

Product Information Packet

February 5, 2024

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	WPN-DF215TSQ-4C
Catalog Number:	BC4N010V4C
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4N010V4C	Estimated Weight:	162 Lbs
Outline Drawing:	See Page 3	Time Rating:	S1
Connection Diagram:	See Page 4	Enclosure:	TEFC
Design Code:	B	Encl Construction:	GP
Type:	KS	Ambient Max(°C):	40
Frame:	215TC	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	10HP	Nominal Efficiency:	91.7 %
RPM:	1765	Guaranteed Efficiency:	90.2 %
Voltage:	208-230/460	3/4 Load Efficiency:	91.8 %
Hertz:	60	KVA Code:	G
Amps - FL:	24.4/12.2	Max KVAR:	6.3
Service Factor:	1.25@60Hz	Power Factor:	84%
Alt Service Factor:	1.15	Bearing - DE:	6208-ZZC3
		Bearing - ODE:	6208-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

12-60HZ CONSTANT TORQUE, 6-60Hz VARIABLE TORQUE

50HZ DATA:
 190-200/400V
 28.5/14.3AMPS
 RPM 1470
 SF 1.0

CSA APPROVED FOR CLASS I;DIVISION 2; GROUPS A, B, C & D,ZONE 2; GROUPS IIA & IIB T3 WITH VFD

Additional Information:

F1/F2/F3/ROUND BODY MOUNTING USING REMOVABLE/REPOSITIONABLE FEET
 INVERTER DUTY: CT5:1(12Hz~60Hz)@100%TN, CT15:1(4Hz~60Hz)@66.7%TN, VT20:1

Performance Characteristics

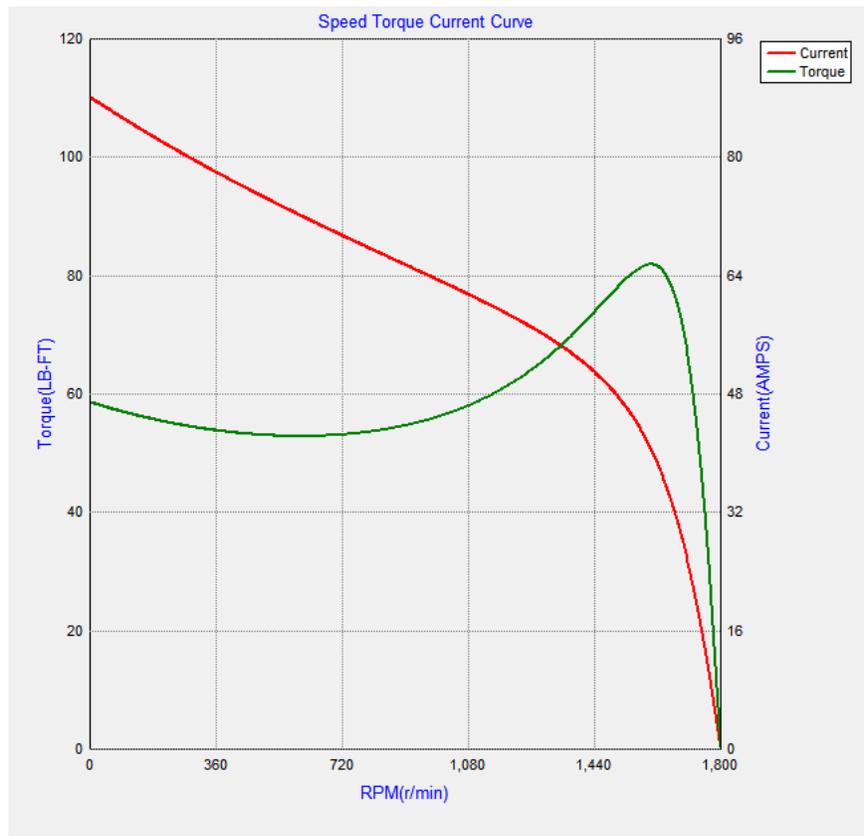
Marks:

