



Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF445TSQ-4
Catalog Number:	BC4N150V9
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4N150V9	Estimated Weight:	1896 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:	445TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	150HP	Nominal Efficiency:	95.8%
RPM:	1785	Guaranteed Efficiency:	95.0%
Voltage:	460	3/4 Load Efficiency:	95.8%
Hertz:	60	KVA Code:	F
Amps - FL:	168	Max KVAR:	5.6
Service Factor:	1.25@60Hz	Power Factor:	86%
Alt Service Factor:	1.15	Bearing - DE:	6319-C3
		Bearing - ODE:	6319-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:

400V

194AMPS

RPM 1485

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

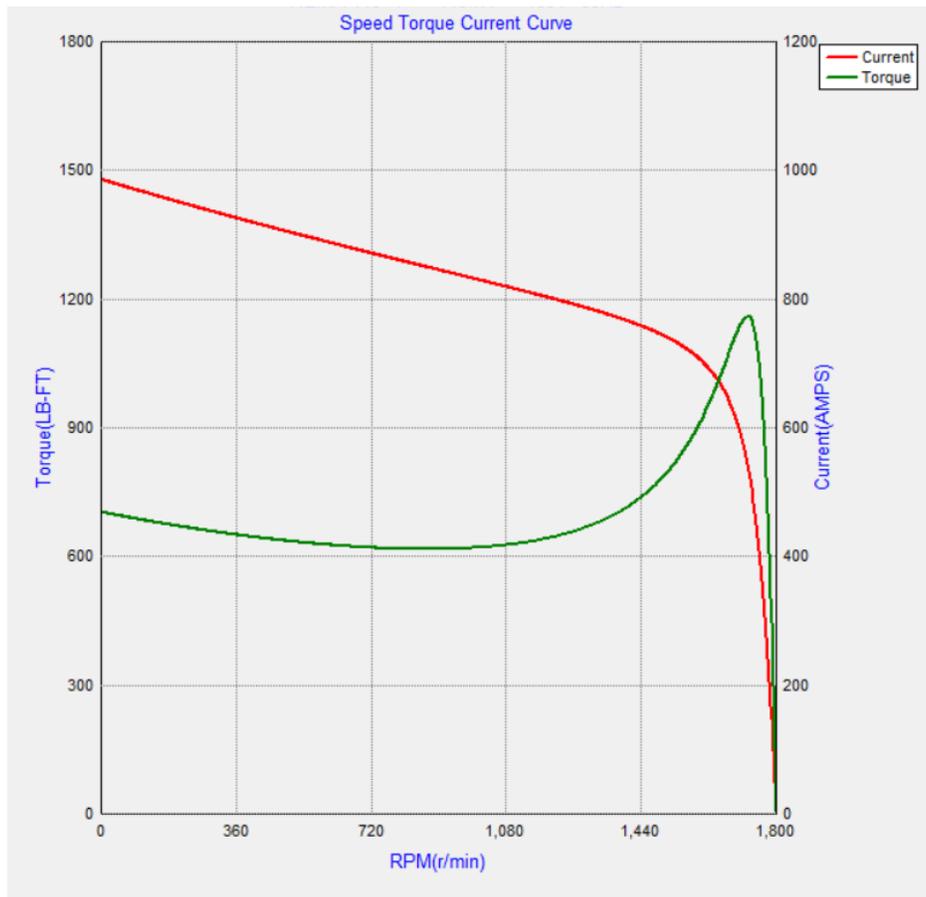
Marks:

