

# PRODUCT INFORMATION PACKET

Model No: 056B17F5305  
Catalog No: G574  
1-1/2, 1725, TEFC, 56HC, 1/60/115/208-230  
Totally Enclosed Fan Cooled (TEFC)



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### Nameplate Specifications

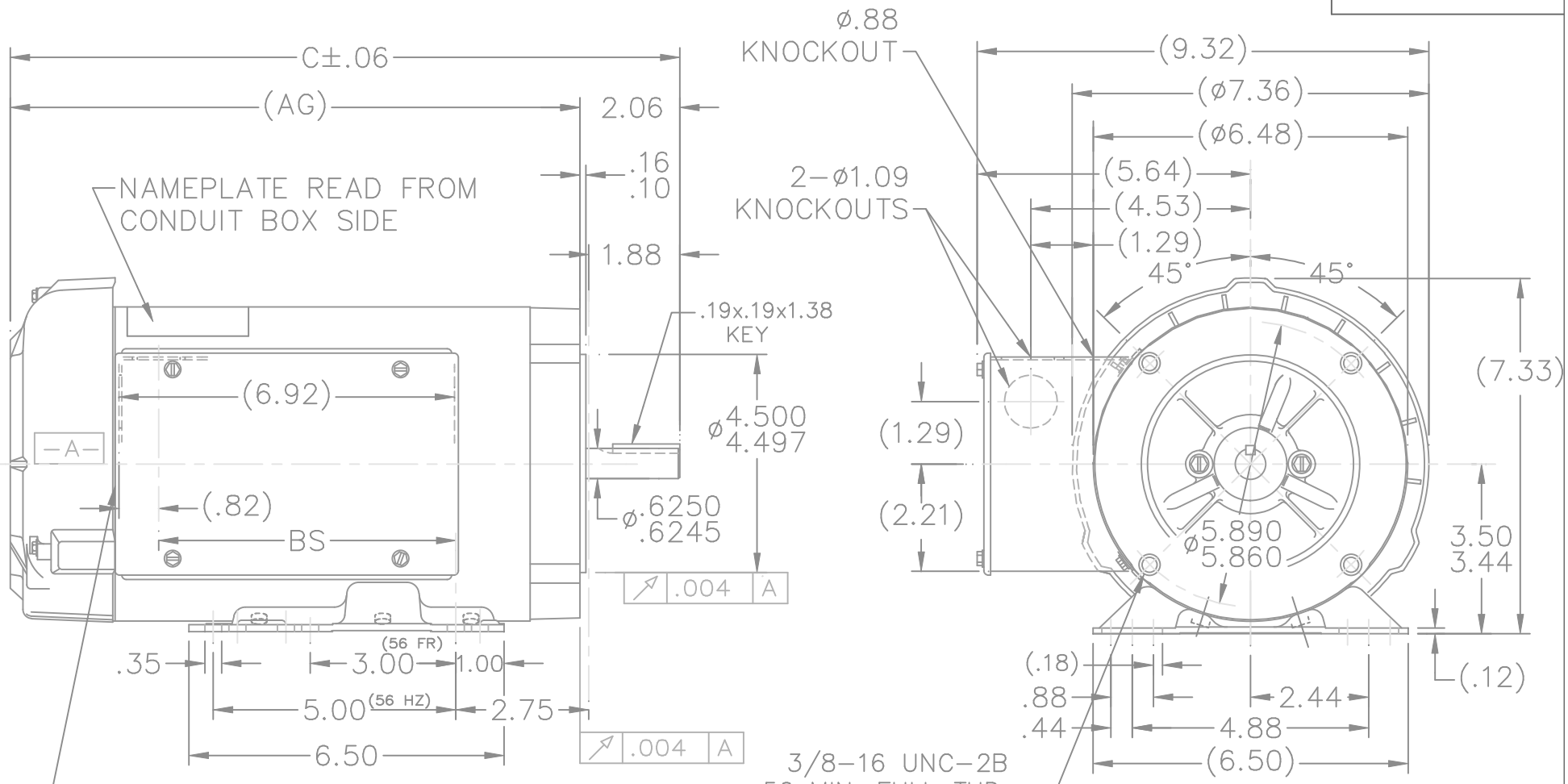
Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>15.2/8.2-7.6 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>80 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>N</b>
KVA Code	<b>J</b>	Frame	<b>56HC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</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>Y</b>	CE	<b>Y</b>
IP Code	<b>43</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>Bolt-on Base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>13.81 in</b>	Frame Length	<b>8.56 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>A-100144-856</b>	Connection Diagram	<b>102006-51</b>

