PRODUCT INFORMATION PACKET

Model No: 056B17F5305
Catalog No: G574
1.50 HP General Purpose Motor, 1 phase, 1800 RPM, 115/208-230 V, 56HC Frame, TEFC
Single Phase TEFC Motors



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Nameplate Specifications

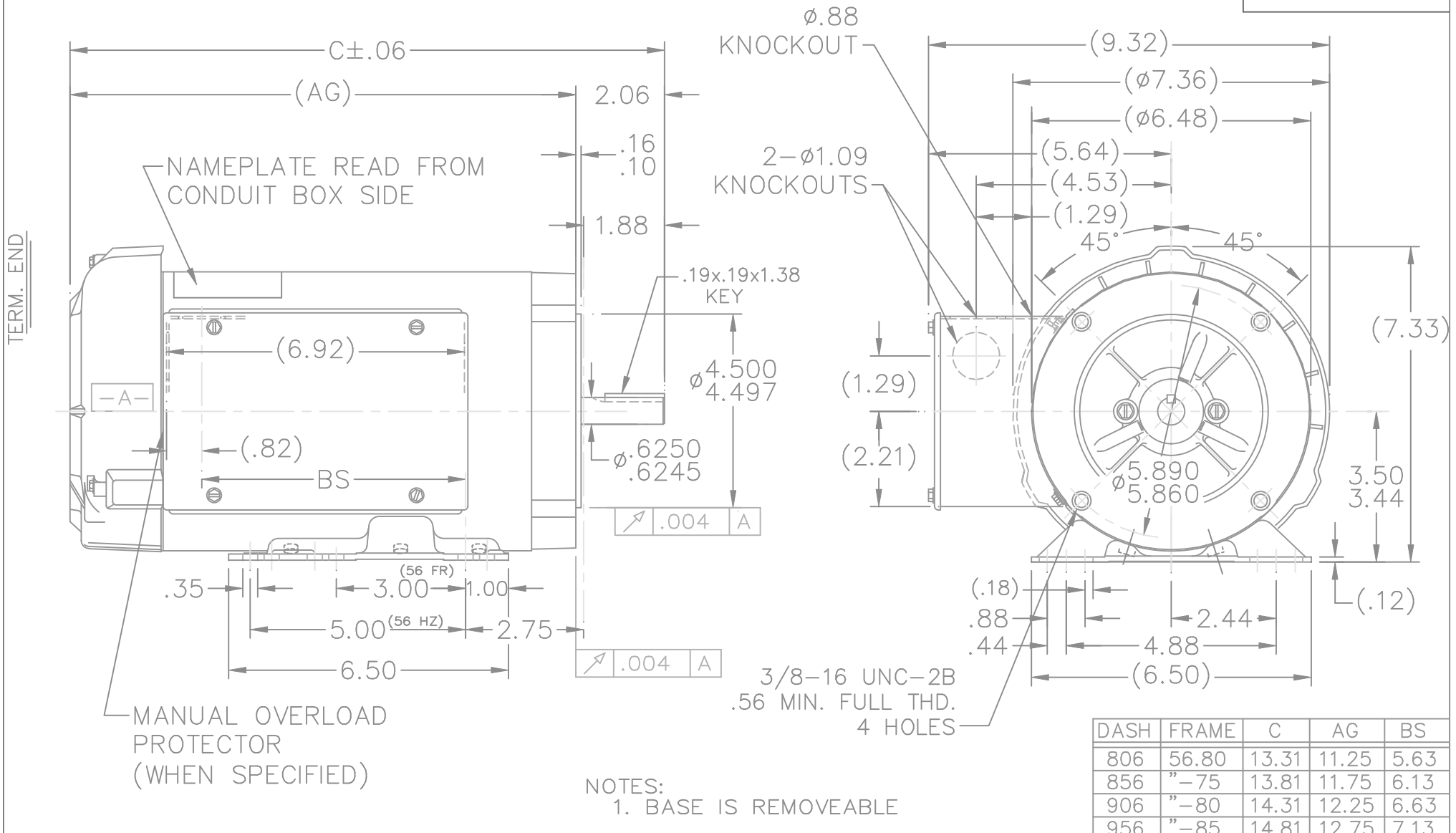
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	15.2/8.2-7.6 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	80 %	Power Factor	80
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	J
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.81 in
Frame Length	8.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	102006-51	Outline Drawing	A-100144-856

