



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

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DATA SHEET

Premium Efficiency Motor: **NT12-36-56CB**

60 Hz

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Customer:

MOTOR INFORMATION

HP	1/2
RPM	3600
Phase	1
Frequency	60 Hz
Voltage	115/230
Frame Size	56C
Enclosure	TEFC
Degree of Protection	IP43
Service Factor	1.15
Poles	2
Full Load	3450
Speed	F
Temperature Class	80°C
NEMA Code Letter	N
Duty Cycle	S1 / Continuous
Slip	4.17%
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Mounting Type	C-Face with Removable Base
Standard	NEMA MG-1
Approvals	CSA, CE
Overload	None

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	66.2	
%	73.4625%	65.9
50%	58.3 %	53.5

TORQUE

FULL LOAD	LRT	BDT
0.76 lb.ft.	515 %	400

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	6.5	3.3
Locked Rotor Amps	49.2	24.6
No Load Current	4.47	2.235
Usable at 208V	3.4A	

BEARING INFORMATION

DE Bearing	6203 2RS
ODE	6203 2RS

Bearing

CAPACITOR INFORMATION

Start	(1)300uF/165V
Capacitor Run	--

Capacitor

ADDITIONAL DATA

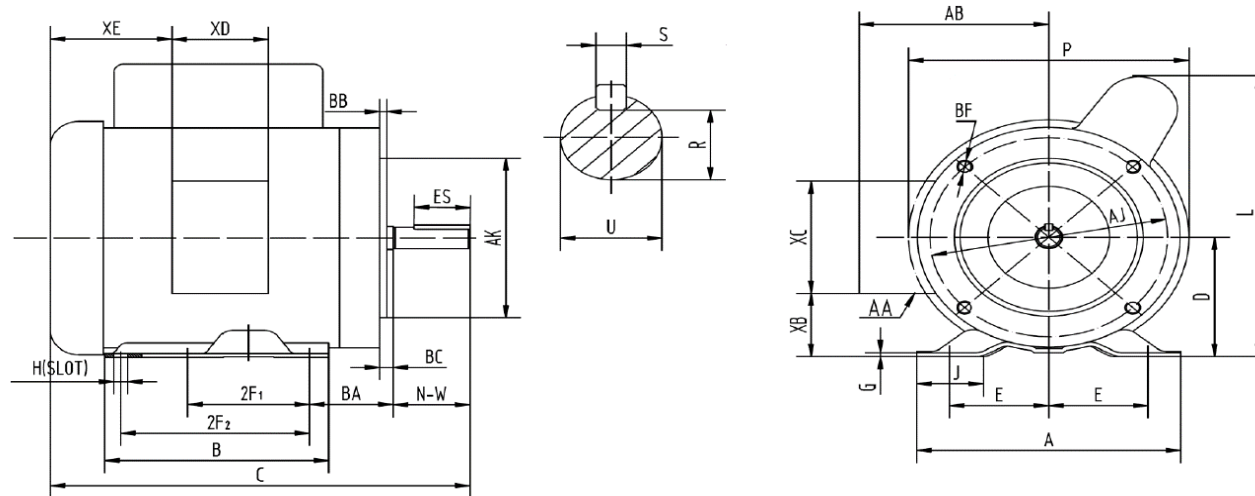
F2 Suitable	No
Shaft Material	1045 Carbon
Connection Diagram	Steel 115/230V -
Approximate Weight	6 Lead

23 lbs.



MOTOR DRAWING

Premium Efficiency Motor: **NT12-36-56CB**



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	L	P	AB	J
E	2F1	2F2	H	BA									
2.44	3	5	0.34	2.75	6.54	6.54	11.9	3.5	0.12	8.2	7.3	5.2	1.65

SHAFT & KEY				
R	ES	S	U	NW
0.517	1.41	0.188	0.625	1.88

TERMINAL BOX				
XB	XC	XD	XE	AA
1.65	3.7	3.2	2.15	3-0.88/2-1.109

FLANGE				
AK	AJ	BF	BB	BC
4.5	5.875	3/8-16	0.16	-0.19



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NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

WORLDWIDE Electric Corp		SINGLE PHASE INDUCTION MOTOR		C US 256950		CE	
MODEL	FRAME 56C	LOW VOLTAGE		HIGH VOLTAGE		MADE IN CHINA	
Hz 60	ENCL. TEFC	BLUE (T1)	LINE1	BLUE (T1)	LINE1		
HP	PH 1	ORANGE (T3)		ORANGE (T3)	INS		
RPM	DUTY CONT	RED (T8)	LINE2	RED (T8)			
VOLTS 115/230	CODE	WHITE (T2)		WHITE (T2)			
AMPS	INS. F IP43	YELLOW (T4)	YELLOW (T4)				
	DES.	BLACK (T5)		BLACK (T5)			
S. F. 1.15	LB/WT	ACCEPTABLE FOR FIELD WIRING					
SFA.	MAX. AMB. 40°C	ROTATION CCW-OPE TO REVERSE EITHER VOLTAGE					
DE/ODE BRG.	Date Code XX/XXXXX	INTERCHANGE BLACK (T5) AND RED (T8) LEADS					
		THERMALLY PROTECTED : NONE					
SERIAL NO. XXXXXXXXXXXX		WorldWide Electric Corporation					

Model	NT12-36-
56CB	Frame 56C Hz 60 Hz Encl 60 Hz TEFC
HP	1/2 PH 1
RPM	3450 DUTY CONT
Voltage	115/230 Code N
Amps	6.5/3.3 Ins Cl F
S.F.	1.15 IP IP43
SFA.	7.2/3.6 DES. N
DE Brng	6203 2RS WT: 23
lbs. ODE Brng	6203 2RS