

PRODUCT INFORMATION PACKET

Model No: 056C17F5325

Catalog No: F102

0.50 HP General Purpose Farm Duty Motor, 1 phase, 1800 RPM, 115/208-230 V, 56 Frame, TEFC
Single Phase Farm Duty Motors



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2020 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL



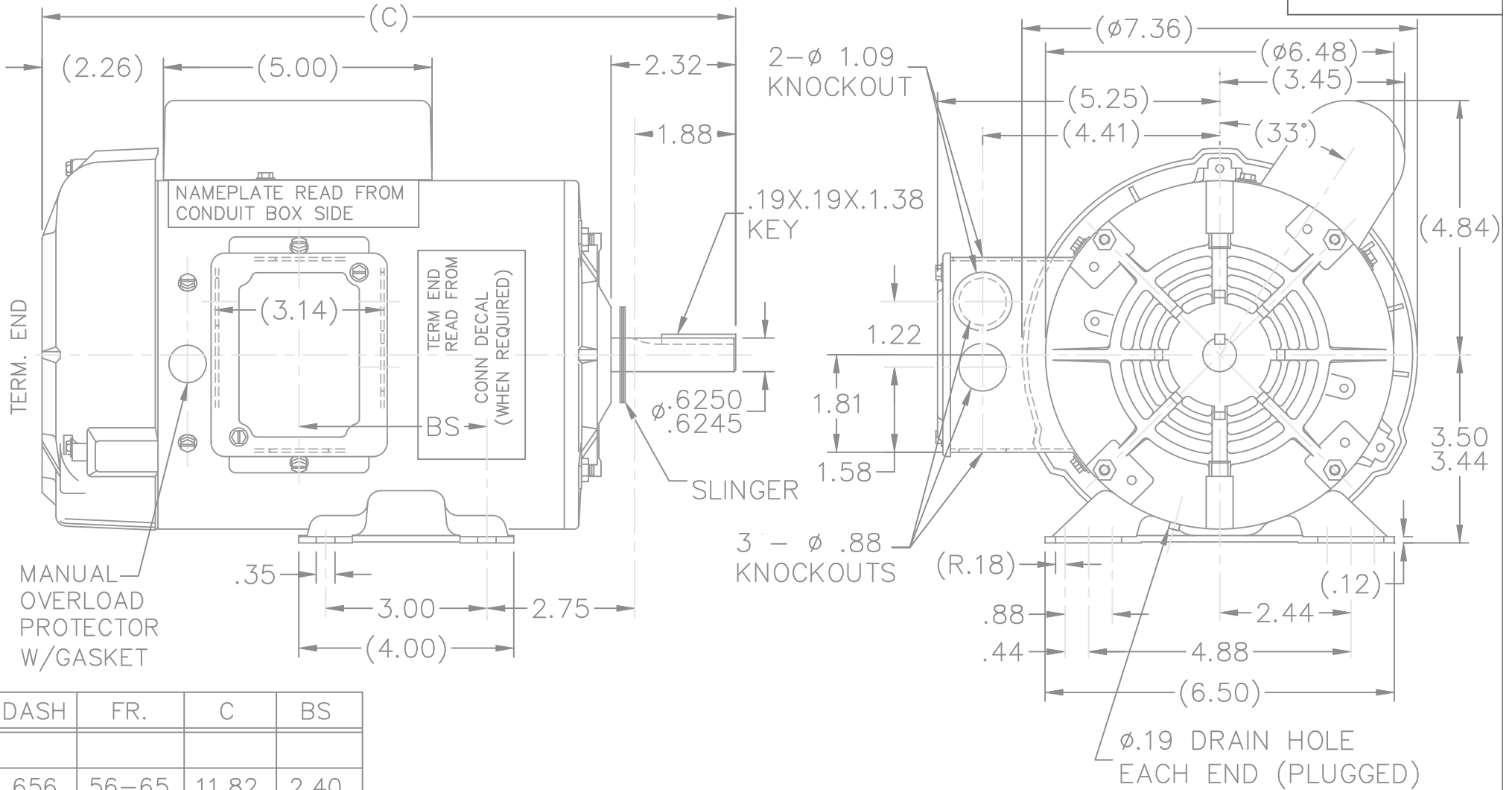
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	8.8/4.2-4.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	66 %	Power Factor	58
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	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 Induction 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	11.82 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.32 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-102005-52	Outline Drawing	A-100137-656

