

DATA SHEET

Premium Efficiency Motor: **NATE2-36-56CRD**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	2
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	56HC
Enclosure	TEFC
Degree of Protection	IP43
Service Factor	1.15
Poles	2
Full Load Speed	3500
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	0.03%
NEMA Design	B
Moment of Inertia	0.0561 lb.ft.^2
Sound Pressure Level	73 dB(A)
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Base	C-Face Footless
Rotation	Bi-Directional
Standard	NEMA MG-1
Approvals	CSA, CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	86.3 %	85.6
75%	86.3 %	80.2
50%	84.0 %	69.3

TORQUE		
FULL LOAD	LRT	BDT
3.02 lb.ft.	405 %	420 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	5.58	2.61
Locked Rotor Amps	52.8	26.4
No Load Current	2.28	1.14
Usable at 208V	5	

BEARING INFORMATION	
DE Bearing	6203 2RS
ODE Bearing	6203 2RS

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	33.4 lbs.

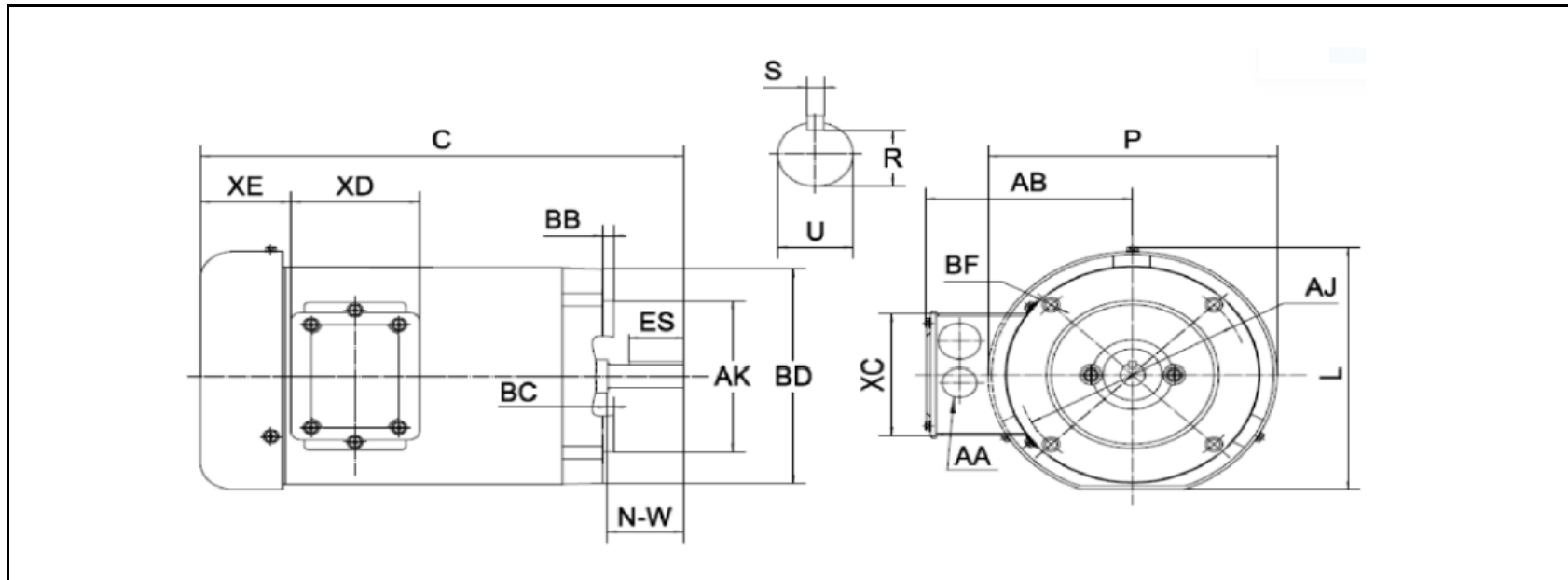
MOTOR DRAWING

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DIMENSION - INCHES

FLANGE MOUNTING						C	P	L	AB
AK	Max BD	AJ	BF	BB	BC				
4.5	5	5.875	3/8-16	0.16	-0.19	11.9	7.3	7.4	5.2

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.517	1.88	0.625

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

PERFORMANCE CURVES

