

marathon®
Motors

3 HP Air Compressor Motor, 1 phase, 3600 RPM, 230 V, 56 Frame, ODP
Air Compressor Motors



Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	14 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	79.4 %	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	J	Frame	56
Enclosure	Drip Proof	Thermal Protection	MAN
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Yes	CE	N

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	SM
Poles	2	Rotation	Clockwise
Mounting	Rigid Base	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	12.64 in
Frame Length	8.43 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Outline Drawing	52B206998P2	Connection Drawing	52A109213

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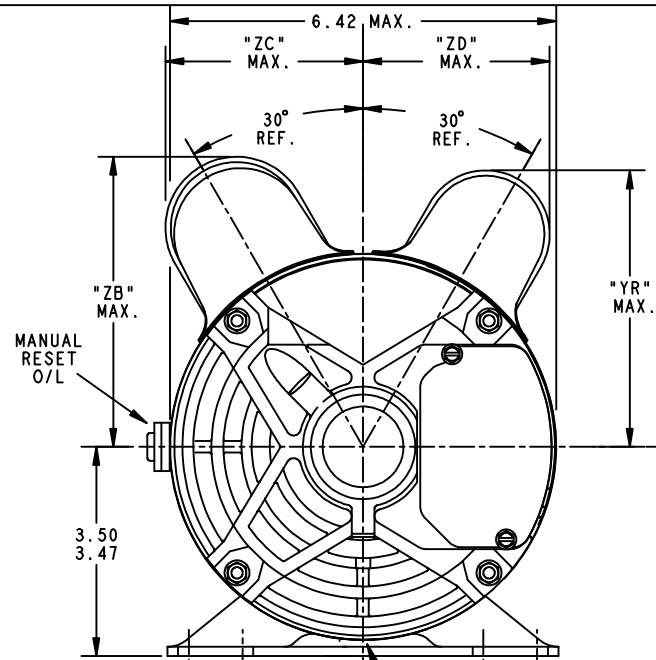
SIZE DRAWING NO.
B

52B206998

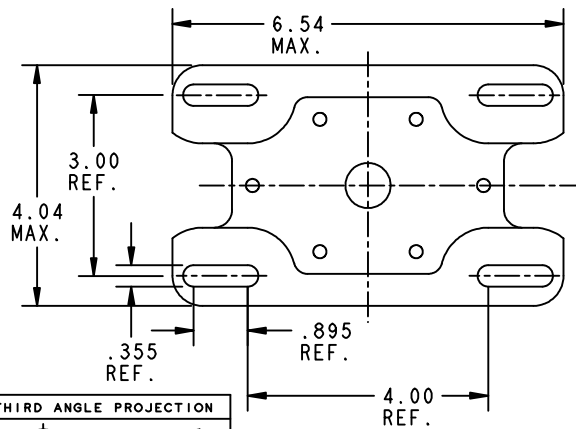
REV
12SHEET
1

REVISIONS

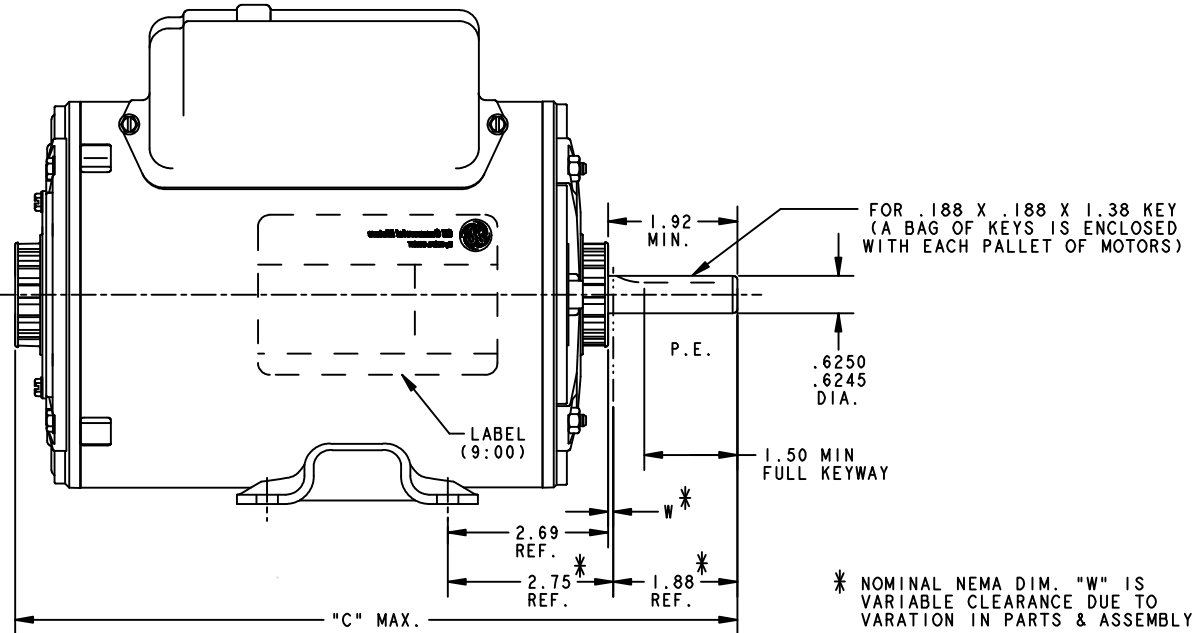
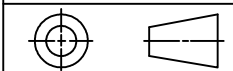
REV.	DESCRIPTION	DATE	APPROVED
11	REVRSO CAP CVRS R1200-270	11/22/00	R.P.C
12	CHG TO RBC FORMAT PER IS05-1777	05/03/06	MADHU



