

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 5K35MN75

Catalog No: K321

1/4 HP General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, 56 Frame, TEFC
Three Phase TEFC Motors



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REGAL



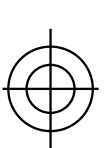
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.4,0.7 A	Speed	1140 rpm
Service Factor	1.35	Phase	3
Efficiency	64 %	Power Factor	0
Duty	Continuous	Insulation Class	A
Design Code	B	KVA Code	K
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	N/R	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Yes
CE	N		

Technical Specifications

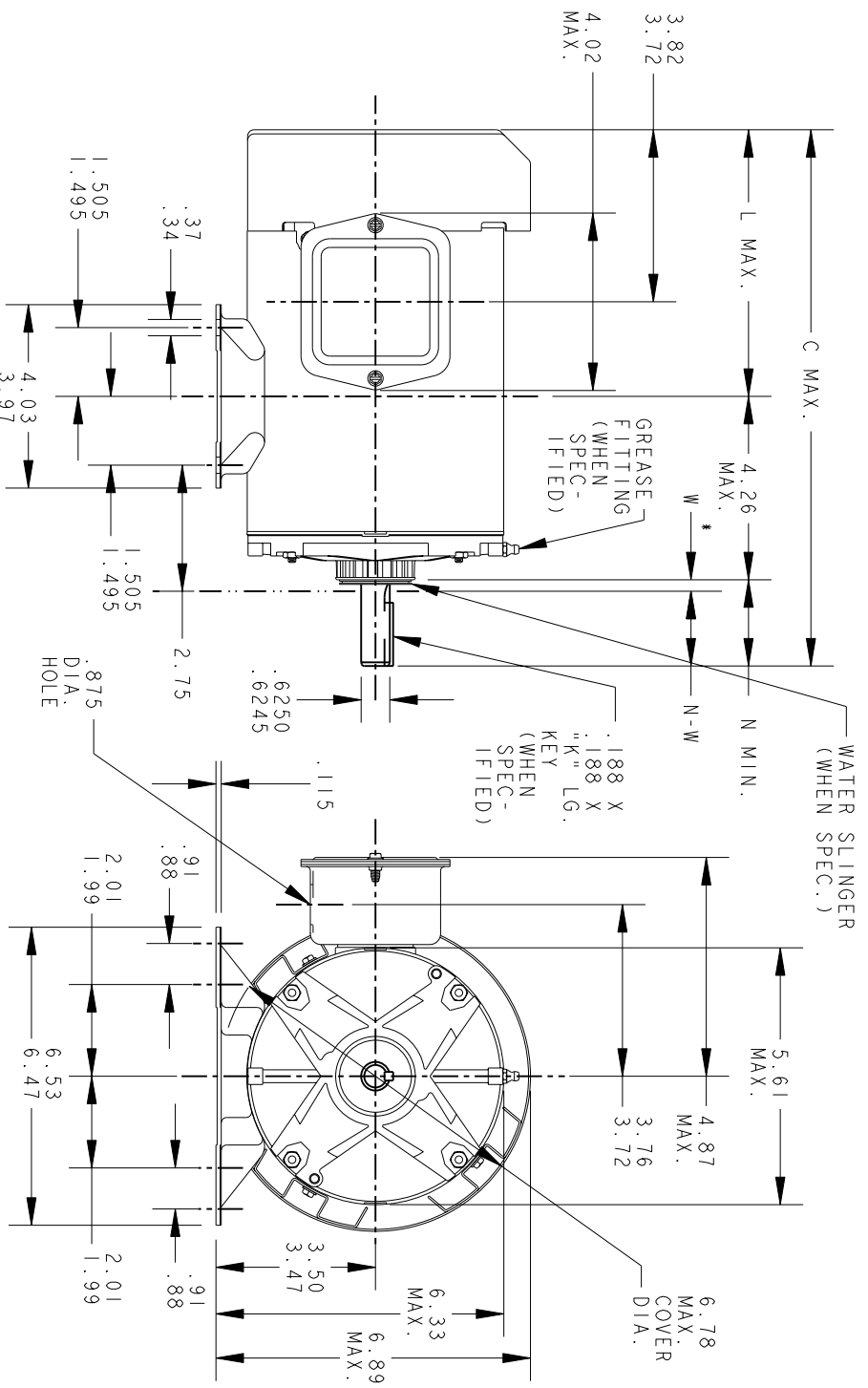
Electrical Type	Three Phase	Starting Method	N/R
Poles	6	Rotation	Counterclockwise/Clockwise
Mounting	Rigid Base	Motor Orientation	ANY
Drive End Bearing	BALL	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Overall Length	10.93 in
Frame Length	5.79 in	Shaft Diameter	0.630 in
Shaft Extension	1.88 in		
Connection Drawing	113A930FIG2	Outline Drawing	52A102069P3

