [.5]

MACHINED SURFACES:

125

INCH

3.2

mm√

mm DIMENSIONS IN [BRACKETS]

ARE FOR REFERENCE ONLY

DRAWN BY ML		 Regal Beloit America, Inc.	
DATE 02-02-1988			
APPROVED BY DRN		DESCRIPTION CONNECTION DIAGRAM 48 FR. - DUAL VOLTAGE REVERSIBLE	
DATE 02-24-1988			
REFERENCE EE9002E-LE		PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER EE9002E	SHEET 1 OF

CERTIFICATION DATA SHEET

Model#: 48C17D2041 L
 CONN. DIAGRAM: A-EE9002E
 OUTLINE: A-SS79620-575

WINDING#: CE48454 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1725	48Z	DP	L	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	6.2/2.8-3.1	ACROSS THE LINE	CONTINUOUS	B3	1.35	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 47.2	1/2 LOAD EFF: 38.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 48.7	1/2 LOAD PF: 41.1	0	CAP START IND RUN	5.3 / 2.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12 LB-FT	20.4 / 10.2	25.2 LB-FT 210	31.8 LB-FT 265	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	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	MULTEMP SRL	SGL SPL EXT	0.500 x 1.88 WITH 1.62 FULL FLAT	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	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: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 06:18:50 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.



REGAL REXNORD CORPORATION TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

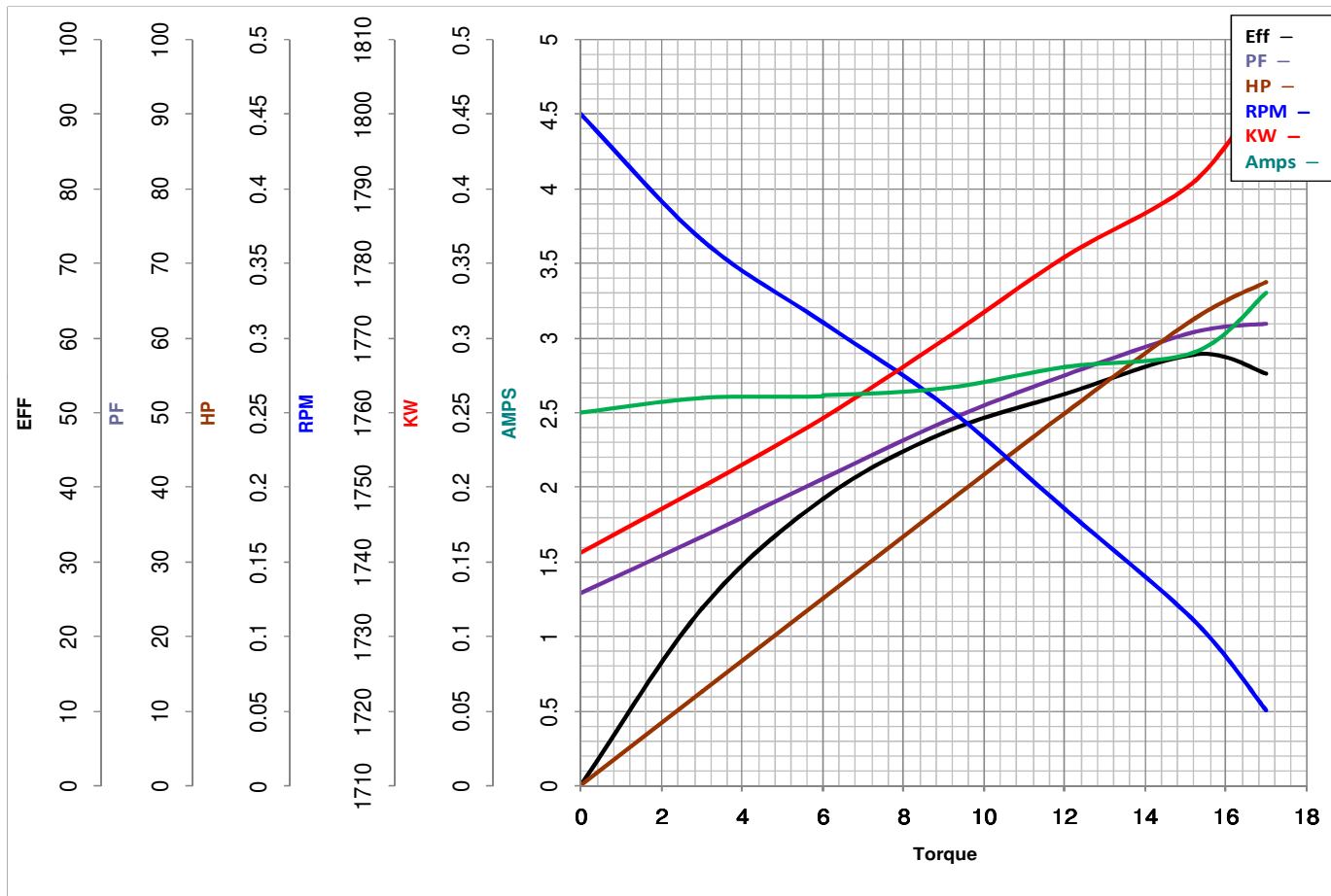
Volts

HP 0.25PHASE 1Model No 48C17D204160

HZ

0.25

HP

VOLTS 115/208-230Catalog No B312HZ 60RPM 1725

Torque in Oz.Ft

FL TORQUE 12 Oz.FtBD TORQUE 31.8 Oz.FtLR TORQUE 25.2 Oz.Ft

WINDING CE48454-3

FL AMPS 6.2/2.8-3.1PU TORQUE 24.6 Oz.FtLR AMPS 10.2Date 1/7/2019