

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 5KH35JN121

Catalog No: H217

1/3 HP Single Phase HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 56CZ Frame, ODP  
HVAC/R Single Phase Motors



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**REGAL**



**Nameplate Specifications**

Output HP	<b>0.33 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115 V</b>
Current	<b>6.6 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.35</b>	Phase	<b>1</b>
Efficiency	<b>59.8 %</b>	Power Factor	<b>0</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>-</b>	KVA Code	<b>R</b>
Frame	<b>56CZ</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>N/R</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Yes</b>
CE	<b>N</b>		

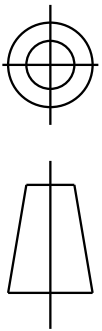
**Technical Specifications**

Electrical Type	<b>Split Phase</b>	Starting Method	<b>SM</b>
Poles	<b>4</b>	Rotation	<b>Counterclockwise/Clockwise</b>
Mounting	<b>Round</b>	Motor Orientation	<b>ANY</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Overall Length	<b>10.25 in</b>
Frame Length	<b>5.79 in</b>	Shaft Diameter	<b>0.630 in</b>
Shaft Extension	<b>2.25 in</b>	Thru-bolts Extension	<b>0 in</b>
Outline Drawing	<b>52A102411P3</b>	Connection Drawing	<b>52A105377AA</b>

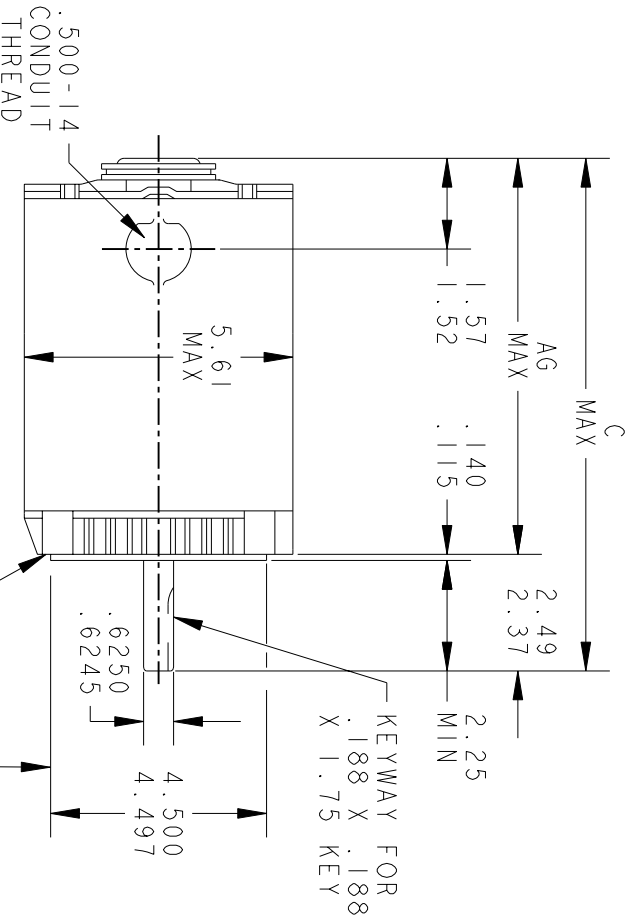
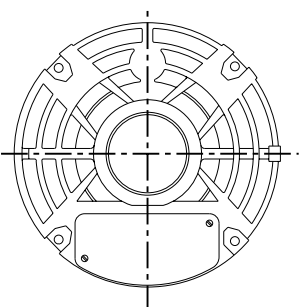
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THIRD ANGLE PROJECTION



VIEW FACING  
LEAD END



FACE RUNOUT (WITH INDICATOR MOUNTED STATIONARY, RELATIVE TO SHAFT) MUST NOT EXCEED .010 TIR

ECCENTRICITY OF THIS SURFACE (WITH INDICATOR MOUNTED STATIONARY RELATIVE TO SHAFT) MUST NOT EXCEED .010 TIR

.375-16 UNC-2B (4 HOLES)  
.82 MIN. FULL THD. THESE HOLES FIT A GAGE HAVING A RABBET 4.5005 DIA. AND 4 PINS .2917 DIA. LOCATED ON THE BASIC HOLE POSITIONS.

5	KH	37	56CZ	11.08	8.61
4	KH	36	56CZ	10.68	8.21
3	KH	35	56CZ	10.25	7.78
2	KH	33	56CZ	9.87	7.40
1	KH	32	56CZ	9.62	7.15

PT	TYPE	GE SIZE	NEMA FR	C	AG	SHELL REF
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FOR ADDITIONAL INFO REFER TO:

APPLIED PRACTICES	MODEL	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES	DETAIL	BCC	09/02/17

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
FRACTIONS ±	MDP

MATERIAL	FINISH	SOLID MODEL: 52A102411
	✓	



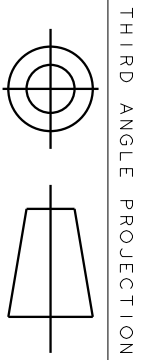
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OUTLINE

FORM "N" MOTOR-DRIP PROOF R2 END MOUNTED  
-SLEEVE & BALL BEARING. FME SKH32DNIII

52A102411 REV 6

SCALE: 1.000	REF. No.:	SHEET 1 of 1
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THIRD ANGLE PROJECTION

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	UPDATED FORMAT	11/10/05	MAM

EITHER ROTATION - SINGLE VOLTAGE  
TYPE KC, OR KH



NOTE #1 - TO REVERSE ROTATION INTERCHANGE BLACK (T5-KH OR J9-KC) AND RED (T8) LEADS.

NOTE #2 - WHEN MORE THAN ONE CAPACITOR IS USED CONNECT IN PARALLEL.

REF. DIAG. - 121A850		SWITCH (C) - 115D958AB	
CONNECTION LABEL - 52X332047			
<b>REGAL-BELOVT CORPORATION</b>			
<b>CONNECTION DIAGRAM</b>			
<b>FME: 30 FRAME SWITCH REDESIGN</b>			
M.F.G			
CHECKED			
ENGRG			
QUALITY			
ISSUED		M.D.P. 06/29/87	
APPLIED PRACTICES		M.D.P.	
DIMENSIONS ARE IN INCHES		SCALE: 1.000 REF. No:	
MATERIAL		SOLID MODEL: 52A105377AA	