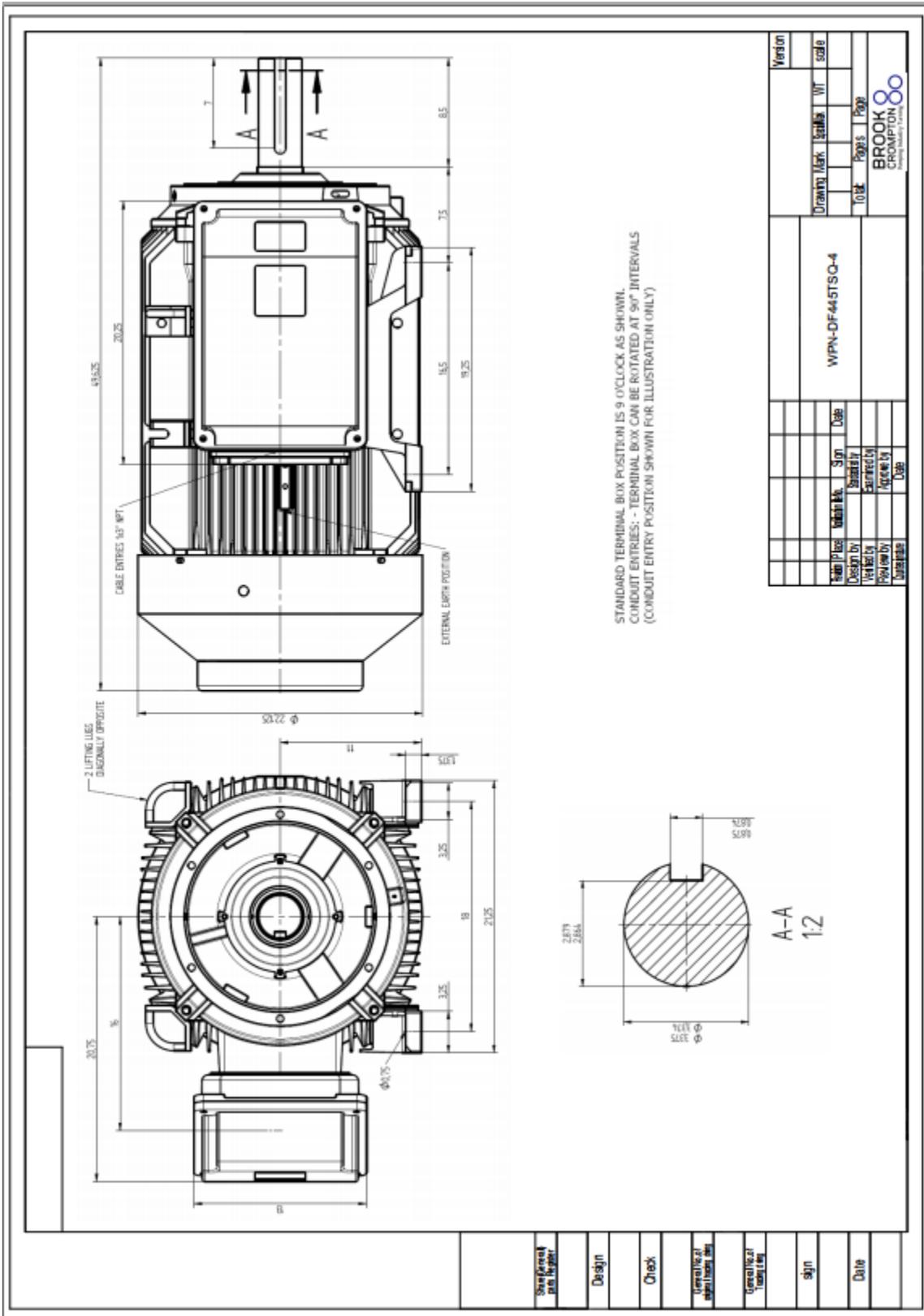
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	95.4	95.8	96.0	96.1	95.8	94.2
% PF	85.5	85.9	85.3	83.0	76.4	56.1
AMPS(460V)	254	210	169	130	94.3	65.3

TORQUE(FL) LB-FT 589 TORQUE(LR)%FL 163 TORQUE(BD)%FL 266
 AMPS(LR 460V) 1026 PF AT START 27

Other Useful Information for Application:

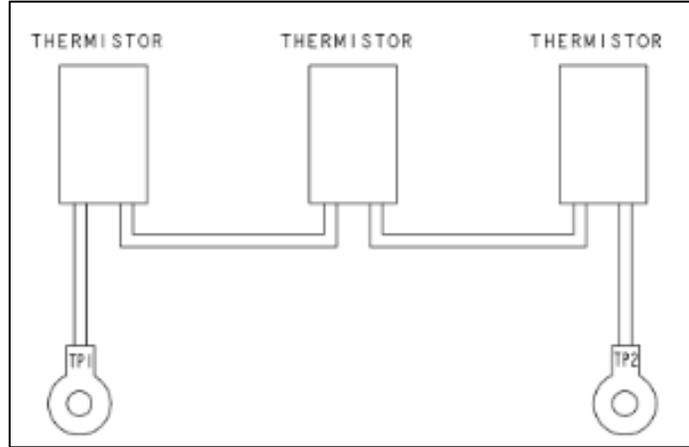
Rotor Inertia: Lb-Ft ² (Kg-m ²):	50.1(2.10)
Max load inertia: Lb-Ft ² (Kg-m ²):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	25
Safe stall time (sec): Cold/Hot	46/26





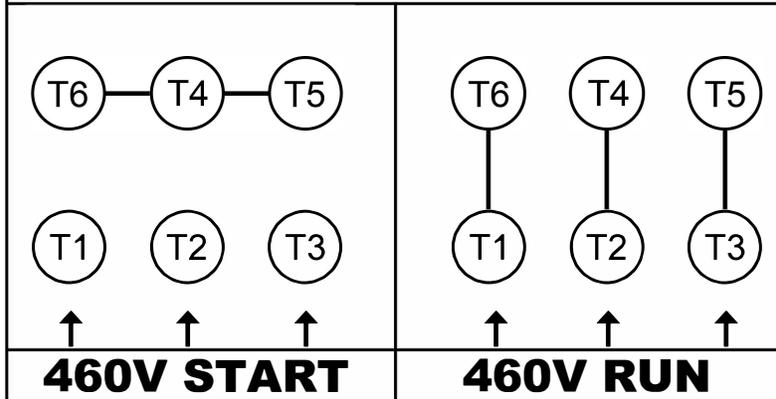
Marks:

Thermistor Connection



6 LEAD CONNECTION - NEMA

**FOR WYE DELTA STARTER CONNECT
STAR START - DELTA RUN**



DIRECT ON LINE