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THIRD ANGLE PROJECTION

REVISIONS		REVISED	
REV.	DESCRIPTION	DATE	APPROVED
7	REVISED & REDRAWN	11/09/90	B. L. J
8	REVISED BASE SLOT LOCATION	03/07/91	B. L. J
9	CHG MADE AS PER ISO5-3080	12/06/05	GOVARDAN



* IS A CLEARANCE DUE TO VARIATION IN PARTS AND ASSEMBLY

P	TYPE	GE SIZE	NEMA FR.	C	K	L	N	N-W	SHELL LGTH.	P	TYPE	GE SIZE	NEMA FR.	C	K	L	N	N-W	SHELL LGTH.
5	K KH	37	56	11.76	1.38	5.58	1.88	2.01/1.79											
4	K KH	36	56	11.36	1.38	5.18	1.88	2.01/1.79	9	K KH	39	56Z	10.05	1.38	3.87	1.88	2.01/1.79	4.91	
3	K KH	35	56	10.93	1.38	4.75	1.88	2.01/1.79	8	K KH	38	56Z	16.23	1.38	6.18	5.75	5.88/5.66		
2	K KH	33	56	10.55	1.38	4.37	1.88	2.01/1.79	7	K KH	39	56	12.89	1.38	6.71	1.88	2.01/1.79	7.75	
1	K KH	32	56	10.30	1.38	4.12	1.88	2.01/1.79	6	K KH	38	56	12.36	1.38	6.18	1.88	2.01/1.79		

SIGNATURES		DATE
MODEL	F. P. K	25/01/77
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED	B. L. J	03/07/91



REGAL-BELOTT CORPORATION

TITLE
OUTLINE

GENERAL PURPOSE MOTOR - FORM N - TOTALLY ENCLOSED
OUTBOARD FAN - WELDED BASE - BALL OR SLEEVE BEARING

SIZE DRAWING
A

SCALE: 1.000 REF. No.: SHEET 1 of 1

FOR ADDITIONAL INFO REFER TO:
APPLIED PRACTICES
DIMENSIONS ARE IN INCHES
MATERIAL

REV.	DESCRIPTION	DATE	APPROVED
1	CHG TO RBC FORMAT PER IS05-1777	06/15/06	MADHU
2	RENAMED 113A930_FIG-2 TO 113A930FIG2 PER IS07-0972	05/08/07	MADHU

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THIRD ANGLE PROJECTION

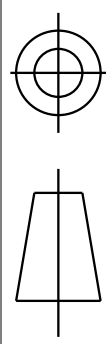
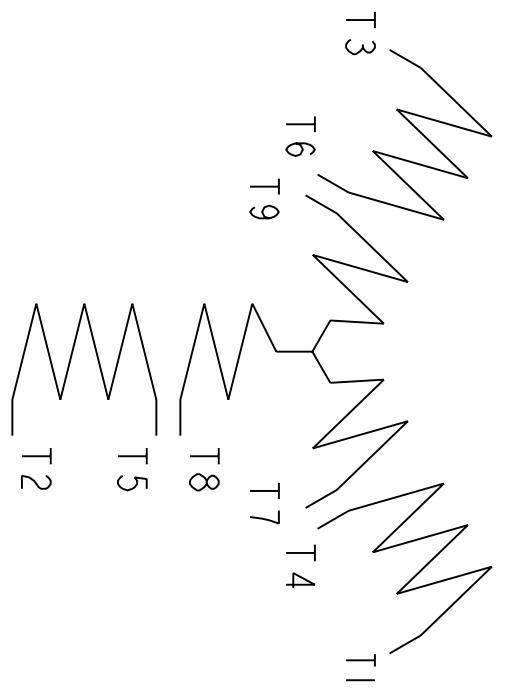


FIG. 2

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		02/23/03
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	QUALITY			
ISSUED	M.D. PAPE			02/23/03
MATERIAL	SOLID MODEL: 113A930FIG2			



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CONNECTION DIAGRAM

TITLE	SIZE	DRAWING	REV
	A		2
SCALE: 1.000	REF. No:		
		113A930FIG2	
			SHEET 1 of 1