

PRODUCT INFORMATION PACKET

Model No: 056B11G5301

Catalog No: G655

Explosion Proof Motor, 0.50 HP, 1 Ph, 60 Hz, 115/208-230 V, 1200 RPM, 56 Frame, EPFC



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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	9.6/4.7-4.8 A	Speed	1140 rpm
Service Factor	1	Phase	1
Efficiency	64 %	Power Factor	56
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	M
Frame	56	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	6	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	NEMA 56	Overall Length	14.94 in
Frame Length	7.81 in	Shaft Diameter	0.625 in
Shaft Extension	2 in	Assembly/Box Mounting	F1 ONLY

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CERTIFICATION DATA SHEET

Model#: 56B11G5301 F
 CONN. DIAGRAM: 102006-95
 OUTLINE: B-104189-781

WINDING#: ZB601 R1 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1200	1140	56	EPFC	M	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	9.6/4.7-4.8	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 64	3/4 LOAD EFF: 60.5	1/2 LOAD EFF: 52.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 56	3/4 LOAD PF: 47	1/2 LOAD PF: 38	0	CAP START CAP RUN	8 / 4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
35.9 LB-FT	47 / 23.5	109 LB-FT -	104 LB-FT -	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
50 dBA	60 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	STANDARD	RIGID	HORIZONTAL	FALSE	EXP PROOF CL I GR C&D CL II GR F&G T3B	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	AUTOMATIC	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					

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

 HP 0.50

 PHASE 1

 Model No 56B11G5301
60

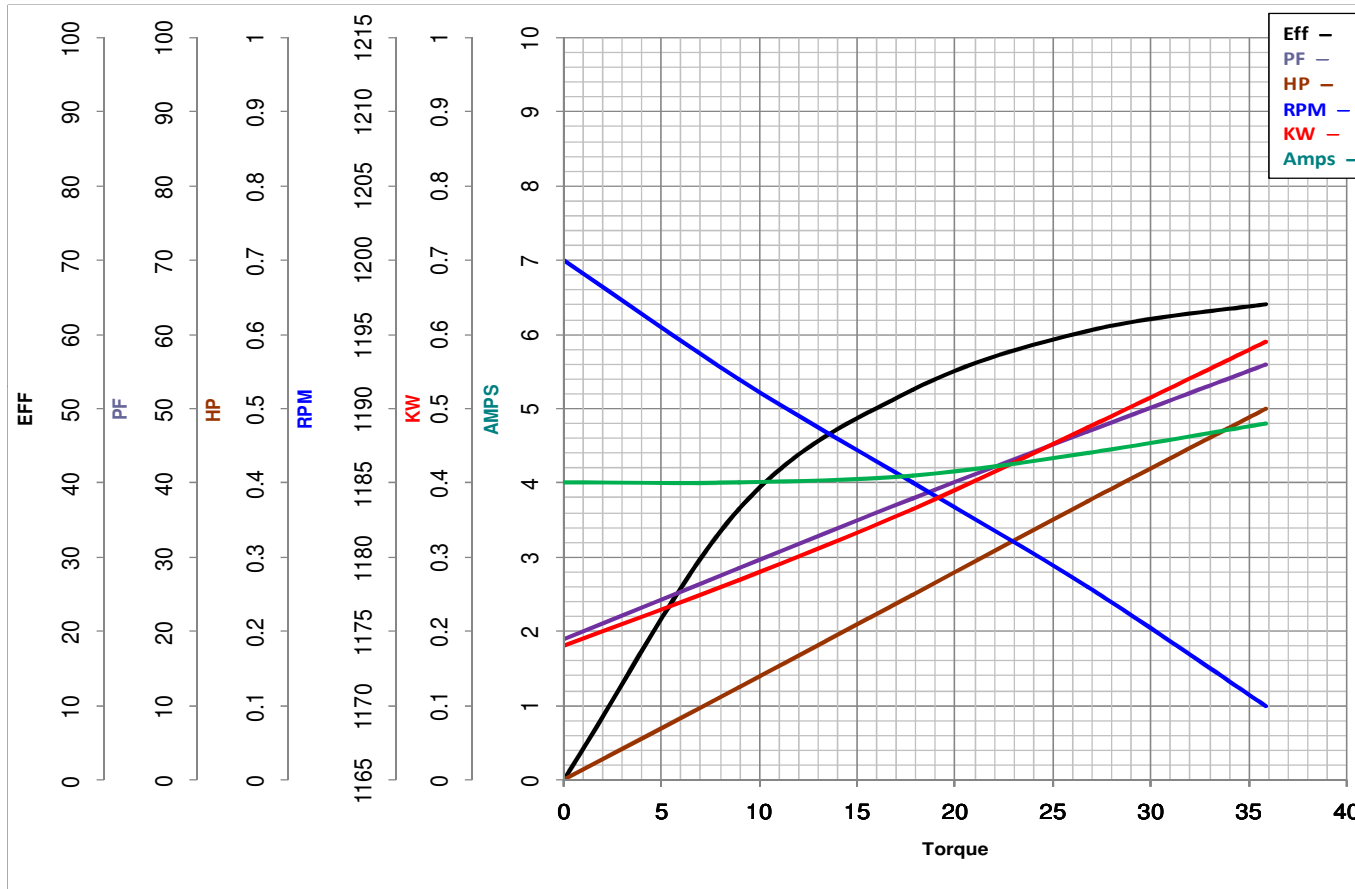
HZ

 VOLTS 115/208-230
0.5

HP

 Catalog No G655

 HZ 60

 RPM 1140


Torque in Oz.Ft

 FL TORQUE 35.9 Oz.Ft

 BD TORQUE 104.0 Oz.Ft

 LR TORQUE 109 Oz.Ft

WINDING ZB601-3

 FL AMPS 9.6/4.7-4.8

 PU TORQUE 78.9 Oz.Ft

 LR AMPS 23.5

Date 1/11/2019