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100144



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

NO.	REVISION	BY & DATE	CHK
3	REDRAWN ON CAD	BLR 06-03-1997	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

TITLE OUTLINE
56 FR. – BB – TEFC – 1ø – C"FACE

DRAWN BLR 05-27-1997
CHK ML 06-03-1997
APPD GK 06-03-1997
SCALE 5=16
REF
FMF
PREV

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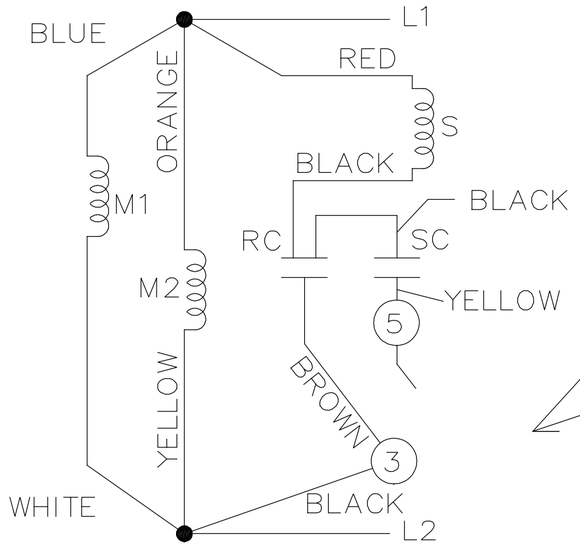
RFP
DIST WP
CAD FILE 100144

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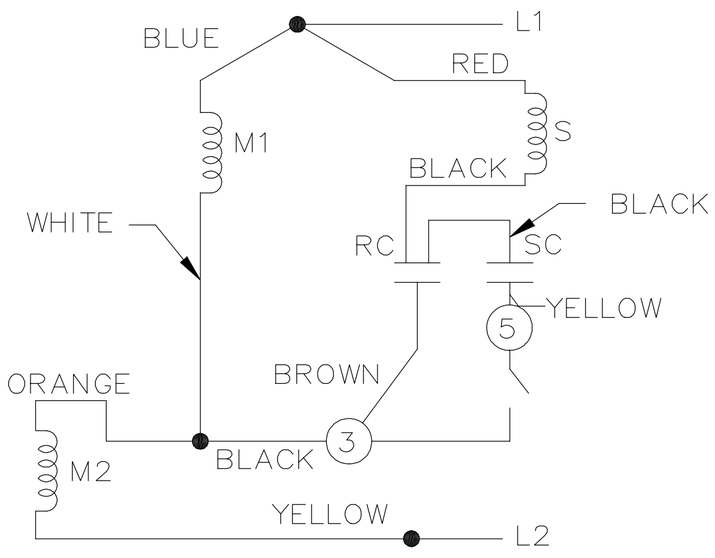
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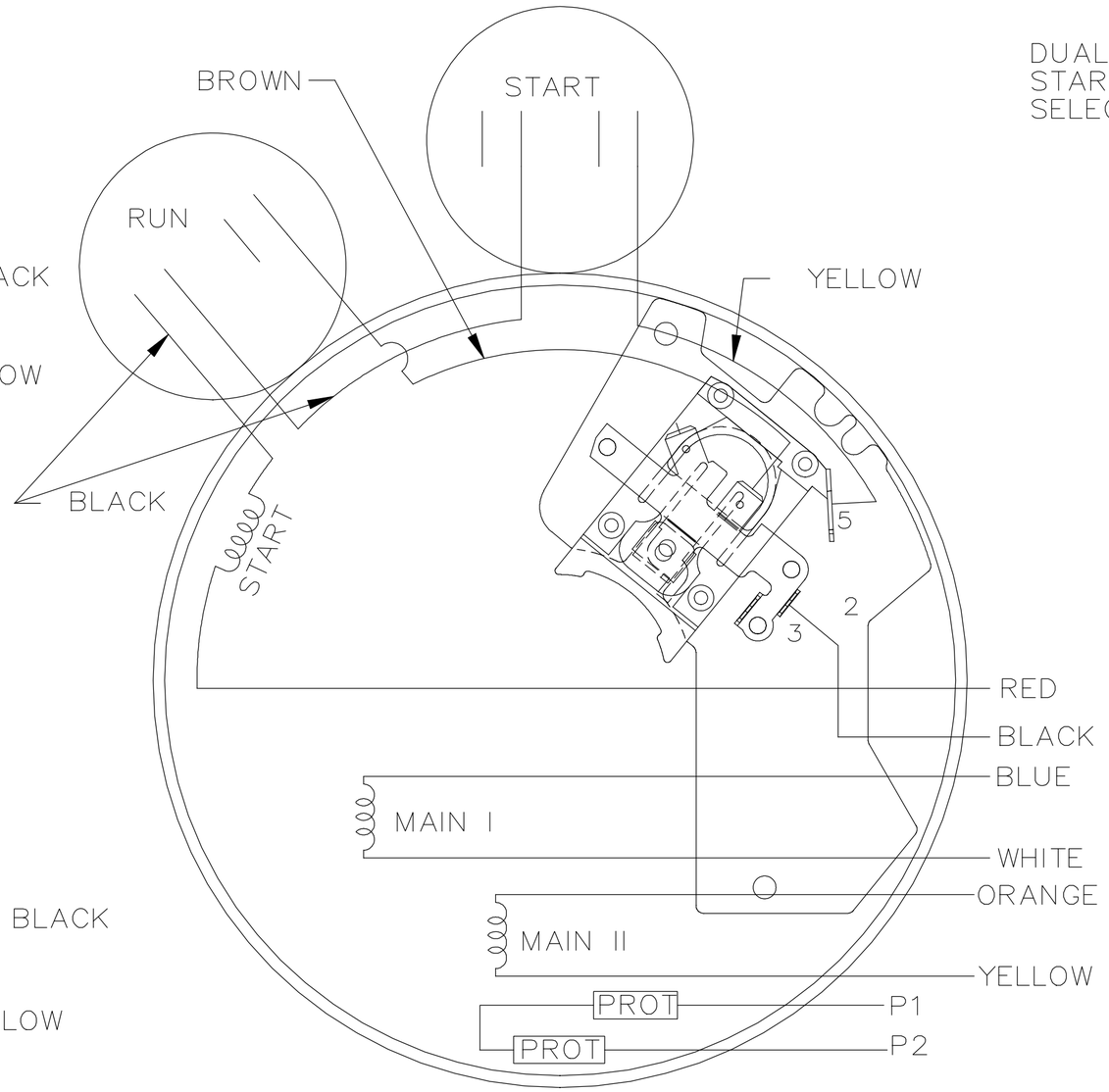
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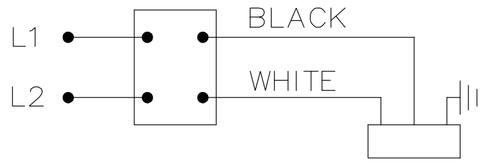
LOW VOLTAGE C.C.W.



