

PRODUCT INFORMATION PACKET



Model No: 056B17F5307

Catalog No: F105

General Purpose Farm Duty Motor, 1.50 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56H Frame, TEFC



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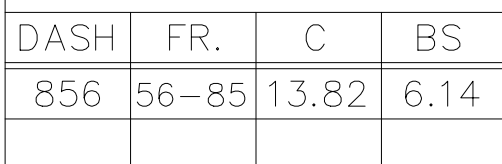


Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/208-230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56H	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	80 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	15.2/8.2-7.6 A	Power Factor	80
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized (Not Protector)	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

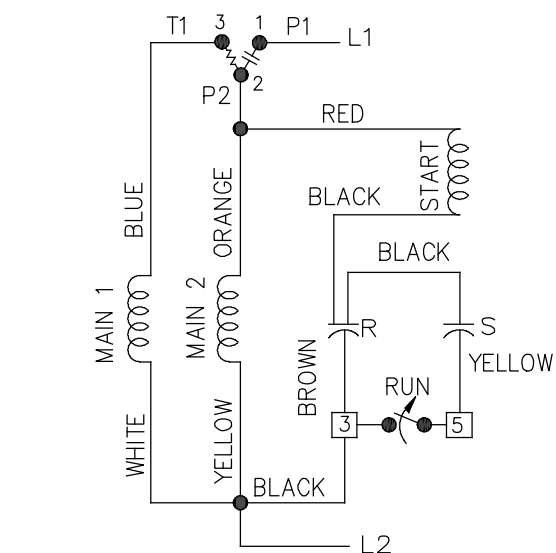
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.82 in
Frame Length	8.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.312 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100138-856	Connection Drawing	A-102006-52



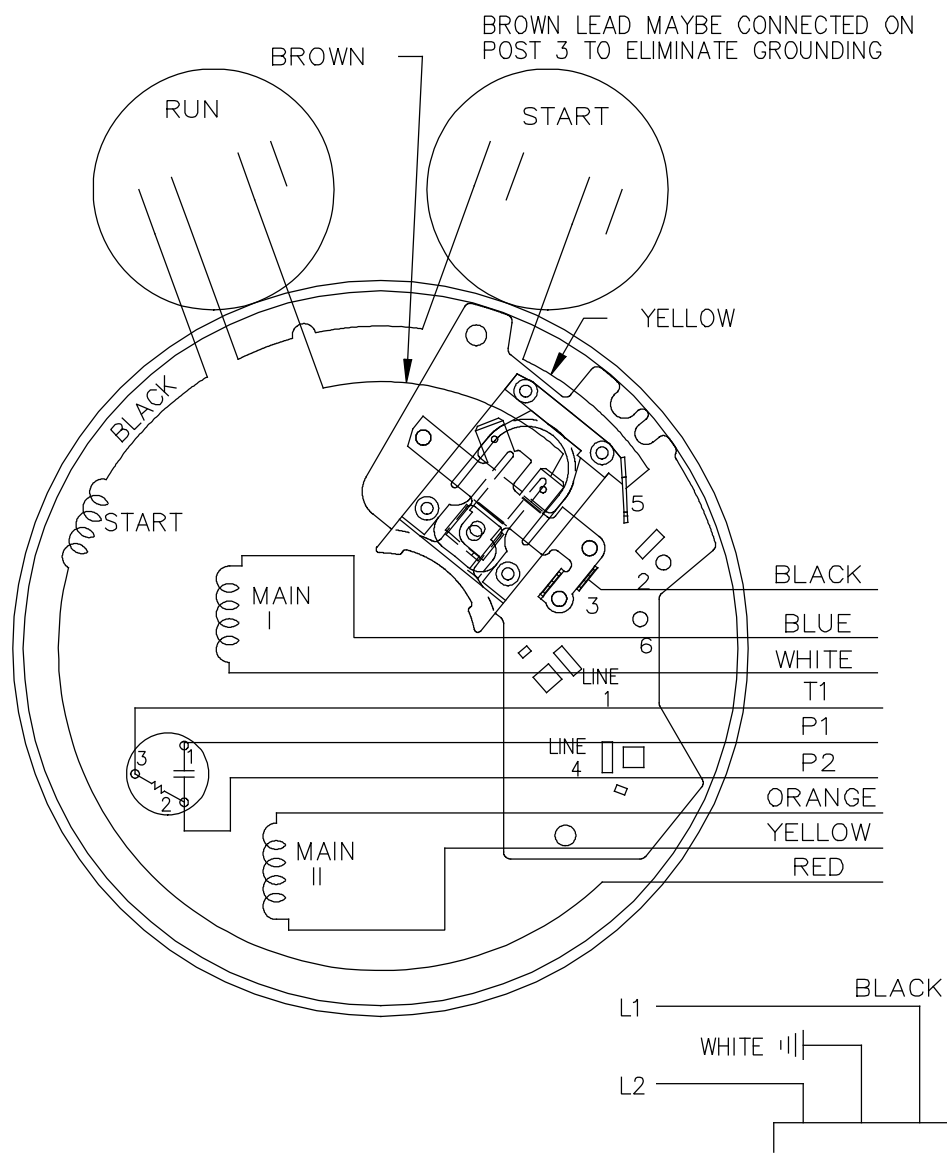
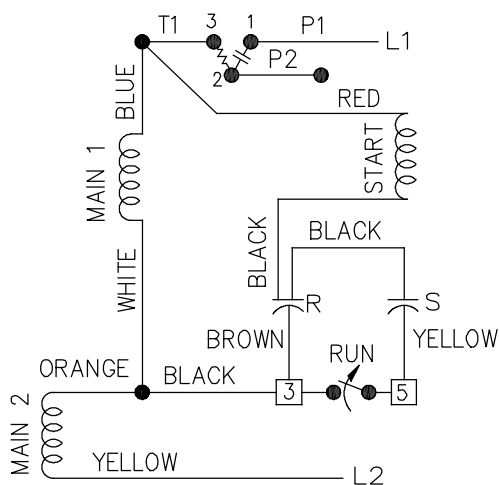
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102006-52

