

DATA SHEET

Premium Efficiency Motor: **CDM2-36-56,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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MOTOR INFORMATION

HP	2
RPM	3600
Phase	1
Frequency	60 Hz
Voltage	115/230
Frame Size	56
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3522
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	2.18%
NEMA Design	L
Moment of Inertia	0.067 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	76 dB(A)
Number of Starts	2
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Safe
Inverter Rating	None
Standard	NEMA MG-1
Approvals	UL

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	82.9 %	0.96
75%	83.0 %	0.94
50%	78.8 %	0.86

TORQUE

FULL LOAD	LRT	BDT
3.002 lb.ft.	203 %	258 %

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	16.2A	8.1A
Locked Rotor Amps	124.52A	62.26A
No Load Current	3.78A	1.89A
Usable at 208V	8.92A	

BEARING INFORMATION

DE Bearing	6203-ZZ
ODE Bearing	6203-ZZ
Grease Type	NS7 ENS
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours
Grease Quantity	-

CAPACITOR INFORMATION

Start Capacitor	1 - 400-480μF/250V
Run Capacitor	1 - 60μF/250V

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	115 / 230 V
Approximate Weight	38.5 lbs.



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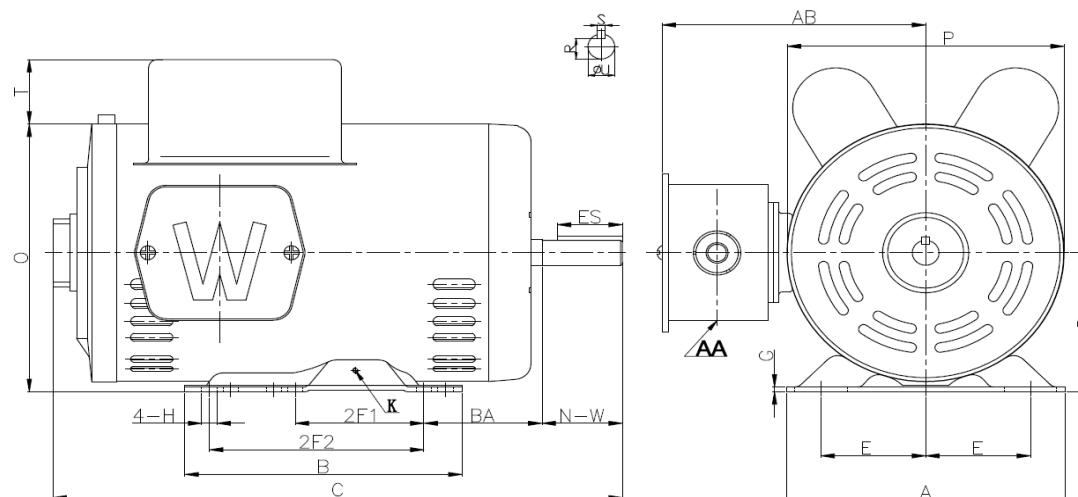
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MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
2.44	3	5	0.34	2.75	6.5	6.5	13.3	3.5	0.12	6.5	6.7	1.6	6.2

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.517	1.88	0.625

TERMINAL BOX	K - GND LUG
AA	
3x0.88"/2x1.109"	M5

NAMEPLATE / WIRING

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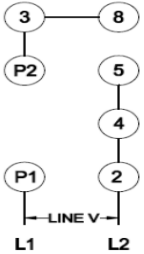
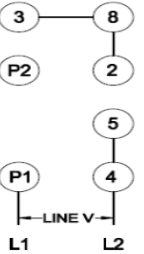
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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY SINGLE PHASE INDUCTION MOTOR			
Model :		SN :		Poles :	
HP :		Encl : ODP		IP 23	
Hz :		FR :		Eff :	
Volts :		Ins : F		P.F. :	
Amps :		CODE :		DE BRG :	
RPM :		WT : LBS		ODE BRG :	
SF :		Max Amb 40°C – CONT		Date :	
WorldWide Electric Corporation					LOW VOLTAGE 
					HIGH VOLTAGE 
					CONNECTED FOR CCW ROTATION FACING OPPOSITE DRIVE END
					TO REVERSE ROTATION INTERCHANGE LEAD 5 & 8
					MOTOR MUST BE GROUNDED, USE GREEN LEAD IF SUPPLIED PER THE NATIONAL ELECTRICAL CODE

Model CDM2-36-56
HP 2
Hz 60 Hz
Voltage 115/230
Amps 16.2A/8.1A
RPM 3522
S.F. 1.15

Encl ODP
Frame 56
Ins F
Code J
WT 38.5 lbs.

Poles 2
IP 23
Eff 82.9%
P.F. 0.96
DE Brg 6203-ZZ
ODE Brg 6203-ZZ



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