

# DATA SHEET

Premium Efficiency Motor: **FM13-18-56C**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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## MOTOR INFORMATION

HP	1/3
RPM	1800
Phase	1
Frequency	60 Hz
Voltage	115/230
Frame Size	56C
Enclosure	TEFC
Degree of Protection	IP54
Service Factor	1.15
Poles	4
Full Load Speed	1725
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	N
Duty Cycle	S1 / Continuous
Slip	4.17%
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Mounting Type	C-Face with Feet
Standard	NEMA MG-1
Approvals	CSA, CE
Overload	Manual Overload

## EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	64.1 %	65.1
75%	61.1 %	56.6
50%	54.1 %	46.0

## TORQUE

FULL LOAD	LRT	BDT
1.02 lb.ft.	450 %	250 %

## AMPERAGE INFORMATION

	115V	230V
Full Load Amps	5.2	2.6
Locked Rotor Amps	33.3	16.6
No Load Current	4.03	2.015

## BEARING INFORMATION

DE Bearing	6203 2RS
ODE Bearing	6203 2RS

## CAPACITOR INFORMATION

Start Capacitor	(1)300uF/165V
Run Capacitor	--

## ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	115/230V - 6 Lead
Approximate Weight	22 lbs.

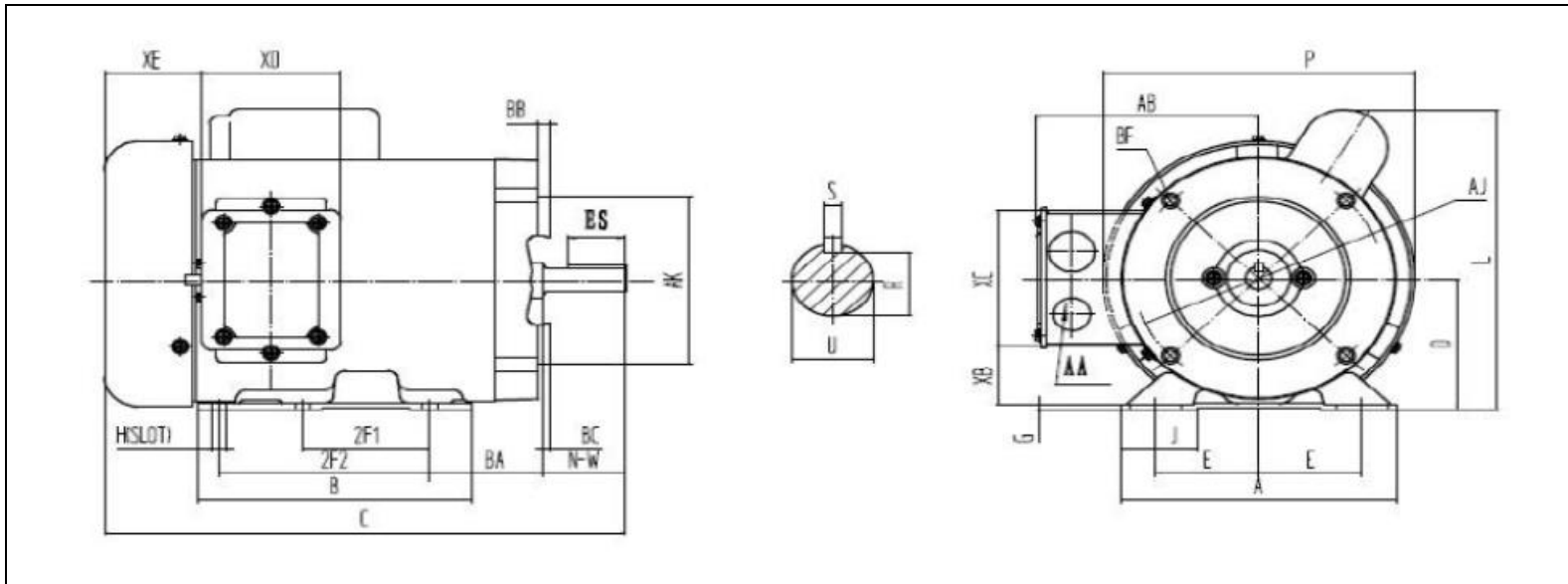
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	L	P	AB	J
E	2F1	2F2	H	BA									
2.44	3	5	0.34	2.75	6.54	6.54	11.9	3.5	0.12	8.2	7.3	5.2	1.65

SHAFT & KEY				
R	ES	S	U	NW
0.517	1.41	0.188	0.625	1.88

TERMINAL BOX				
XB	XC	XD	XE	AA
1.65	3.7	3.2	2.15	2-0.88/2-1.109

FLANGE				
AK	AJ	BF	BB	BC
4.5	5.875	3/8-16	0.16	-0.19

# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		WorldWide Electric Corporation	SINGLE PHASE INDUSTRIAL DUTY MOTOR		
MODEL	FRAME		LOW VOLTAGE		HIGH VOLTAGE
Hz	ENCL.		BLACK(P1) — LINE1		BLACK(P1) — LINE1
HP	PH		BROWN(P2) — INS		BROWN(P2) — INS
RPM	DUTY		ORANGE(T3) — INS		ORANGE(T3) — INS
VOLTS	CODE		RED(T8) — INS		RED(T8) — INS
AMPS	INS.		WHITE(T2) — INS		WHITE(T2) — INS
S.F.	DES.		YELLOW(T4) — LINE2		YELLOW(T4) — LINE2
SFA.	LB/WT		BLACK(T5) —		BLACK(T5) — LINE2
MAX. AMB.	DE/ODE BRG.				
SERIAL NO. xxxxxxxxxxxx		Date Code xx/xxxx			

MADE IN CHINA

ACCEPTABLE FOR FIELD WIRING  
ROTATION CCW-OPE TO REVERSE EITHER VOLTAGE  
INTERCHANGE BLACK (T5) AND RED (T8) LEADS  
THERMALLY PROTECTED : MANUAL

<b>Model</b>	FM13-18-56C	<b>Frame</b>	56C
<b>Hz</b>	60 Hz	<b>Encl</b>	TEFC
<b>HP</b>	1/3	<b>PH</b>	1
<b>RPM</b>	1725	<b>DUTY</b>	CONT
<b>Voltage</b>	115/230	<b>Code</b>	N
<b>Amps</b>	5.2/2.6	<b>Ins Cl</b>	F
<b>S.F.</b>	1.15	<b>IP</b>	IP54
<b>SFA.</b>	5.6/2.8	<b>DES.</b>	N
<b>DE Brng</b>	6203 2RS	<b>WT:</b>	22 lbs.
<b>ODE Brng</b>	6203 2RS	<b>MAX. AMB.</b>	40°C