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TERM. END



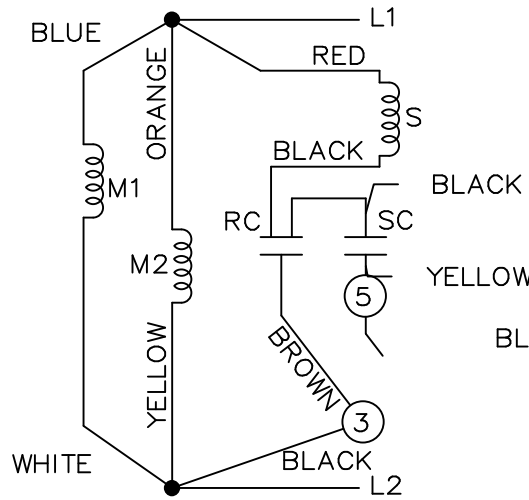
NOTES:  
1. BASE IS REMOVEABLE

DASH	FRAME	C	AG	BS
806	56.80	13.31	11.25	5.63
856	"-75	13.81	11.75	6.13
906	"-80	14.31	12.25	6.63
956	"-85	14.81	12.75	7.13

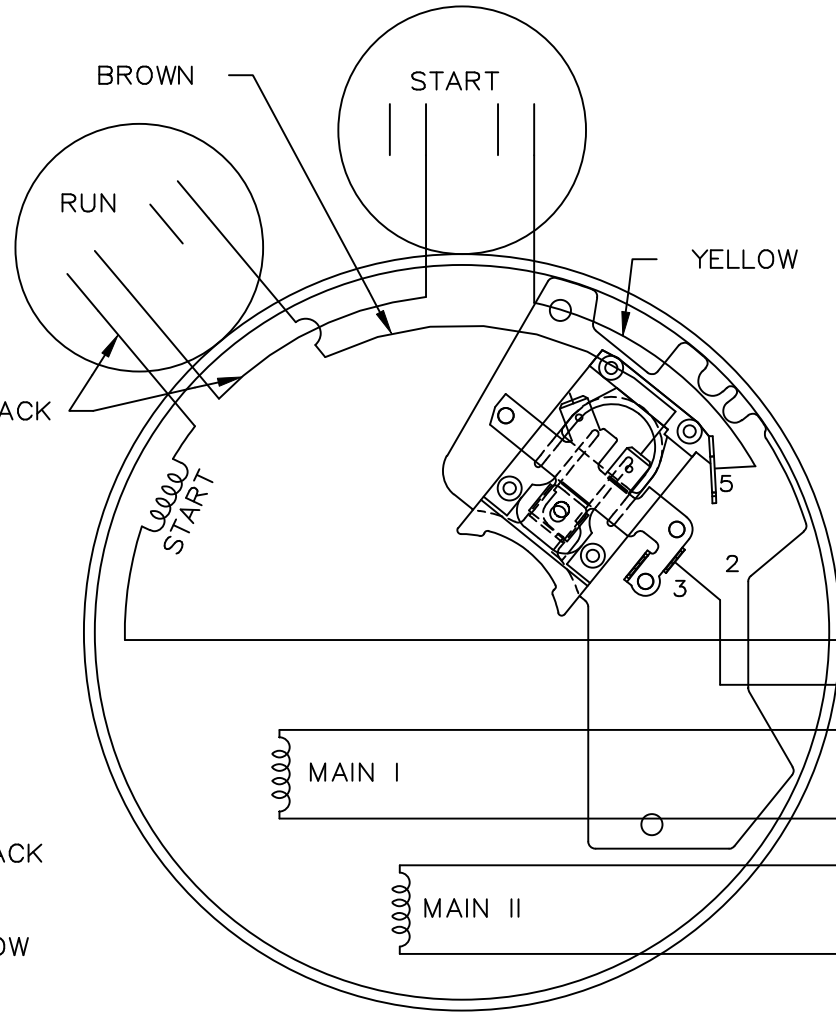
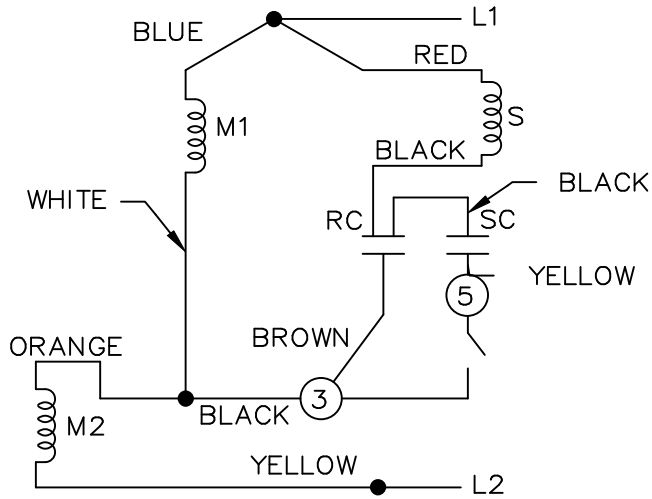
		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN BLR 05-27-1997	
		DEC.	INCHES	TITLE OUTLINE		CHK ML 06-03-1997	
		.X	$\pm .1$	56 FR. - BB - TEFC - 1 $\phi$ - C"FACE <td colspan="2">APPD GK 06-03-1997</td>		APPD GK 06-03-1997	
		.XX	$\pm .03$	MAT'L. <td colspan="2">SCALE 5=16 </td>		SCALE 5=16	
		.XXX	$\pm .005$	FINISH <td colspan="2">REF </td>		REF	
3	REDRAWN ON CAD	BLR 06-03-1997	.XXXX			FMF	
NO.	REVISION	BY & DATE	CHK	ANG		PREV	
			RFP		CAD FILE 100144	SIZE A	DRAWING NO. 100144
			DIST WP				PAGE OF 3