LOW VOLTAGE C.C.W.



HIGH VOLTAGE C.C.W.



DUAL VOLTAGE
CAP START-CAP RUN
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.

P1 ————— LINE 1

WHITE
YELLOW
BLACK



LINE 2

BLUE
T1
P2
ORANGE
RED

HIGH VOLT. CCW ROT.

P1
YELLOW



LINE 1
LINE 2

BLUE
RED
T1
P2
ORANGE
BLACK
WHITE

FOR CW ROT. EITHER
VOLTAGE INTERCHANGE
RED WITH BLACK LEAD.

14	DATED LOGO TO REGAL	SN 01-09-2020		TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN ML 05-09-1992				
13	CHG'ED SWITCH TO OPEN WHEN RUNNING ISAAC 11-2715	KBB 06-23-2011	EH	DEC.	INCHES		CHK GK 05-09-1992				
12	REMOVE 1,2,3 & 4 ON LOW & HIGH VOLT CN 31436	TJB 02-14-2002	DRS	.X	±.1		APPD FG 05-09-1992				
11	REMOVE BRAKE VIEW CN 31436	TJB 01-30-2002	DRS	.XX	±.02		SCALE 5=8				
10	ADDED BROW LEAD DETAIL NOTE CN 24300-323	BJW 02-28-2000		.XXX	±.005		REF				
9	ADDED CORD VIEW MU20434	BLR 07-01-1998		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV				
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			DIST WP					A	102006-52		

CERTIFICATION DATA SHEET

Model#: 56B17F5307 H
 CONN. DIAGRAM: A-102006-52
 OUTLINE: A-100138-856

WINDING#: ZB406 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1800	1725	56H	TEFC	J	L

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

FULL LOAD EFF: 80	3/4 LOAD EFF: 80.5	1/2 LOAD EFF: 76.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80	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
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

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

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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N
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S
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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

