

DATA SHEET

Premium Efficiency Motor: **CDM7.5-18-213T**,

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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MOTOR INFORMATION

HP	7.5
RPM	1800
Phase	1
Frequency	60 Hz
Voltage	230
Frame Size	213T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1764
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	1.99%
NEMA Design	L
Moment of Inertia	0.725 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%	85.9 %	0.96
75%	84.9 %	0.95
50%	79.7 %	0.91

TORQUE

FULL LOAD	LRT	BDT
21.97 lb.ft.	310 %	272 %

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	-A	28.9A
Locked Rotor Amps	-A	166.9A
No Load Current	-A	7.71A
Usable at 208V		32A

BEARING INFORMATION

DE Bearing	6308-ZZ
ODE Bearing	6206-ZZ
Grease Type	NS7 ENS
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours
Grease Quantity	-

CAPACITOR INFORMATION

Start Capacitor	1 - 550-660μF/330V
Run Capacitor	2 - 45μF/500V

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	230 V
Approximate Weight	133.5 lbs.



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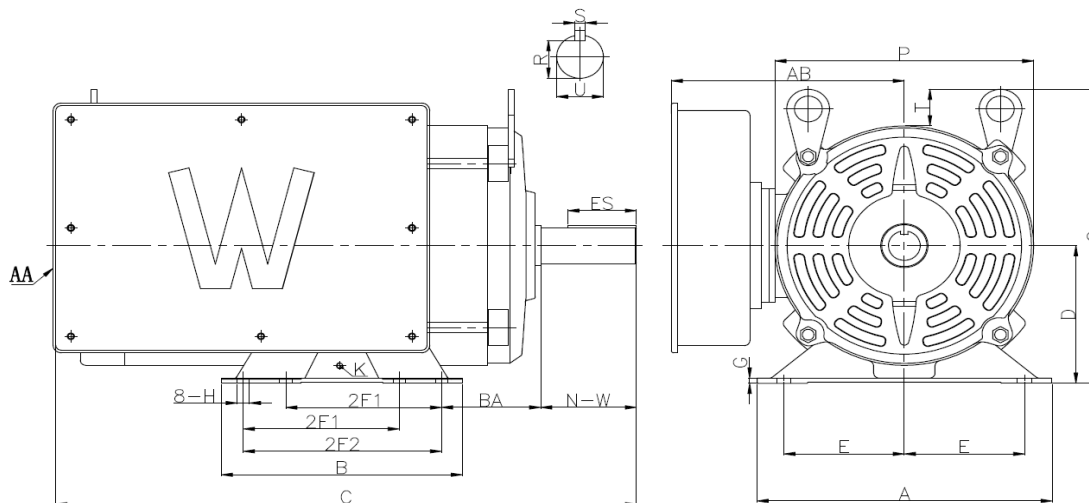
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MOTOR DRAWING

Premium Efficiency Motor: **CDM7.5-18-213T**



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
4.25	5.5	7	0.41	3.5	10.5	8.5	20.5	5.25	0.16	9.2	11.3	1.4	8.3

SHAFT & KEY				
S	ES	R	N-W	U
0.312	2.41	1.201	3.38	1.375

TERMINAL BOX	K - GND LUG
AA	
1"-11 NPT	M5

NAMEPLATE / WIRING

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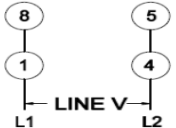
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SAMPLE NAMEPLATE DATA

		OPEN DRIP PROOF SINGLE PHASE INDUCTION MOTOR			
Model :		SN :		Poles :	
HP :		Encl : ODP		IP 23	
Hz :		FR :		Eff : %	
Volts :		Ins :		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	CDM7.5-18-213T	Poles	4
HP	7.5	IP	23
Hz	60 Hz	Eff	85.9%
Voltage	230	P.F.	0.96
Amps	-A/28.9A	DE Brg	6308-ZZ
RPM	1764	ODE Brg	6206-ZZ
S.F.	1.15		
Encl	ODP		
Frame	213T		
Ins	F		
Code	F		
WT	133.5 lbs.		



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