



# DATA SHEET

Premium Efficiency Motor: **FD2-18-182T**,

**60 Hz**

Document Generated: 25-Sep-2024  
Document ID:

Customer:

## MOTOR INFORMATION

HP	2
RPM	1800
Phase	1
Frequency	60 Hz
Voltage	230
Frame Size	182T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	4
Full Load Speed	1764
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	L
Duty Cycle	S1 / Continuous
Slip	2.03%
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Mounting Type	Rigid Base
Standard	NEMA MG-1
Approvals	UL, CE

## EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	84.0 %	91.6
75%	82.4 %	89.50
50%	77.1 %	84.2

## TORQUE

FULL LOAD	LRT	BDT
5.99 lb.ft.	363 %	242 %

## AMPERAGE INFORMATION

	230V
Full Load Amps	8.48A
Locked Rotor Amps	78.6A
No Load Current	3.01A
Usable at 208V	9.38A

## BEARING INFORMATION

DE Bearing	6306ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	NSK SN7

## CAPACITOR INFORMATION

Start Capacitor	250-300uF/300V
Run Capacitor	(1)25uF/450V

## ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230V - 4 Lead
Approximate Weight	67.1 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



# NAMEPLATE / WIRING

Premium Efficiency Motor: **FD2-18-182T**

Document Generated: 25-Sep-2024  
Document ID:

Customer:

## SAMPLE NAMEPLATE DATA

		HIGH EFFICIENCY-HIGH TORQUE SINGLE PHASE FARM DUTY MOTOR			
Model :		SN :		Poles : 4	<p><u>RATED VOLTAGE</u></p> <p>CONNECTED FOR CCW ROTATION FACING OPPOSITE DRIVE END</p> <p>TO REVERSE ROTATION INTERCHANGE LEAD 5 &amp; 8</p> <p>MOTOR MUST BE GROUNDED. USE GREEN LEAD IF SUPPLIED PER THE NATIONAL ELECTRICAL CODE</p>
HP :		Encl : TEFC		IP 55	
Hz :	60	FR :		Eff :	
Volts :	230	Ins : F		P.F. :	
Amps :		CODE :		DE BRG :	
RPM :		WT : LBS		ODE BRG :	
SF :	1.15	Max Amb 40°C - CONT		Date :	
<b>WorldWide Electric Corporation</b>					

<b>Model</b>	FD2-18-182T				
<b>HP</b>	2	<b>Encl</b>	TEFC	<b>IP</b>	IP55
<b>Hz</b>	60 Hz	<b>Frame</b>	182T	<b>Nom.Eff.</b>	84.0%
<b>Voltage</b>	230	<b>Ins Cl</b>	F	<b>P.F.</b>	91.6
<b>Amps</b>	8.48A	<b>Code</b>	L	<b>DE Brng</b>	6306ZZ C3
<b>RPM</b>	1763.5	<b>WT:</b>	67.1 lbs.	<b>ODE Brng</b>	6206ZZ C3
<b>S.F.</b>	1.15				