# PRODUCT INFORMATION PACKET

marathon®

Model No: 056T17V99002 Catalog No: N375 3/4,1800,TENV.56C,3/60/208-230/460V Washdown Duty



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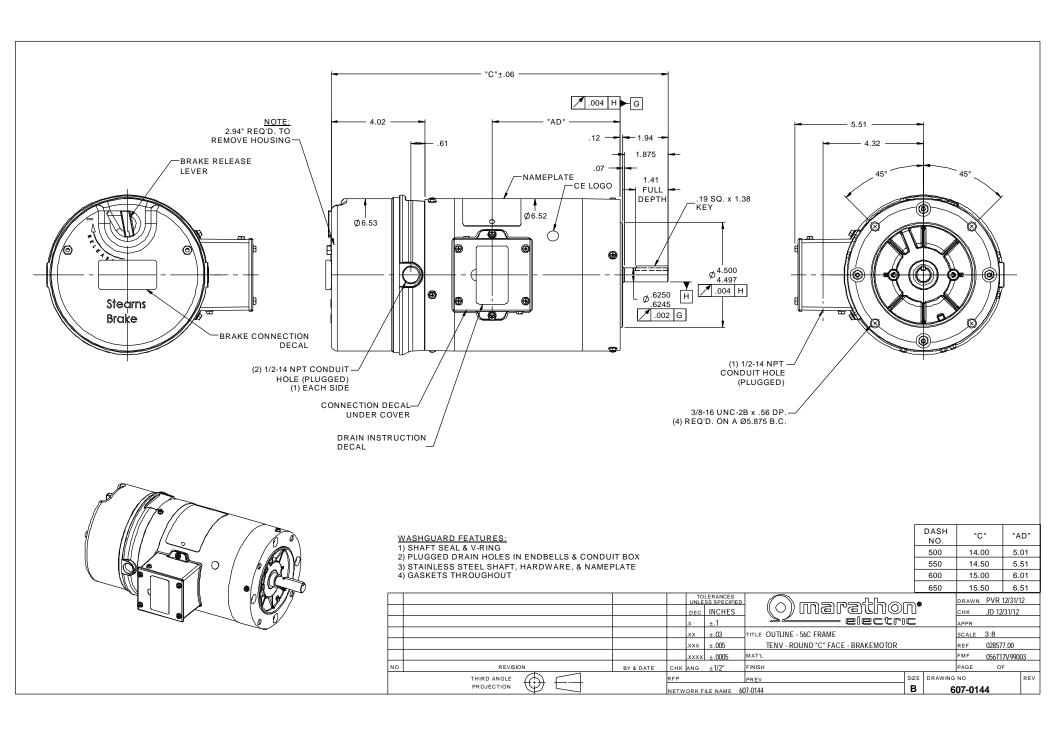
### **Nameplate Specifications**

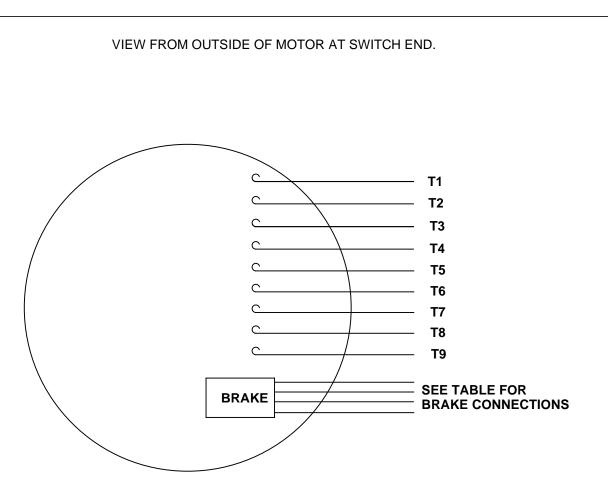
Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.7-2.5/1.3 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	Continous
Insulation Class	F	Design Code	В
KVA Code	L	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Υ	CE	Υ
IP Code	55		

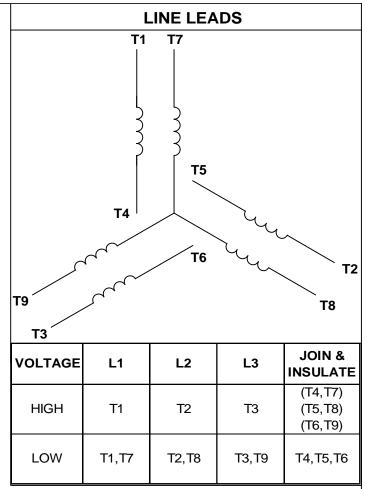
## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	15 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.94 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	607-0144-600	Connection Diagram	005010.15ME

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BRAKE CONNECTION										
VOLTAGE	ST	ERNS BRA	KE	DINGS BRAKE						
VOLTAGE	L1	L2	Join	L1	L2	Join				
HIGH	1(RED) 2(REI	2(RED)	S(BLACK)	2/DL ACK)	4(YELLOW)	1(YELLOW)				
TilGIT	I(KLD)	Z(NLD)	4(BLACK)	Z(BLACK)	4(1222000)	3(BLACK)				
LOW	1(RED)	2(RED)	ED) 2(BLACI		1(YELLOW)					
LOW	3(BLACK)	4(BLACK		3(BLACK)	4(YELLOW)					

				UNLES	ERANCES S SPECIFIED			DRAWN MDN 03/2	<u>2</u> 6/03
			.:		INCHES ±.1		CHK APPR		
				XX	±.01	TITLE EXTERNAL WIRING DIAGRAM	L WIRING DIAGRAM		
				XXX	±.005	3 PHASE W/O PROTECTOR		REF	
	REDRAWN IN SOLIDWORKS	VJB 02/08/11		xxxx	±.0005	MAT'L MTR DECAL - 004014 BRAKE DECAL - 080034	34	FMF	
NO	REVISION	BY & DATE	CHK A	ANG	±1/2°	FINISH		PAGE OF	
	THIRD ANGLE PROJECTION		RFP			PREV	ZE DRAWING	S NO	REV
	PROJECTION					O501015ME A	A 005	5010-15ME	

#### **CERTIFICATION DATA SHEET**

 Model#:
 56T17V99002 A
 WINDING#:
 T634245 NR 3

 CONN. DIAGRAM:
 005010.15ME
 ASSEMBLY:
 F1 ONLY

OUTLINE: 607-0144-600

#### TYPICAL MOTOR PERFORMANCE DATA

HP	кw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&1/2	.56&.37	1800	1725&1425	56C	TENV	L	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208-	2.7-	ACROSS THE	CONTINUOU	F4	1.15/1.0	40	3300
		230/460#190/	2.5/1.25&2.2/1	LINE	S				
		380	.1						

FULL LOAD EFF: 80&80	3/4 LOAD EFF: 74.8	1/2 LOAD EFF: 70	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70&65.6	3/4 LOAD PF: 65.5	1/2 LOAD PF: 54.4	0	SQ CAGE IND RUN	1.6 / .8

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		B.D. TORQUE	F.L. RISE°C	
27 LB-FT	16.8 / 8.4	80 LB-FT 296	106 LB-FT 393	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	0.09 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
C-FACE	BRAKE	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS	ROLLED STEEL
6205	6203					(C-501)	

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

If Inverter equals NONE, contact factory for further

INVERTER TORQUE: NONE

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
STEARNS P/N 4225.8

56,000 NEMA 4 6 FT-LB 230/460-190/380 V 60/50 Hz

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FORM 3531 REV.3 02/07/99

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