DATE: 06/27/2017 05:52:09 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

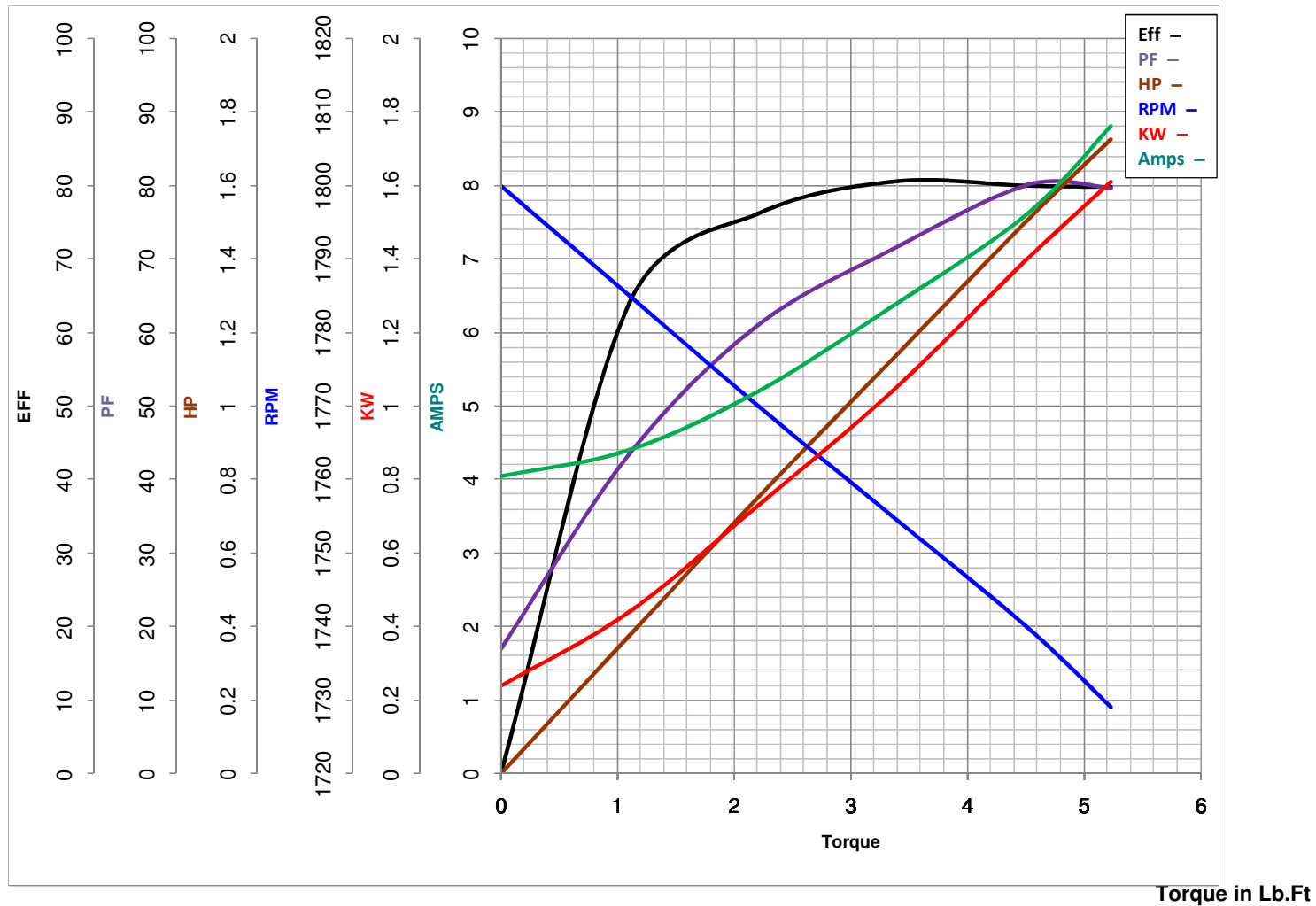
Volts

HP 1.50PHASE 1Model No 56B17F530760

HZ

1.5

HP

VOLTS 115/208-230Catalog No F105HZ 60RPM 1725

FL TORQUE 4.51 Lb.Ft
 BD TORQUE 12.4 Lb.Ft
 LR TORQUE 14.8 Lb.Ft

FL AMPS 15.2/8.2-7.6
 PU TORQUE 12.6 Lb.Ft
 LR AMPS 53.8

WINDING ZB406-3

Date 1/17/2019