

marathon®
Motors

1 HP General Purpose, 3 phase, 3600 RPM, 575 V, 80 Frame, TEFC
Aluminium TEFC Motors

**REGAL**

Nameplate Specifications

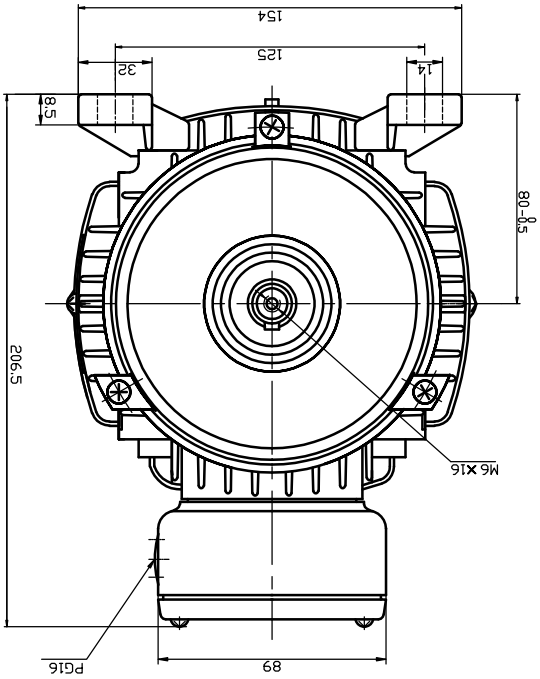
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	575 V
Current	1.2 A	Speed	3420 rpm
Service Factor	1.15	Phase	3
Efficiency	77 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Frame	80	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6204	Opp Drive End Bearing Size	6204
UL	Recognized	CSA	Y
CE	Y	IP Code	55

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	IEC	Overall Length	11.10 in
Frame Length	6.10 in	Shaft Diameter	0.750 in
Shaft Extension	1.57 in	Assembly/Box Mounting	F3
Connection Drawing	00546801ME	Outline Drawing	039071-R412A

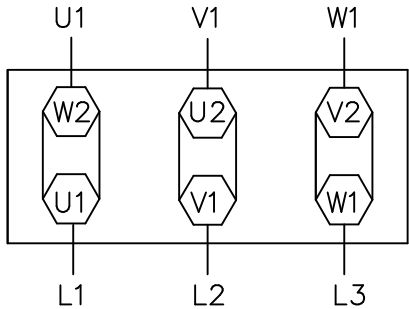
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Technical drawing of a shaft-hub assembly. The shaft has a diameter of 19 ± 0.004 mm. The hub has an inner diameter of 19 ± 0.004 mm and an outer diameter of 21.5 ± 0.175 mm. The hub has a thickness of 6 ± 0.03 mm. The shaft has a length of 15.5 ± 0.10 mm. The assembly is shown in a cross-sectional view.

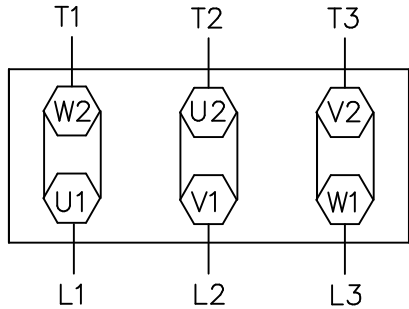


TOLERANCES UNLESS OTHERWISE SPECIFIED		DEC.	INCHES	METRIC	X ±.1 XX ±.03 XXX ±.005 XXXX ±.0005		APPR. DRAWN BY 16/12/01	OUTLINE MAT'L		REF. SCALE	FINISH SMC	REV.	DRAWING NO	0390701
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT														
REVISION BY & DATE CHG'D.														
ANGLES ±1/2° F.M.F.														

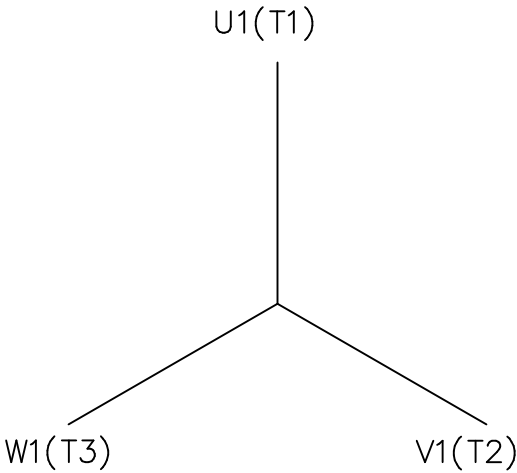
IEC MARKINGS




NEMA MARKINGS



TO REVERSE ROTATION
INTERCHANGE ANY TWO
LINE LEADS



				TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN JGO 3/10/04			
				DEC.	INCHES		CHK			
				.X	±.1		APPD			
				.XX	±.01		TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROT W/TERM. BLOCK	SCALE 3=4		
				.XXX	±.005			REF		
				.XXXX	±.0005	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE 00546801ME		SIZE	DRAWING NO.		REV.
			DIST				A	005468–01ME		

CERTIFICATION DATA SHEET

Model#: 80T34FH15305 A **WINDING#:** QT8029 FR 4
CONN. DIAGRAM: 00546801ME **ASSEMBLY:** F3
OUTLINE: 039071

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	3600	3420	D80	TEFC	G	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	1.2	ACROSS THE LINE	CONTINUOUS	F5	1.15	40	3300

FULL LOAD EFF: 77	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: -	1/2 LOAD PF: -	0	SQ CAGE IND RUN	-

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
- LB-FT	7.1	6.3 LB-FT 420	6 LB-FT 400	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.024 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	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	ALUMINUM
BALL	BALL						
6204	6204						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

If Inverter equals NONE, contact factory for further information

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

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 FORM 3531 REV.3 02/07/99
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