



Product Information Packet

February 5, 2024

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

Model Number:	WPN-DF182TSP-4
Catalog Number:	BC4N003V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER: BC4N003V4
Outline Drawing: See Page 3
Connection Diagram: See Page 4
Design Code: B
Type: KS
Frame: 182T
Phases: 3
Poles: 4
Output Power: 3HP
RPM: 1765
Voltage: 208-230/460
Hertz: 60
Amps - FL: 7.81/3.91
Service Factor: 1.25@60Hz
Alt Service Factor: 1.15

Estimated Weight: 90 Lbs
Time Rating: S1
Enclosure: TEFC
Encl Construction: GP
Ambient Max(°C): 40
Alt Ambient Max(°C): 40
Insulation Class: F
NEMA Design: B
Nominal Efficiency: 89.5 %
Guaranteed Efficiency: 87.5 %
3/4 Load Efficiency: 90.5 %
KVA Code: J
Max KVAR: 8
Power Factor: 79%
Bearing - DE: 6206-ZZC3
Bearing - ODE: 6205-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 9.27/4.64AMPS
 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

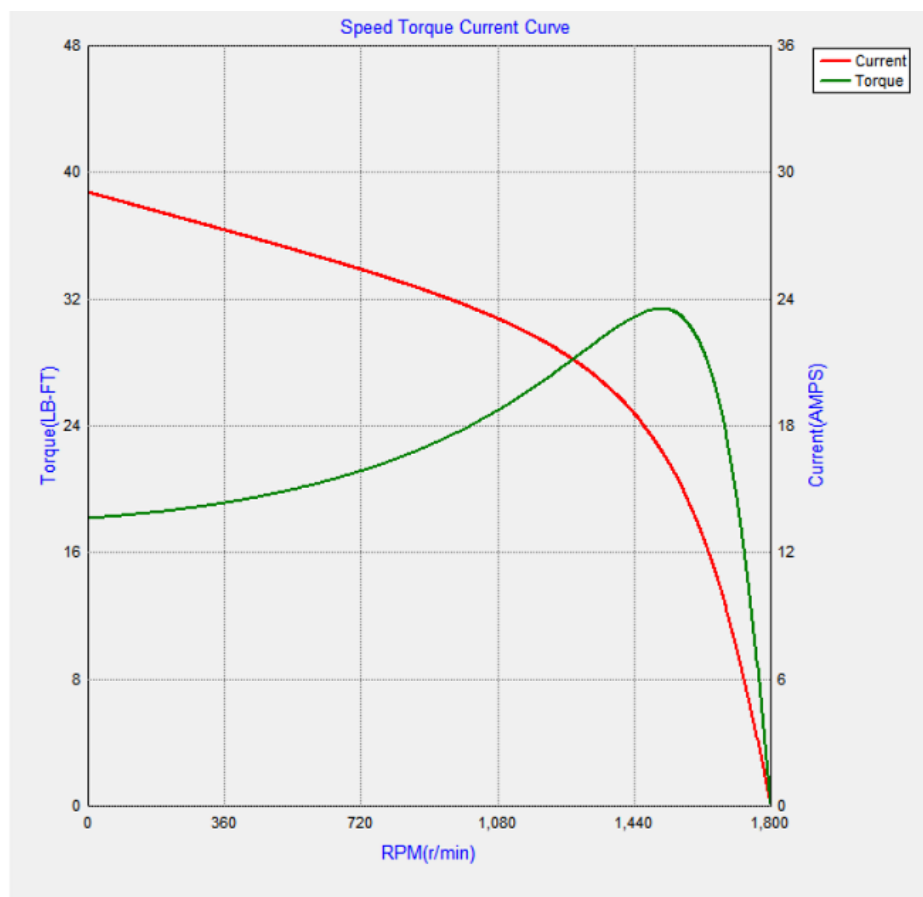
Performance Characteristics**Marks:**

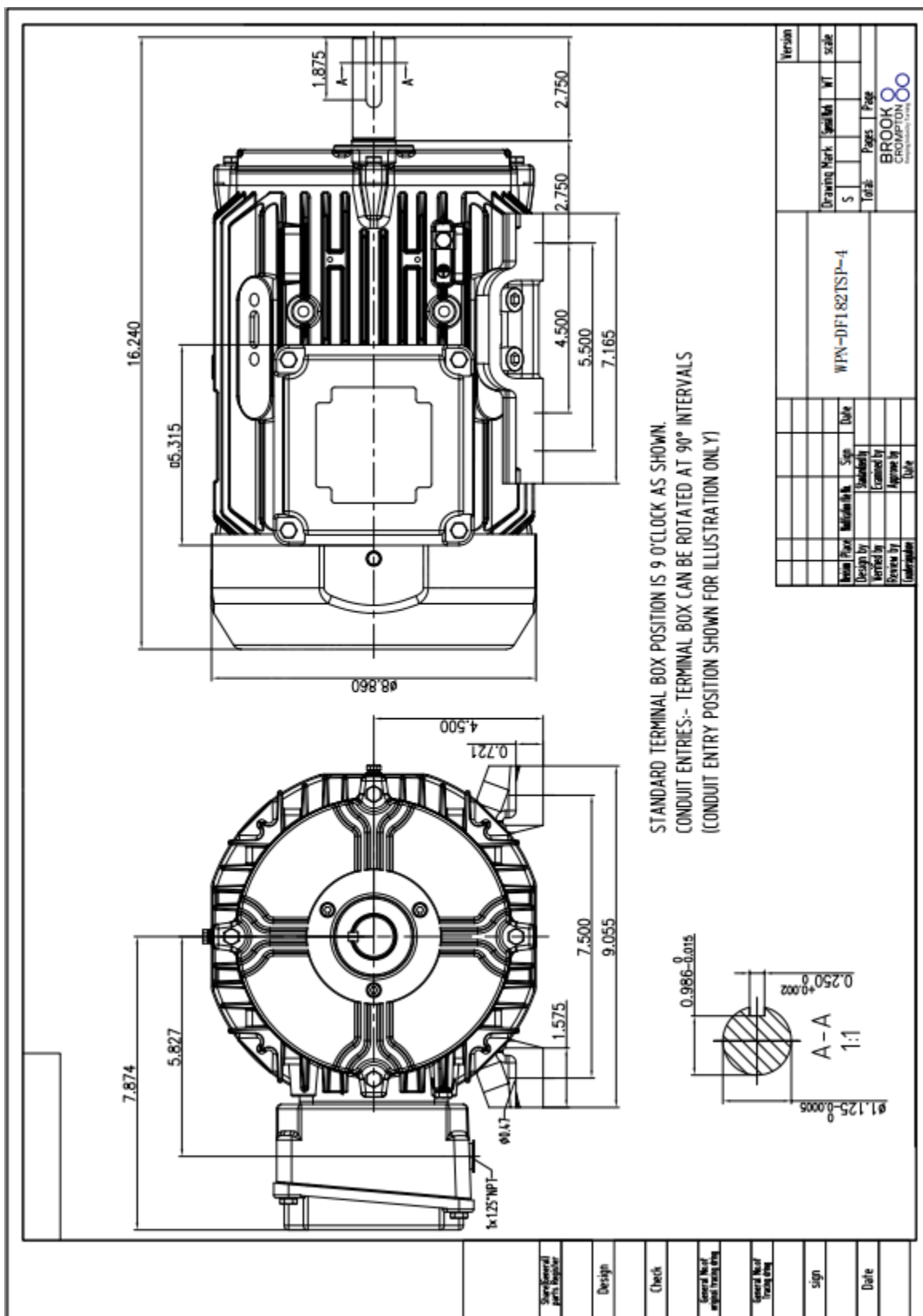
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	88.99	89.98	90.57	90.51	89.10	83.25
% PF	84.72	83.26	79.79	72.99	60.74	40.12
AMPS(460V)	5.494	4.607	3.821	3.135	2.551	2.067

TORQUE(FL) LB-FT 11.90 TORQUE(LR)%FL 210 TORQUE(BD)%FL 310
 AMPS(LR 460V) 32.27 PF AT START 18

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	0.317(0.013)
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):	7.0
Safe stall time (sec): Cold/Hot	41/16





Marks:

Connection Diagram

