

PRODUCT INFORMATION PACKET



Model No: 5K46KN4085

Catalog No: 5K46KN4085

Fan and Blower Motor, 0.75 HP, 3 Ph, 60 Hz, 208-230/460 V, 1800 RPM, 56 Frame, DP



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Nameplate Specifications

Phase	3	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	208-230/460 V
Speed	1725 rpm	Service Factor	1.25
Frame	56	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	74 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	3.3-3.0,1.5 A	Power Factor	0
Duty	Continuous	Insulation Class	B
KVA Code	K	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Yes	CE	N
Number of Speeds	1		

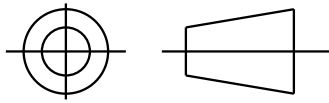
Technical Specifications

Electrical Type	Three Phase	Starting Method	N/R
Poles	4	Rotation	Counterclockwise/Clockwise
Mounting	Resilient Base	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	10.88 in
Frame Length	6.55 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Outline Drawing	52A109511P2	Connection Drawing	113A930FIG2

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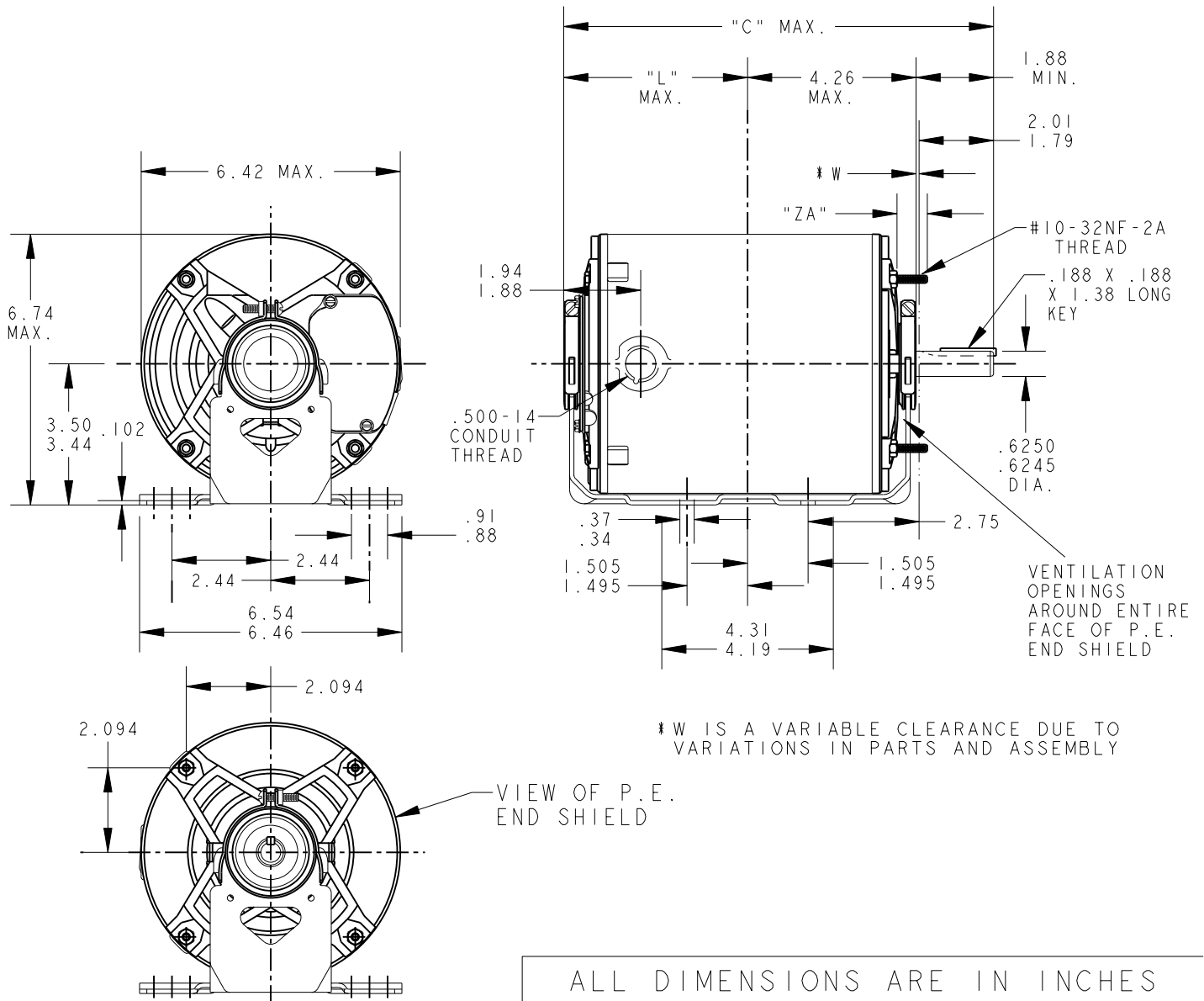
SHEET 1
REV 3
52A109511
SIZE DRAWING NO. A

