

# PRODUCT INFORMATION PACKET

Model No: 056B17V5302  
Catalog No: N273  
1,1800,TENV,56C,1/60/115/208-230  
Washdown Duty



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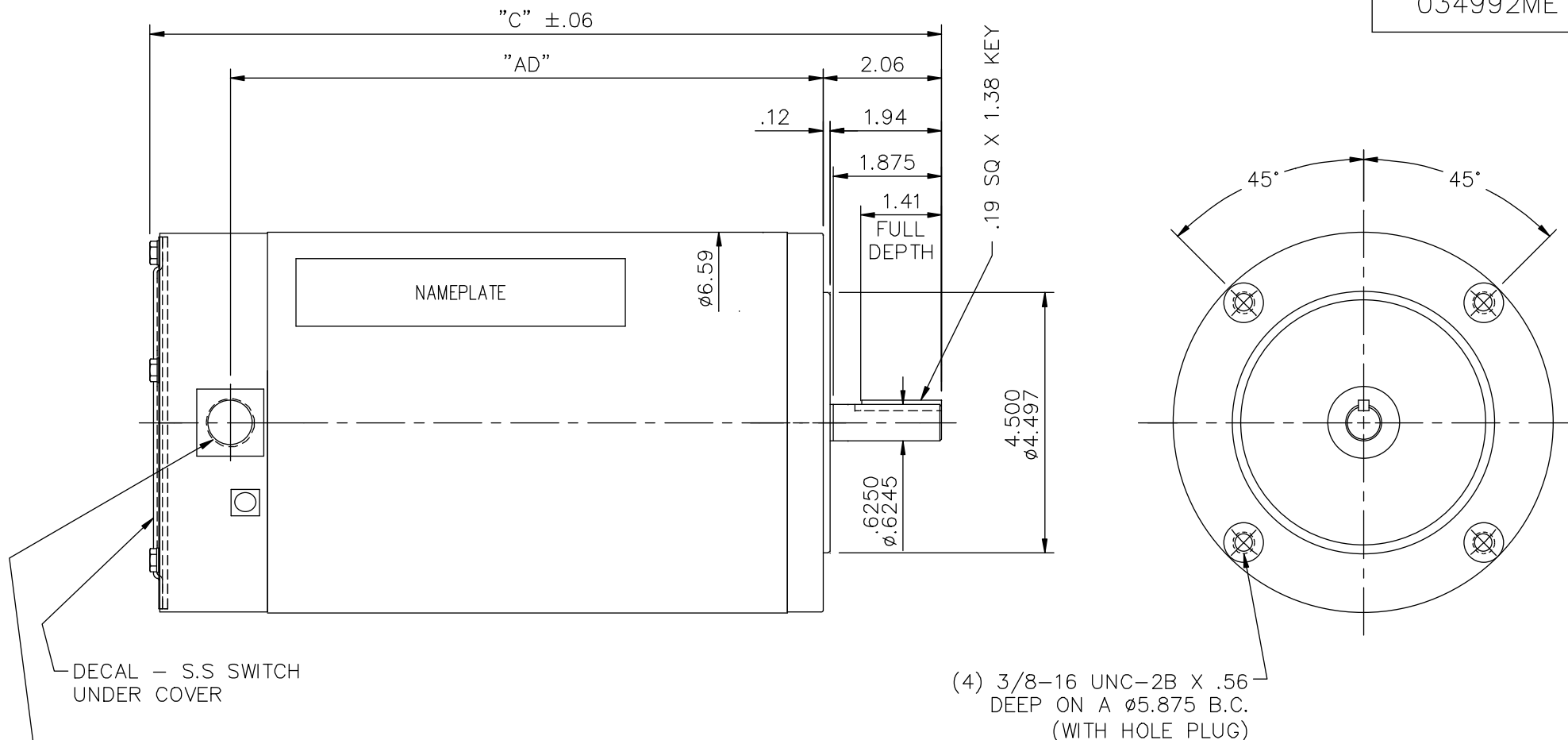


### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>9.0/5.0-4.5 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>82.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>N</b>
KVA Code	<b>K</b>	Frame	<b>56C</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>55</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Mounting	<b>Round</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Stainless Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>13.7 in</b>	Frame Length	<b>9.00 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>2.06 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>034992ME-900</b>	Connection Diagram	<b>005259.03ME</b>



SPECIAL FEATURES:

- VITON CONDUIT BOX & COVER GASKETS
- VITON O-RINGS IN ENDBELL RABBETS
- VITON SHAFT SEAL
- BREATHER PLUGS IN L.E. ENDBELL (B.I.C.B.)
- ALL STAINLESS STEEL CONSTRUCTION

