



DATA SHEET

Premium Efficiency Motor: **FM34-18-56C**

60 Hz

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Customer:

MOTOR INFORMATION

HP	3/4
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	M
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%	69.8 %	71.8
75%	68.9 %	63.2
50%	64.0 %	51.0

TORQUE

FULL LOAD	LRT	BDT
2.25 lb.ft.	385 %	215 %

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	10	5
Locked Rotor Amps	62.1	31.0
No Load Current	6.62	3.31

BEARING INFORMATION

DE Bearing	6203 2RS
ODE Bearing	6203 2RS

CAPACITOR INFORMATION

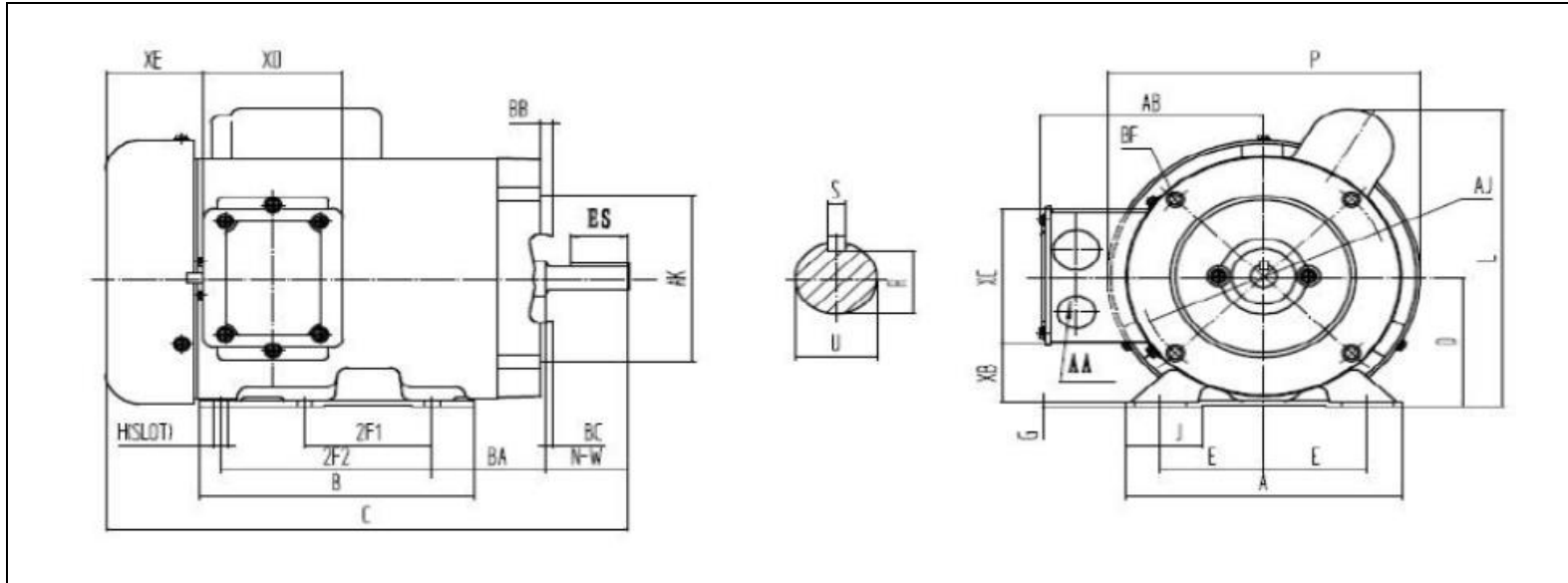
Start Capacitor	(1)500uF/165V
Run Capacitor	--

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	115/230V - 6 Lead
Approximate Weight	28.5 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	12.4	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	MADE IN CHINA
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) — } LINE2	WHITE(T2) — } LINE2	
S. F.	DES.	YELLOW(T4) — } LINE2	YELLOW(T4) — } LINE2	
SFA.	LB/WT	BLACK(T5) — } LINE2	BLACK(T5) — } LINE2	
MAX. AMB.	DE/ODE BRG.	ACCEPTABLE FOR FIELD WIRING		
SERIAL NO. xxxxxxxxxx Date Code xx/xxxx		ROTATION CCW-OPE TO REVERSE EITHER VOLTAGE INTERCHANGE BLACK (T5) AND RED (T8) LEADS THERMALLY PROTECTED : MANUAL		

Model	FM34-18-56C	Frame	56C
Hz	60 Hz	Encl	TEFC
HP	3/4	PH	1
RPM	1725	DUTY	CONT
Voltage	115/230	Code	M
Amps	10.0/5.0	Ins Cl	F
S.F.	1.15	IP	IP54
SFA.	11.0/5.5	DES.	N
DE Brng	6203 2RS	WT:	28.5 lbs.
ODE Brng	6203 2RS	MAX. AMB.	40°C