THIRD ANGLE PROJECTION




REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
2	ADDED PART #4.	07/05/94	M.D.PAPE
3	CHG TO RBC FORMAT PER ISO5-1777	03/16/06	SUDHA



ALL DIMENSIONS ARE IN INCHES

4	KH/K	49	56	12.01	5.75	.62	7.68
3	KH/K	49	56	11.48	5.22	.62	7.15
2	KH/K	46	56	10.88	4.62	.62	6.55
1	KH/K	46	56	10.88	4.62	.62	6.55
P	TYPE	GE SIZE	NEMA FR.	"C"	"L"	"ZA"	MIN. SHELL

SIGNATURES		DATE	 REGAL-BELOIT CORPORATION
MODEL	MA MARKS	03/29/94	
DETAIL	.	.	
CHECKED	.	.	
ENGRG	.	.	
FOR ADDITIONAL INFO REFER TO:			TITLE
APPLIED PRACTICES	QUALITY	.	OUTLINE
DIMENSIONS ARE IN INCHES ✓	ISSUED	M.A.M. 03/29/94	GENERAL PURPOSE MOTOR - DRIP PROOF - BALL BEARING - RESILIENT BASE EXTENDED CLAMP SCREWS FMF - 40 FRAME REDESIGN
MATERIAL	SOLID MODEL: 52A109511		SIZE DRAWING A
			SCALE: 0.250 REF. No: . SHEET 1 of 1

SHEET —
 REV —
 113A930FIG2 2
 SIZE DRAWING NO. A

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REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	CHG TO RBC FORMAT PER ISO5-1777	06/15/06	MADHU
2	RENAMED 113A930_FIG_2 TO 113A930FIG2 PER ISO7-0972	05/08/07	MADHU

THIRD ANGLE PROJECTION

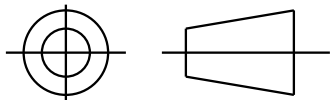
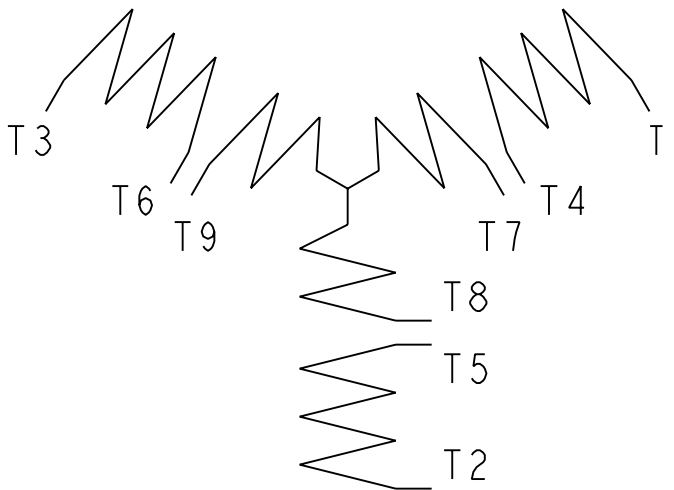


FIG. 2

3 PHASE



	VOLTS	L1	L2	L3	TOGETHER
2Y	LOW	1-7	2-8	3-9	4-5-6
1Y	HIGH	1	2	3	4-7, 5-8, 6-9

BRAKE MOTORS: CONNECT BRAKE LEADS B1 & B2 TO MOTOR LEADS T7 & T8.

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPLIED PRACTICES	MODEL M. D. PAPE	02/25/03
DIMENSIONS ARE IN INCHES	DETAIL	.
TOLERANCE ON:	CHECKED	.
1 PL DECIMALS ± 0.1	ENGRG	.
2 PL DECIMALS ± 0.02	MFG	.
3 PL DECIMALS ± 0.005	QUALITY	.
ANGLES ± 1.0	ISSUED	M. D. PAPE 02/25/03
FRACTIONS ±		
FINISH ✓		
MATERIAL	SOLID MODEL: 113A930FIG2	