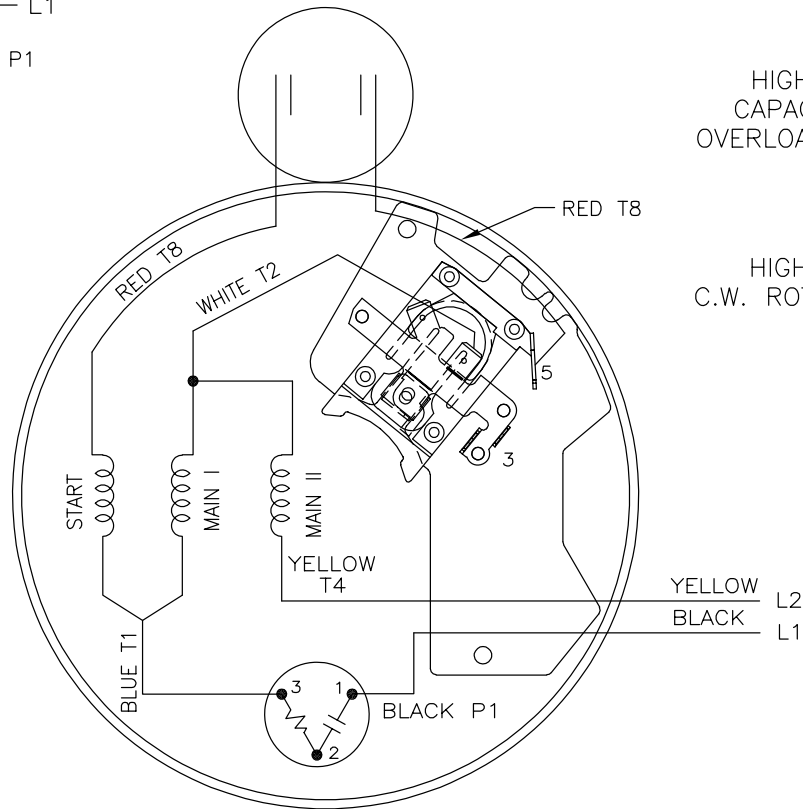
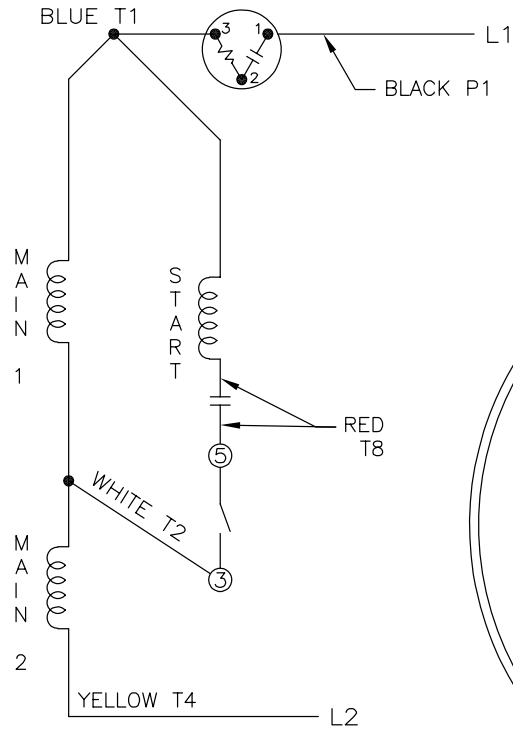
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:14/10/2020



DASH	FR.	C	BS
656	56-65	11.82	2.40
706	56-70	12.32	2.90
756	56-75	12.82	3.40

				TOLERANCES UNLESS SPECIFIED			DRAWN ML 01-11-1992				
				DEC.	INCHES		CHK GK 01-12-1992				
				.X	±.1		APPD FG 01-12-1992				
				.XX	±.03		SCALE 3=8				
4	REDRAWN IN AUTOCAD	TAT 06-13-2005	ML	.XXX	±.005	TITLE OUTLINE	REF				
3	REDRAWN ON CAD, ADDED CONN. DECAL CN 13879	ML 01-12-1992		.XXXX	±.0005	56 FRAME - BB - TEFC - 1 ϕ	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	MAT'L.	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 100137	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WP		A	100137			4

HIGH VOLTAGE - C.W.



			TOLERANCES UNLESS SPECIFIED			DRAWN	PVR 03/18/14
			DEC.	INCHES		CHK	SM 03/18/14
			.X	±.1	TITLE CONNECTION DIAGRAM	APPD	
			.XX	±.02		SCALE	5=8
			.XXX	±.005		REF	EXME140343
			.XXXX	±.0005		FMF	56C28D15508
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 102005-152		SIZE	DRAWING NO. PAGE OF REV.
			DIST	WP		A	102005-152

CERTIFICATION DATA SHEET

Model#: 56C17F5325 H WINDING#: ZC404 NONE 3
 CONN. DIAGRAM: A-102005-52 ASSEMBLY: F1 ONLY
 OUTLINE: A-100137-656

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN		
1/2	.37	1800	1725	56	TEFC	L	L		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	8.8/4.2-4.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300
FULL LOAD EFF: 66	3/4 LOAD EFF: 58.3	1/2 LOAD EFF: 54.3	GTD. EFF		ELEC. TYPE		NO LOAD AMPS		
			0		CAP START IND RUN		7 / 3.5		
F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE		F.L. RISE°C				
24.1 LB-FT	42.6 / 21.3	83.8 LB-FT -	72.3 LB-FT -		0				
SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT			
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	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	POLYREX EM	T	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	MANUAL	NONE	NONE			

