



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: **NT13-36-56CB**

60 Hz

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Customer:

MOTOR INFORMATION

HP	1/3
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
Insulation 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%	55.7	
%	68.25%	61.6
50%	42.0 %	53.

TORQUE

FULL LOAD	LRT	BDT
0.51 lb.ft.	470 %	360

AMPERAGE INFORMATION

	115V	230V
Full Load Amps	5.4	2.7
Locked Rotor Amps	38.0	19.
No Load Current	0 4.4	2.2
Usable at 208V	2.9A	

BEARING INFORMATION

DE Bearing	6203 2RS
ODE	6203 2RS

Bearing

CAPACITOR INFORMATION

Start	(1)200uF/165V
Capacitor Run	--

Capacitor

ADDITIONAL DATA

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

21 lbs.



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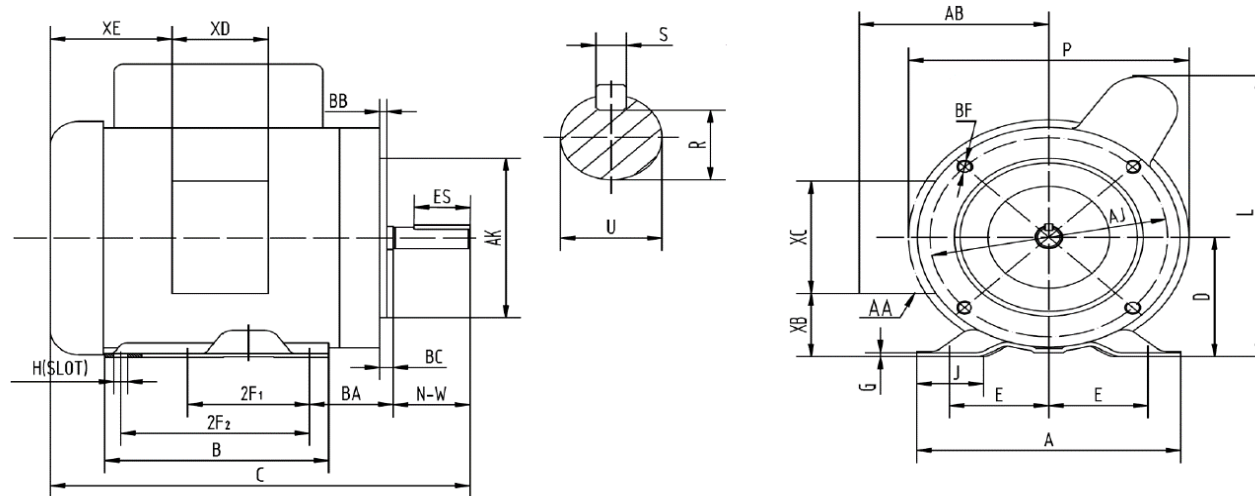
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MOTOR DRAWING

Premium Efficiency Motor: **NT13-36-56CB**



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		SINGLE PHASE INDUCTION MOTOR			
MODEL	FRAME 56C	LOW VOLTAGE		HIGH VOLTAGE	
Hz 60	ENCL. TEFC	BLUE (T1)	LINE1	BLUE (T1)	LINE1
HP	PH 1	ORANGE (T3)		ORANGE (T3)	
RPM	DUTY CONT	RED (T8)		RED (T8)	
VOLTS 115/230	CODE	WHITE (T2)	LINE2	WHITE (T2)	INS
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			
SERIAL NO. XXXXXXXXXXXX		THERMALLY PROTECTED : NONE			
WorldWide Electric Corporation					

Model	NT13-36-
56CB	Frame 56C Hz 60 Hz
HP	1/3
RPM	3450
Voltage	115/230
Amps	5.4/2.7
S.F.	1.15
SFA.	6.2/3.1
DE Brng	6203 2RS
lbs. ODE Brng	6203 2RS