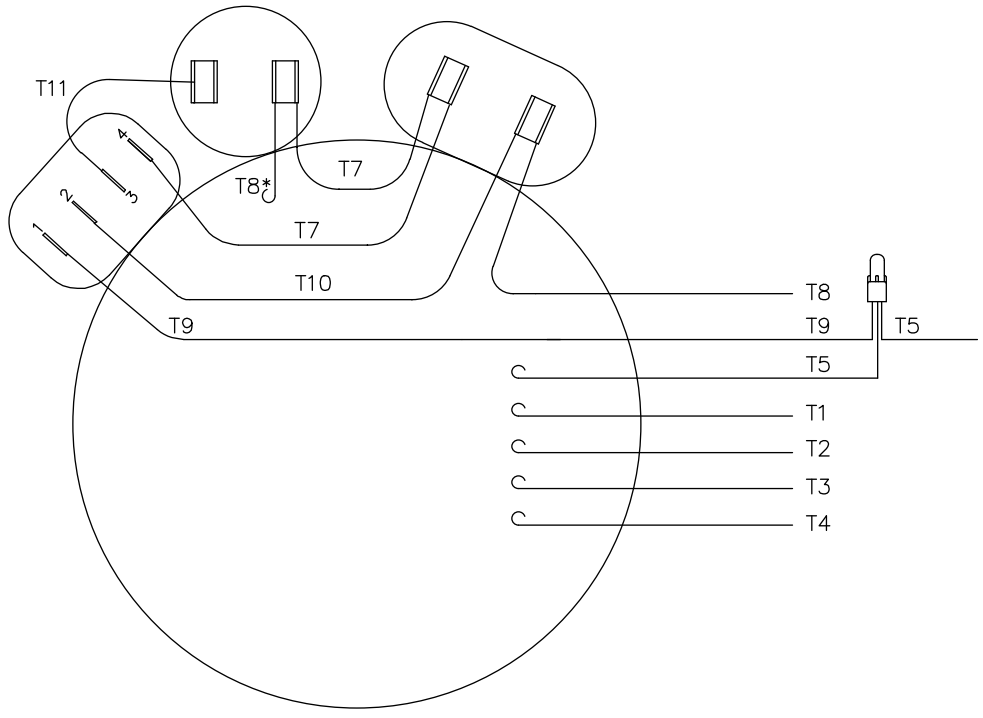
DASH NO.	"C"	"AD"
700	11.70	8.25
750	12.20	8.75
800	12.70	9.25
850	13.20	9.75
900	13.70	10.25

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

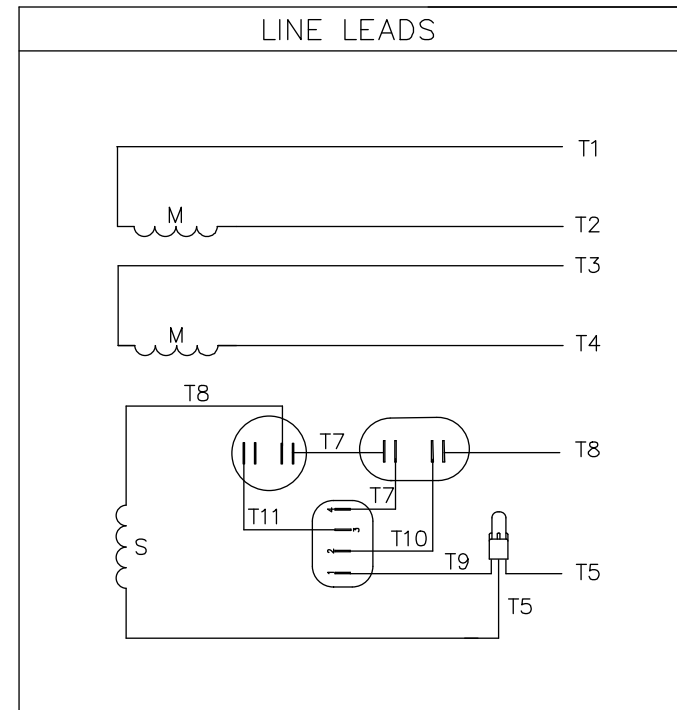
		TOLERANCES UNLESS SPECIFIED		DRAWN PVR 10/07/13	
		DEC.	INCHES	CHK GRB 10/07/13	
		.X	±.1	APPD	
		.XX	±.03	SCALE 3=8	
		.XXX	±.005	REF 034992	
		.XXXX	±.0005	FMF 056C17V5304	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'
			RFP	CAD FILE	034992ME
			DIST	SIZE	A
			DRAWING NO.		034992ME
			REV.		

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\*THIS LEAD MAY BE WHITE



	ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
HIGH VOLT	C.C.W.	T1	T4, T5	T2, T3 T8
	C.W.	T1	T4, T8	T2, T3 T5
LOW VOLT	C.C.W.	T1, T3 T8	T2, T4 T5	
	C.W.	T1, T3 T5	T2, T4 T8	

		TOLERANCES UNLESS SPECIFIED				DRAWN PVR 10/22/13		
		DEC.	INCHES			CHK	JD 10/22/13	
		.X	±.1			APPD		
		.XX	±.01			SCALE 1=1		
		.XXX	±.005			REF 005259-03		
		.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		00525903ME	SIZE	DRAWING NO.	REV.
		DIST				A	005259-03ME	