HIGH VOLTAGE C.C.W.



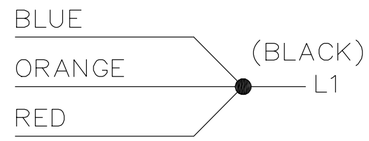


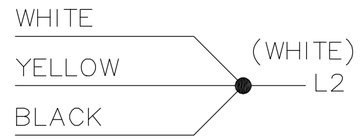


CORD CONN. WHEN SPECIFIED

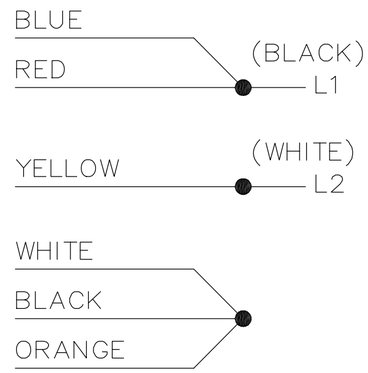
DUAL VOLTAGE CAPACITOR START-CAP RUN NO OVERLOAD SELECT ROTATION

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			
				DEC.	INCHES	REGAL™ Regal Beloit America, Inc.	DRAWN SG 05/14/19
				.X	±.1		CHK CD 05/14/19
				.XX	±.02	TITLE CONNECTION DIAGRAM	APPD CD 05/14/19
				.XXX	±.005		SCALE 1:1
				.XXXX	±.0005		REF 102006-51
01	CONVERTED TO DWG FILE	SG 05/14/19	CD			MAT'L.	FMF PR141156
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV

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DIST WP

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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
FULL LOAD PF: 80&58	**3/4 LOAD PF: 71.2**	**1/2 LOAD PF: 61**	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						
BALL 6203	BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