LEAD END

SHELL
WELD
SEAM

THIRD ANGLE PROJECTION

FOR .188 X .188 X 1.38 KEY
(A BAG OF KEYS IS ENCLOSED
WITH EACH PALLET OF MOTORS)

P.E.

.6250
DIA.1.50 MIN
FULL KEYWAY* NOMINAL NEMA DIM. "W" IS
VARIABLE CLEARANCE DUE TO
VARIATION IN PARTS & ASSEMBLY.

NOTES:

1. ENDPLAY .002-.010 (E1-115A321AAP2).
2. MINIMUM CLAMPBOLT TORQUE IS 32 IN.-LBS.

5	KCR	49	7.68	11.89	4.66	4.66	3.17	3.17
4	KCR	48	8.43	12.64	4.66	4.66	3.17	3.17
3	KCR	48	8.43	12.64	4.27	4.66	3.17	2.82
2	KCR	48	8.43	12.64	4.90	4.90	3.38	3.38
1	KCR	49	7.68	11.89	4.27	4.66	3.17	2.82
P	TYPE	GE SIZE	SHELL (MIN.)	"C"	"YR"	"ZB"	"ZC"	"ZD"

SIGNATURES

DATE

MODEL M.W.E 03/04/93

DETAIL . .

CHECKED . .

ENGRG . .

NFG . .

QUALITY . .

ISSUED M.W.PAPE 03/09/99

FOR ADDITIONAL INFO REFER TO:
APPLIED
PRACTICES

DIMENSIONS ARE IN INCHES

MATERIAL .

SOLID MODEL: 52B206998



REGAL-BELOIT CORPORATION

TITLE

OUTLINE

FMF - 40 FRAME 5KCR49SN2021Y

SIZE DRAWING

B

52B206998

REV
12

SCALE: 0.500 REF. No: .

SHEET 1 of 1



52A109213

3

REV

SHEET

SIZE

DRAWING NO.

A

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THIRD ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
3	ADDED THERMOSTAT FOR DS051447	12/12/05	RAJKUMAR

SET ROTATION - SINGLE VOLTAGE - SINGLE SPEED

TYPE KCR - THERMAL PROTECTOR

GREEN (GND.)

(CORD LEAD)

SWITCH (APPL) - 115D958EA

REF. DIAG. - NONE

CONNECTION LABEL - 52X333074AA

FOR ADDITIONAL INFO REFER TO:

APPLIED PRACTICES

DIMENSIONS ARE IN INCHES

TOLERANCE ON:
1 PL DECIMALS ± 0.1
2 PL DECIMALS ± 0.02
3 PL DECIMALS ± 0.005
ANGLES ± 1.0
FRACTIONS ±

FINISH

MATERIAL

SIGNATURES

MODEL

DETAIL

CHECKED

ENGRG

MFG

QUALITY

ISSUED

SOLID MODEL: 52A109213

DATE

07/06/93

07/06/93

07/06/93

07/06/93

07/06/93

07/06/93

REGAL-BELOIT CORPORATION

TITLE

CONNECTION DIAGRAM

FMF - 5KCR49RN2027X

TI93-20485

SIZE

DRAWING

52A109213

SCALE: 1.000

REF. No.

SHEET 1 of 1

REV

3

4 of 4