CERTIFICATION DATA SHEET

Model#: 56B17V5302 A WINDING#: K634306 NR 3  
 CONN. DIAGRAM: 005259.03ME ASSEMBLY: F1 ONLY  
 OUTLINE: 034992ME-900

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	.75	1800	1725	56C	TENV	K	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	9/5-4.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 78.8	1/2 LOAD EFF: 75	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88	3/4 LOAD PF: 84.9	1/2 LOAD PF: 78.7	0	CAP START CAP RUN	3.4 / 1.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	/	- LB-FT -	8 LB-FT 267	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.14 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

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

THERMO-PROTECTORS				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 information

\*  
N  
O  
T  
E  
S  
\*

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

DATE: 06/27/2017 06:11:58 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 1

PHASE 1

Model No 56B17V5302

60

HZ

VOLTS 115/208-230

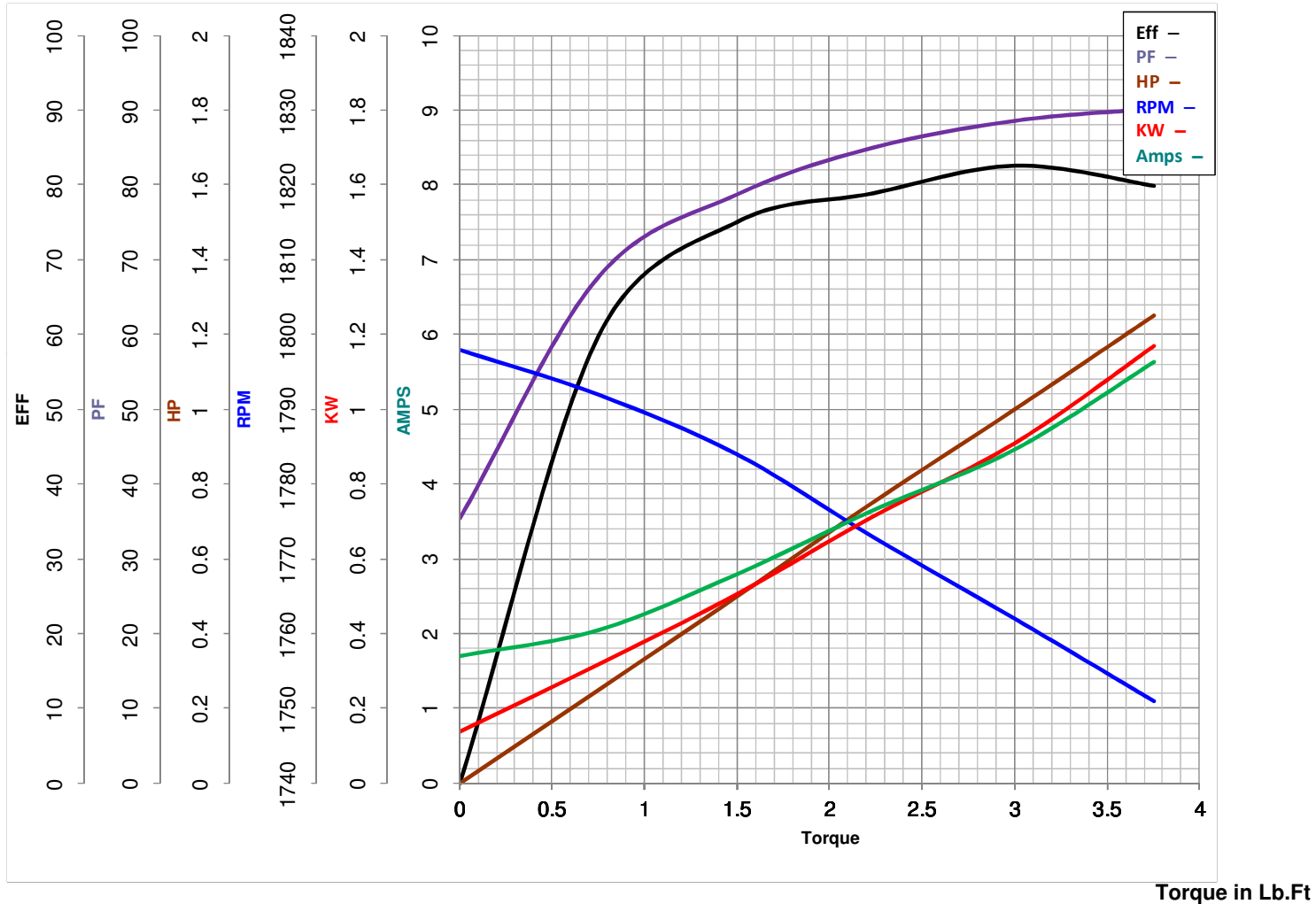
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HP

Catalog No N273

HZ 60

RPM 1725



Torque in Lb.Ft

FL TORQUE 3 Lb.Ft  
 BD TORQUE 8.0 Lb.Ft  
 LR TORQUE 8.2 Lb.Ft

FL AMPS 9/5-4.5  
 PU TORQUE 7.5 Lb.Ft  
 LR AMPS 35

WINDING K634306-3 Prepared By BHARGAVI

Date 10/18/2017