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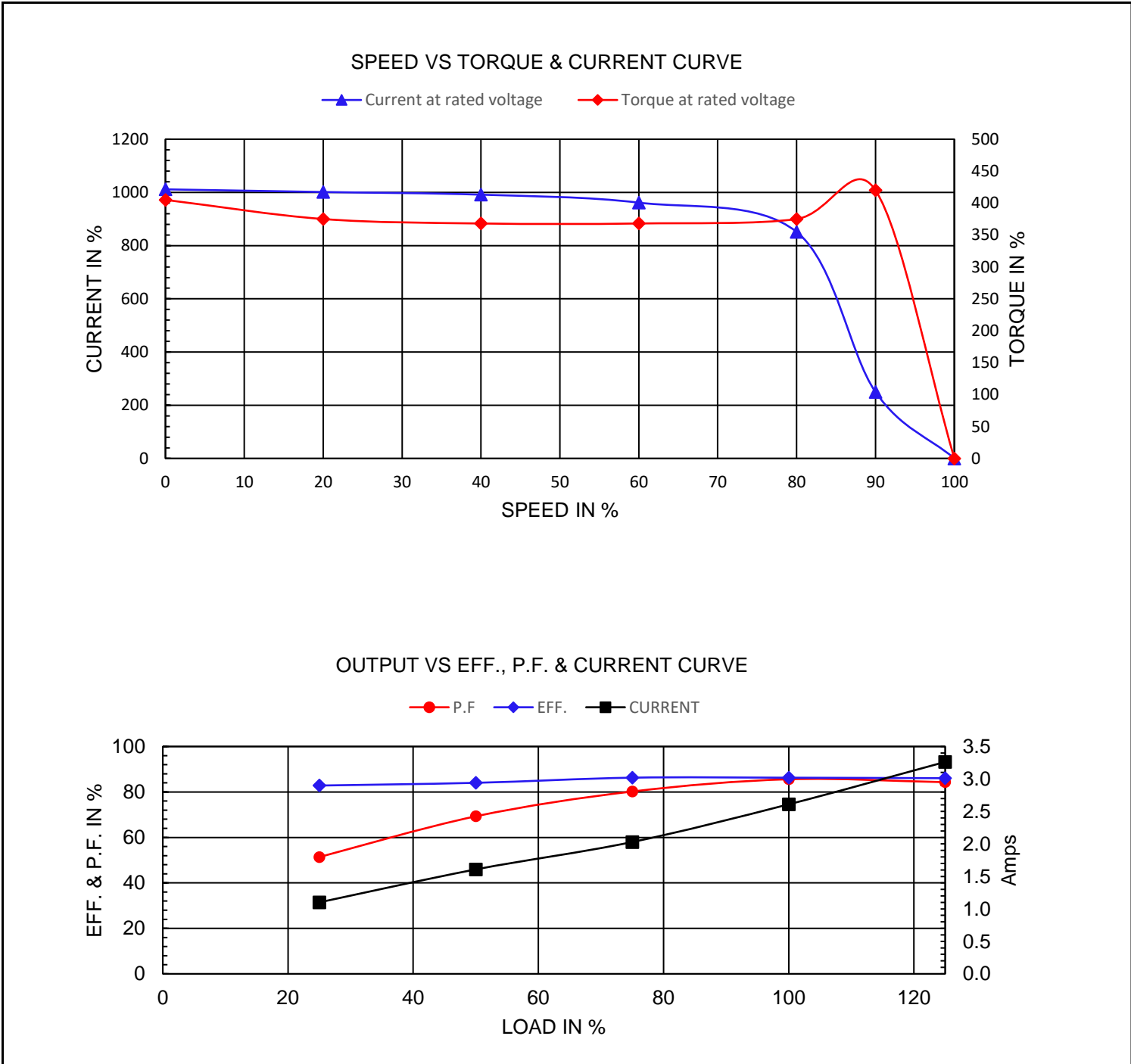
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Motor Type					
Output Rating (HP)	2		FL Speed	3500	
Full Load Torque	3.02 lb.ft		LRT (%FLT)	405	460 volt FLA 2.61
Rotor Wk ²	0.0561 lb-ft ²		BDT (%FLT)	420	230 volt FLA 5.58



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE INDUCTION MOTOR					256950 CC315B			
								MODEL _____ FRAME _____		
Hz	ENCL.	TEFC	LOW VOLTAGE		HIGH VOLTAGE					
HP	PH	3	BLUE (T1) — LINE1 BROWN (T7) — LINE1	BLUE (T1) — LINE1 WHITE (T2) — LINE2 ORANGE (T3) — LINE3	MADE IN CHINA					
RPM	DUTY	CONT	WHITE (T2) — LINE2 RED (T8) — LINE2	YELLOW (T4) — INS BROWN (T7) — INS						
VOLTS	CODE		ORANGE (T3) — LINE3 YEL/BLA (T9) — LINE3	BLACK (T5) — INS RED (T8) — INS						
AMPS	INS.	F	YELLOW (T4) — INS BLACK (T5) — INS	GRAY (T6) — INS YEL/BLA (T9) — INS						
S. F.	LB/WT		GRAY (T6) — INS							
NOM. EFF (60Hz)	DE/ODE BRG.		ACCEPTABLE FOR FIELD WIRING THERMALLY PROTECTED : NONE							
MAX. AMB. 40°C	Date Code XX/XXXX									
SERIAL NO. XXXXXXXXXX		WorldWide Electric Corporation								

Model	NATE2-36-56CRD	Frame	56HC
Hz	60 Hz	50Hz	Encl TEFC
HP	2	1.5	PH 3
RPM	3500	2915	DUTY CONT
Voltage	230/460	190/380	Code H
Amps	5.58/2.61	4.78/2.39	Ins Cl F
IP	IP43		Design B
S.F.	1.15	1.15	LB/WT 33.4 lbs.
Nom.Eff.	86.3%		DE Brng 6203 2RS
			ODE Brng 6203 2RS