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LOW VOLTAGE C.C.W.

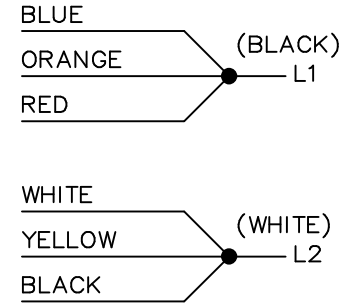


HIGH VOLTAGE C.C.W.

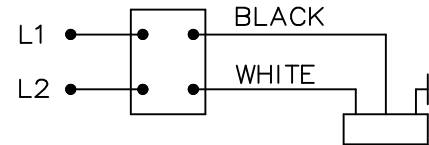
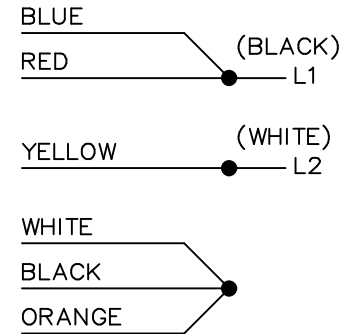


DUAL VOLTAGE CAPACITOR  
START-CAP RUN NO OVERLOAD  
SELECT ROTATION

LOW VOLTAGE C.C.W. ROTATION



HIGH VOLTAGE C.C.W. ROTATION



FOR C.W. ROTATION,  
EITHER VOLTAGE,  
INTERCHANGE RED WITH  
BLACK LEAD

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN DT 06-07-1996		
			DEC.	INCHES		CHK	MRB 06-16-1996	
			.X	±.1	TITLE CONNECTION DIAGRAM	APPD	GK 06-16-1996	
			.XX	±.02		SCALE	5=8	
9	ADDED CORD AND SWITCH VIEW MU37521	DRS 06-22-2001	.XXX	±.005		REF		
8	REDRAWN ON CADD	DT 06-16-1996	.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG ±7'30"	FINISH	PREV		
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			DIST	WP				REV. 9

**CERTIFICATION DATA SHEET**

**Model#:** 56B17F5305 K      **WINDING#:** ZB406 NONE 3  
**CONN. DIAGRAM:** 102006-51      **ASSEMBLY:** F1 ONLY  
**OUTLINE:** A-100144-856

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1725&1425	56HC	TEFC	J	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60/50	115/208-230#110/220	15.2/8.2-7.6&15.6/7.8	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.0	40	3300

FULL LOAD EFF: 80&71	3/4 LOAD EFF: 80.5	1/2 LOAD EFF: 76.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			0	CAP START CAP RUN	8.1 / 4.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.51 LB-FT	107.6 / 53.8	14.8 LB-FT 328	12.4 LB-FT 275	70

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 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	BOLT-ON	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6203	6203						

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: PROVISIONS FOR KIT NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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