REGAL-BELOIT CORPORATION

TITLE CONNECTION DIAGRAM

SIZE DRAWING 113A930FIG2 REV 2

SCALE: 1.000 REF. No: SHEET 1 of 1

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 Volts

HP 0.75&0.5

PHASE 3

Model No 5K46KN4085

60

HZ

VOLTS 208-230/460 & 190/380

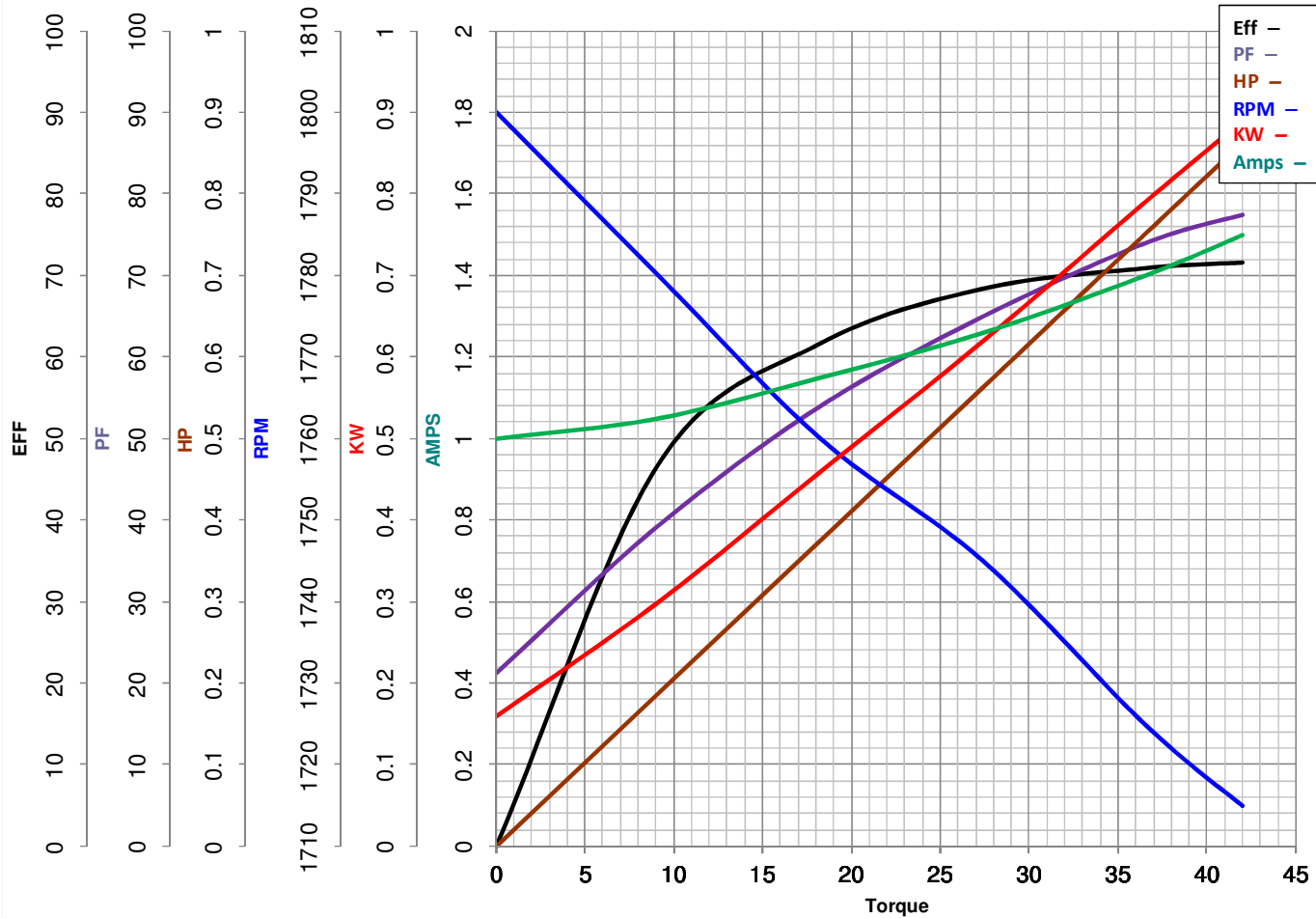
0.75

HP

Catalog No K277

HZ 60&50

RPM 1725 & 1425



Torque in OZ.Ft

FL TORQUE 36.5 OZ.Ft
 BD TORQUE 125.4 OZ.Ft
 LR TORQUE 105 OZ.Ft

FL AMPS 1.5
 PU TORQUE 104.7 OZ.Ft
 LR AMPS 7.45

WINDING 52X330716P1

Prepared By VINAYAK

Date 8/25/2017