

DATA SHEET

Premium Efficiency Motor: **CDM3-18-182T**,

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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MOTOR INFORMATION

HP	3
RPM	1800
Phase	1
Frequency	60 Hz
Voltage	115/230
Frame Size	182T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1765
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	1.96%
NEMA Design	L
Moment of Inertia	0.325 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	70 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%	84.5 %	0.94
75%	83.7 %	0.93
50%	79.2 %	0.90

TORQUE

FULL LOAD	LRT	BDT
8.782 lb.ft.	297 %	362 %

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	24.2A	12.1A
Locked Rotor Amps	173.34A	86.67A
No Load Current	6.66A	3.33A
Usable at 208V	13.4A	

BEARING INFORMATION

DE Bearing	6306-ZZ
ODE Bearing	6206-ZZ
Grease Type	NS7 ENS
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours
Grease Quantity	-

CAPACITOR INFORMATION

Start Capacitor	1 - 1000µF/150V
Run Capacitor	1 - 120µF/250V

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	115 / 230 V
Approximate Weight	75.9 lbs.



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

Kelly MacMillan

Office Ph: 888-226-4917

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MOTOR DRAWING

Premium Efficiency Motor: **CDM3-18-182T**



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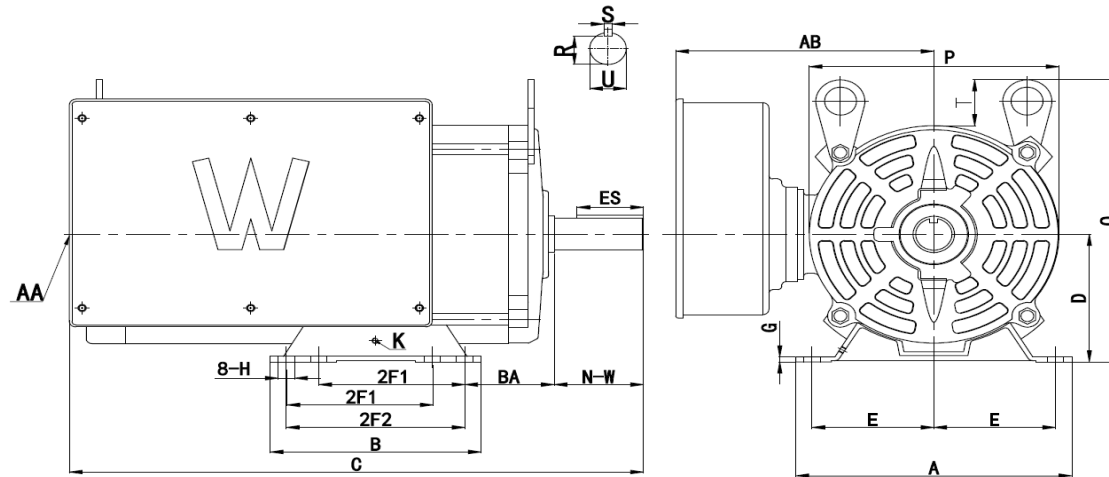
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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
3.75	4.5	5.5	0.41	2.75	8.5	6.5	17.8	4.5	0.12	7.7	10	1.6	8

SHAFT & KEY				
S	ES	R	N-W	U
0.25	1.78	0.986	2.75	1.125

TERMINAL BOX	K - GND
AA	LUG
3/4"-14 NPT	M5

NAMEPLATE / WIRING

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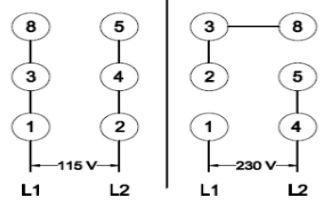
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SAMPLE NAMEPLATE DATA

		OPEN DRIP PROOF 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					
RATED 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	CDM3-18-182T	Poles	4
HP	3	IP	23
Hz	60 Hz	Encl	ODP
Voltage	115/230	Frame	182T
Amps	24.2A/12.1A	Ins	F
RPM	1765	Code	F
S.F.	1.15	WT	75.9 lbs.
		DE Brg	6306-ZZ
		ODE Brg	6206-ZZ



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