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

DATE: 06/27/2017 07:05:15 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 0.50

PHASE 1

Model No 56C17F5325

60

HZ

VOLTS 115/208-230

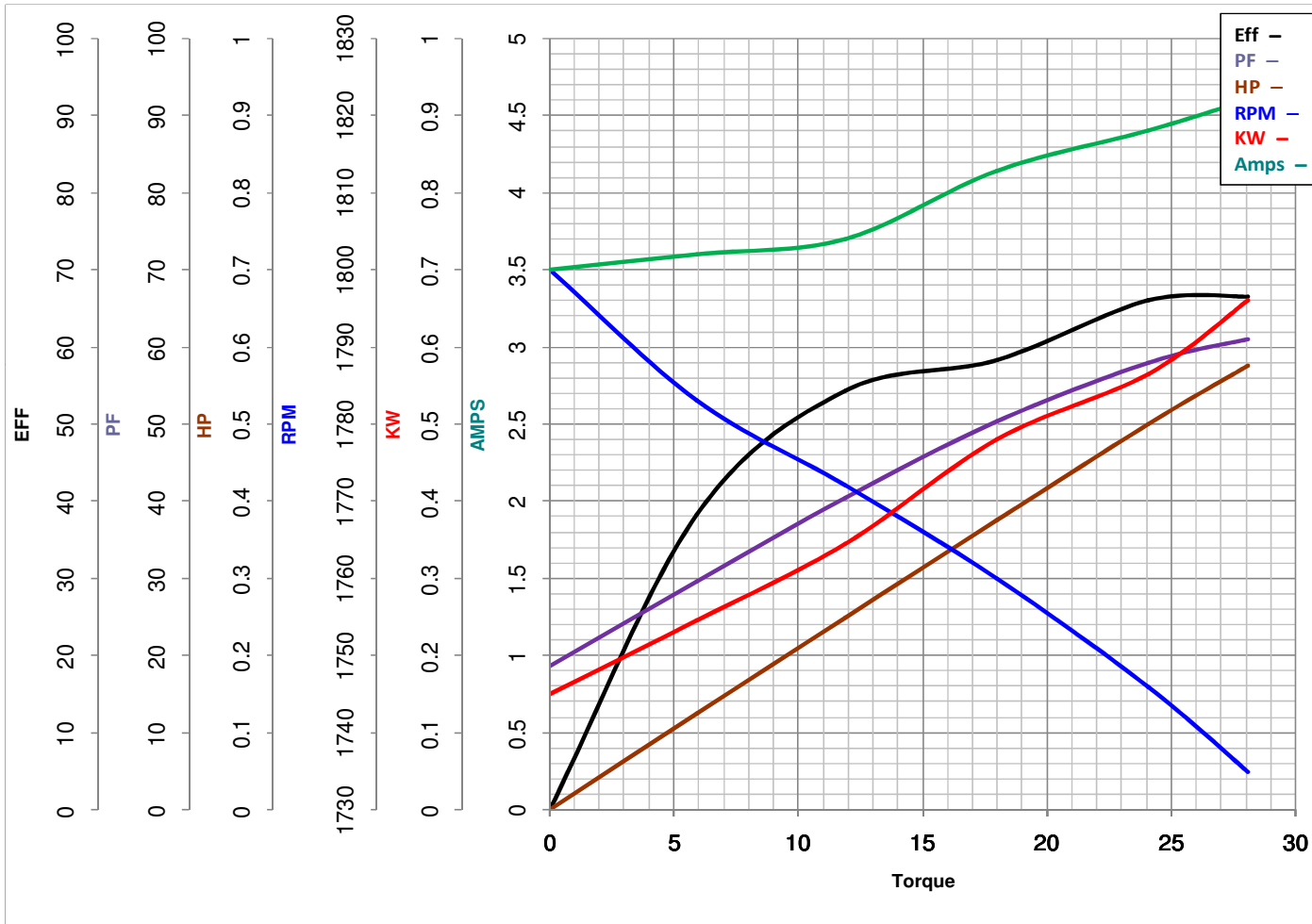
0.5

HP

Catalog No F102

HZ 60

RPM 1725



Torque in Oz.Ft

FL TORQUE 24.1 Oz.Ft
BD TORQUE 72.3 Oz.Ft
LR TORQUE 83.8 Oz.Ft

FL AMPS 8.8/4.2-4.4
PU TORQUE 61.2 Oz.Ft
LR AMPS 21.3

WINDING ZC404-3

Date 1/9/2019