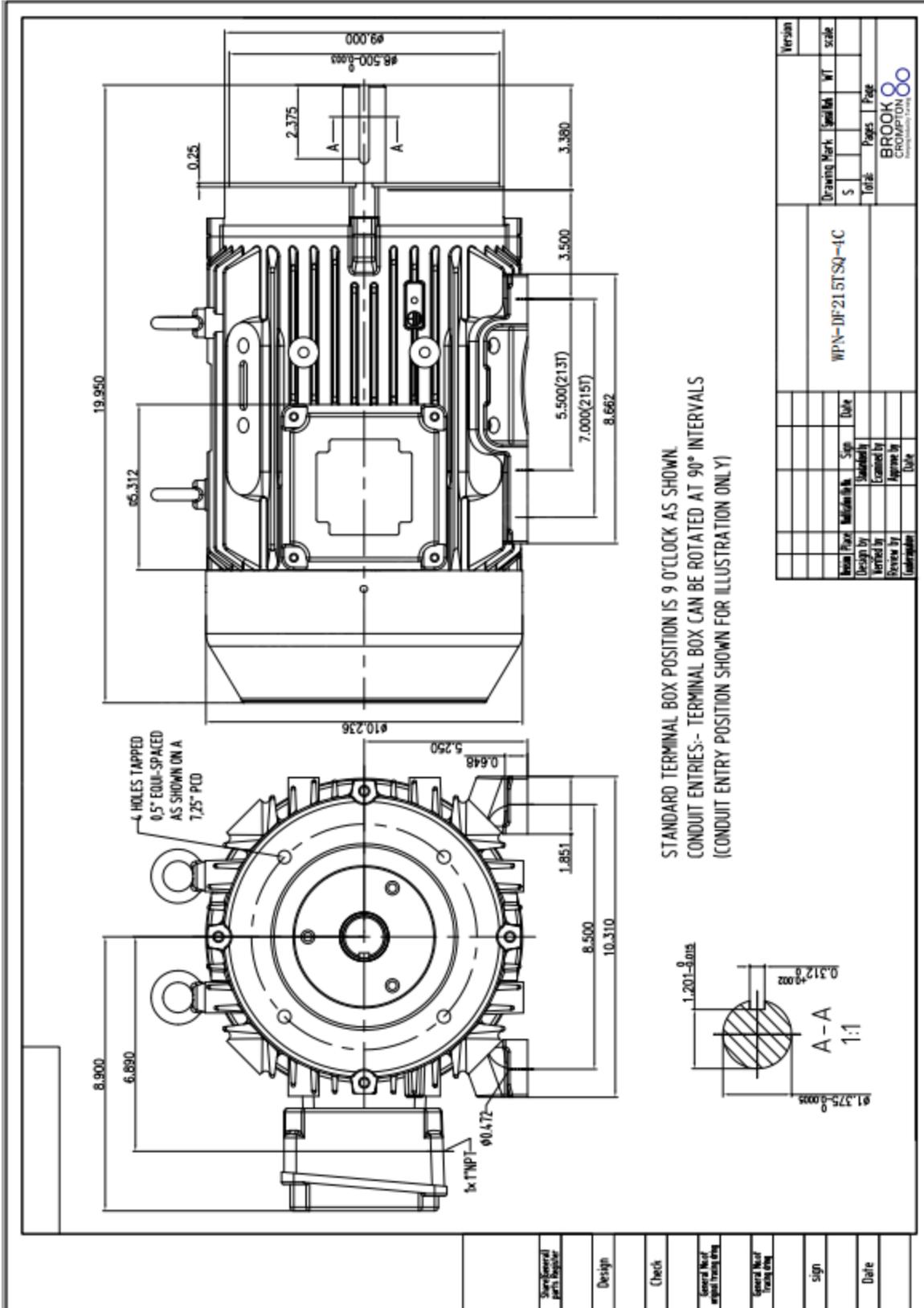
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	90.17	91.09	91.70	91.89	91.23	87.58
% PF	85.11	84.77	84.05	80.88	73.00	51.93
AMPS(460V)	18.42	15.25	12.22	9.51	7.08	5.19

TORQUE(FL) LB-FT 40.58 TORQUE(LR)%FL 200 TORQUE(BD)%FL 268
 AMPS(LR 460V) 91.5 PF AT START 26

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	1.020(0.043)
Max load inertia: Lb-Ft ² (Kg-m ²):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	9.5
Safe stall time (sec): Cold/Hot	37/15





Version									
Drawing Mark	Scale	WT	Scale						
S									
Total		Pages	1	Page					
WPN-DP-21.5T5Q-1C BROOK CROMPTON Keeping Industry Turning									
Design by	Checked by	Drawn by	Sign	Date					
Verified by	Controlled by	Approved by							
Reviewed by	Under review								

Marks:

Connection Diagram

