

DATA SHEET

Premium Efficiency Motor: **CDM3-36-56,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 1-Apr-2025
Document ID:

Customer:

MOTOR INFORMATION	
HP	3
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	3519
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.24%
NEMA Design	L
Moment of Inertia	0.857 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%	84.1 %	0.97
75%	84.2 %	0.97
50%	80.3 %	0.96

TORQUE		
FULL LOAD	LRT	BDT
4.406 lb.ft.	177 %	249 %

AMPERAGE INFORMATION		
	115V	230V
Full Load Amps	23.2A	11.6A
Locked Rotor Amps	175.54A	87.77A
No Load Current	4.38A	2.19A
Usable at 208V	12.44A	

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 - 90µF/250V

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	115 / 230 V
Approximate Weight	47.5 lbs.



Electrical Helper.org

For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

**AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL**

Kelly MacMillan
Office Ph: 888-226-4917
Fax: 888-226-4917
Cell: 402-679-1579
E-Mail: kelly@electricalhelper.com



MOTOR DRAWING

Premium Efficiency Motor: **CDM3-36-56**



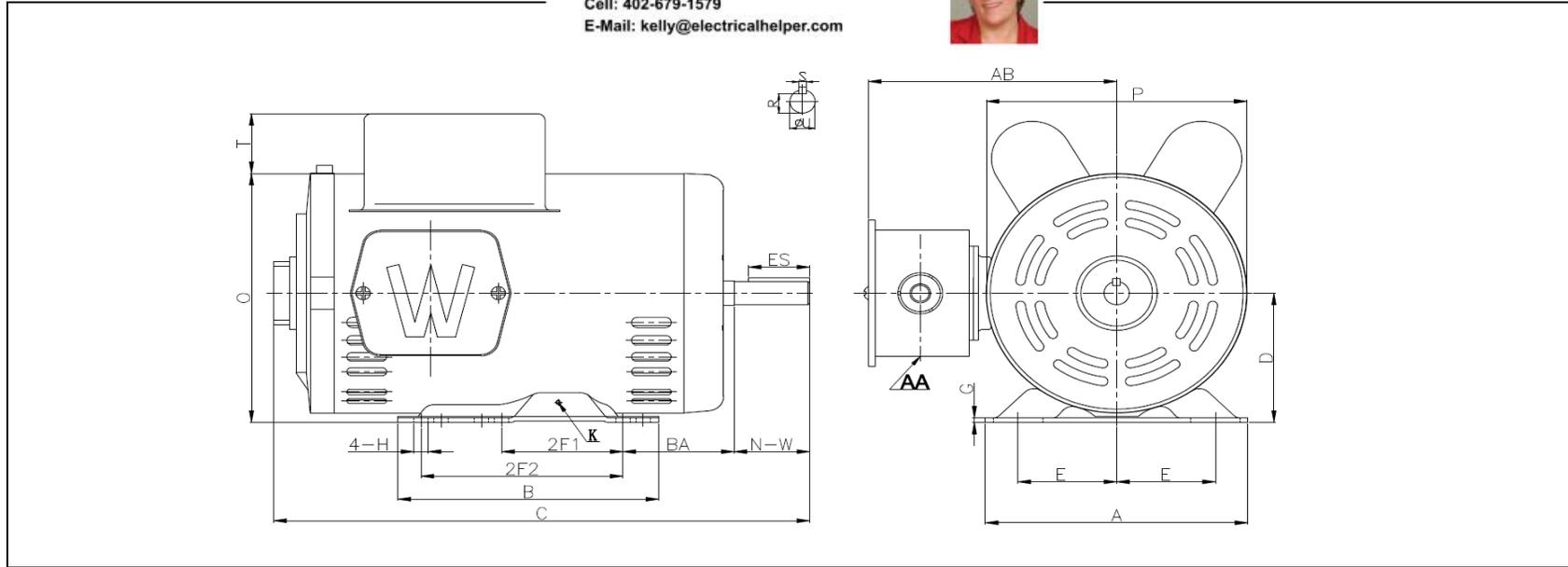
Electrical Helper.org
 For All Your Electric Needs Since 1928
 411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
 Office Ph: 888-226-4917
 Fax: 888-226-4917
 Cell: 402-679-1579
 E-Mail: kelly@electricalhelper.com



WorldWide Electric Corporation
 1 (800) 808-2131
Worldwideelectric.net



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	13.9	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
AA	LUG
3x0.88"/2x1.109"	M5

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

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

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

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

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

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

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T
E	2F1	2F2	H	BA								
2.44	3	5	0.34	2.75	6.5	6.5	13.9	3.5	0.12	6.5	6.7	1.6



Electrical Helper.org

For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
Office Ph: 888-226-4917
Fax: 888-226-4917
Cell: 402-679-1579
E-Mail: kelly@electricalhelper.com



This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

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

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



Electrical Helper.org

For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
Office Ph: 888-226-4917
Fax: 888-226-4917
Cell: 402-679-1579
E-Mail: kelly@electricalhelper.com



This document is the property of WorldWide Electric Corporation and may not be reproduced without express authoriz:

NAMEPLATE / WIRING

Premium Efficiency Motor: **CDM3-36-56**

WorldWide Electric Corporation

1 (800) 808-2131

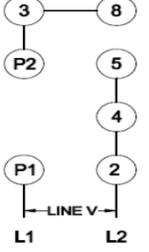
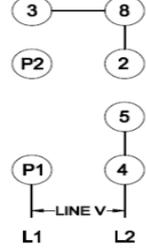
Worldwideelectric.net



Document Generated: 1-Apr-2025
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY SINGLE PHASE INDUCTION MOTOR			
Model :	SN :	Poles :	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LOW VOLTAGE</p>  </div> <div style="width: 45%;"> <p>HIGH VOLTAGE</p>  </div> </div>		
HP :	Encl : ODP	IP 23	<p>CONNECTED FOR CCW ROTATION FACING OPPOSITE DRIVE END</p> <p>TO REVERSE ROTATION INTERCHANGE LEAD 5 & 8</p> <p>MOTOR MUST BE GROUNDED, USE GREEN LEAD IF SUPPLIED PER THE NATIONAL ELECTRICAL CODE</p>		
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					

Model	CDM3-36-56	Encl	ODP	Poles	2
HP	3	Frame	56	IP	23
Hz	60 Hz	Ins	F	Eff	84.1%
Voltage	115/230	Code	H	P.F.	0.97
Amps	23.2A/11.6A	WT	47.5 lbs.	DE Brg	6203-ZZ
RPM	3519			ODE Brg	6203-ZZ
S.F.	1.15				



Electrical Helper.org

For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
Office Ph: 888-226-4917
Fax: 888-226-4917
Cell: 402-679-1579
E-Mail: kelly@electricalhelper.com