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

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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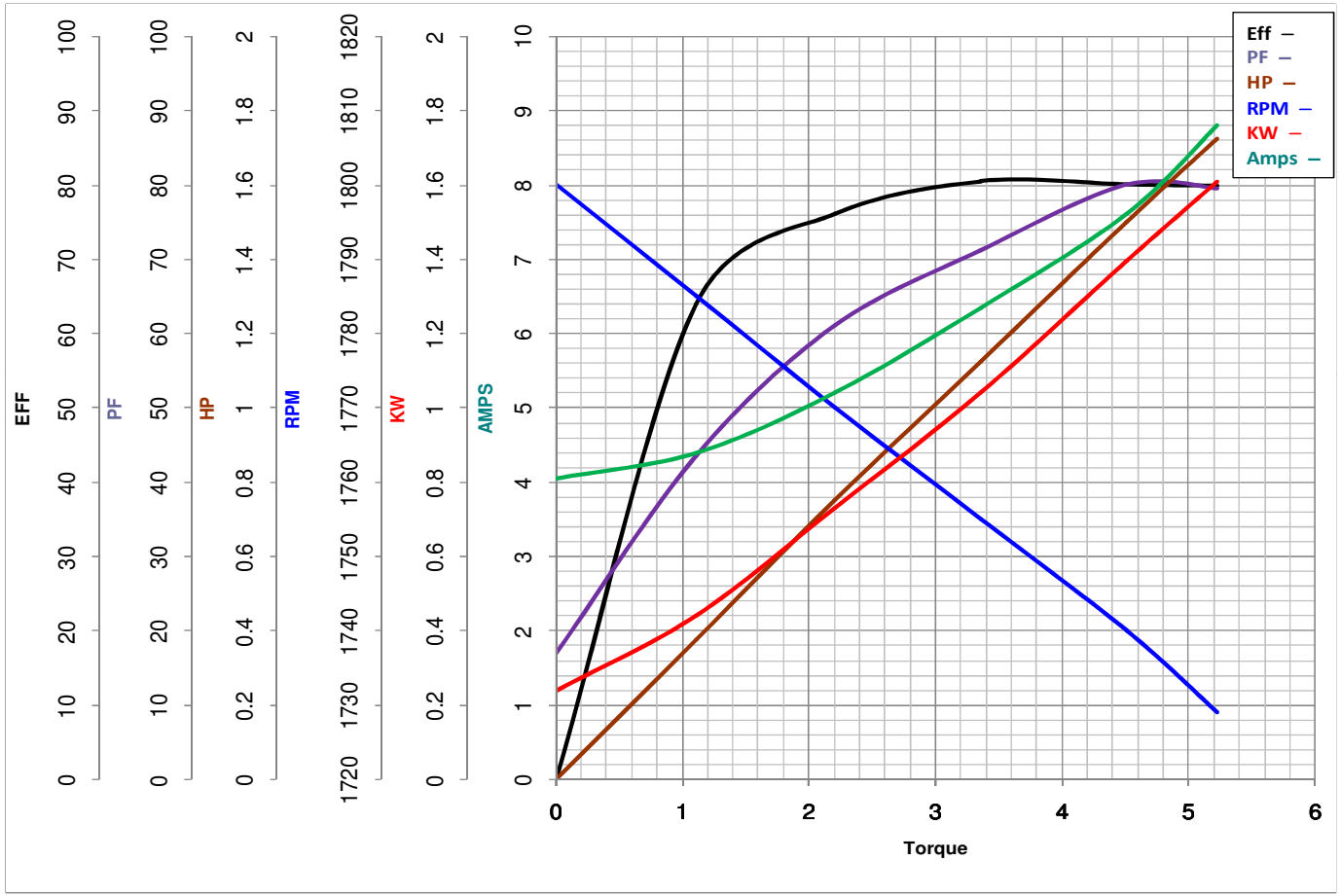
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 230 **Volts** **HP** 1.5&1 **PHASE** 1
60 **HZ**
1.5 **HP** **VOLTS** 115/208-230&110/220

Model No 56B17F5305

Catalog No G574 **HZ** 60&50 **RPM** 1725&1425



Torque in Lb.Ft

FL TORQUE	4.51	**Lb.Ft**	**FL AMPS**	15.2/8.2-7.6	
BD TORQUE	12.4	**Lb.Ft**	**PU TORQUE**	12.6	**Lb.Ft**
LR TORQUE	14.8	**Lb.Ft**	**LR AMPS**	53.8	
WINDING	ZB406-3			**Date**	**1/11/2019**