

Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF444TSK-4
Catalog Number:	BC4N125V9
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04

Marks:

MODEL NUMBER:	BC4N125V9	Estimated Weight:	1512 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:	444TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	125HP	Nominal Efficiency:	95.4 %
RPM:	1780	Guaranteed Efficiency:	94.5 %
Voltage:	460	3/4 Load Efficiency:	95.6 %
Hertz:	60	KVA Code:	E
Amps - FL:	138	Max KVAR:	5
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
 159AMPS
 RPM 1480
 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

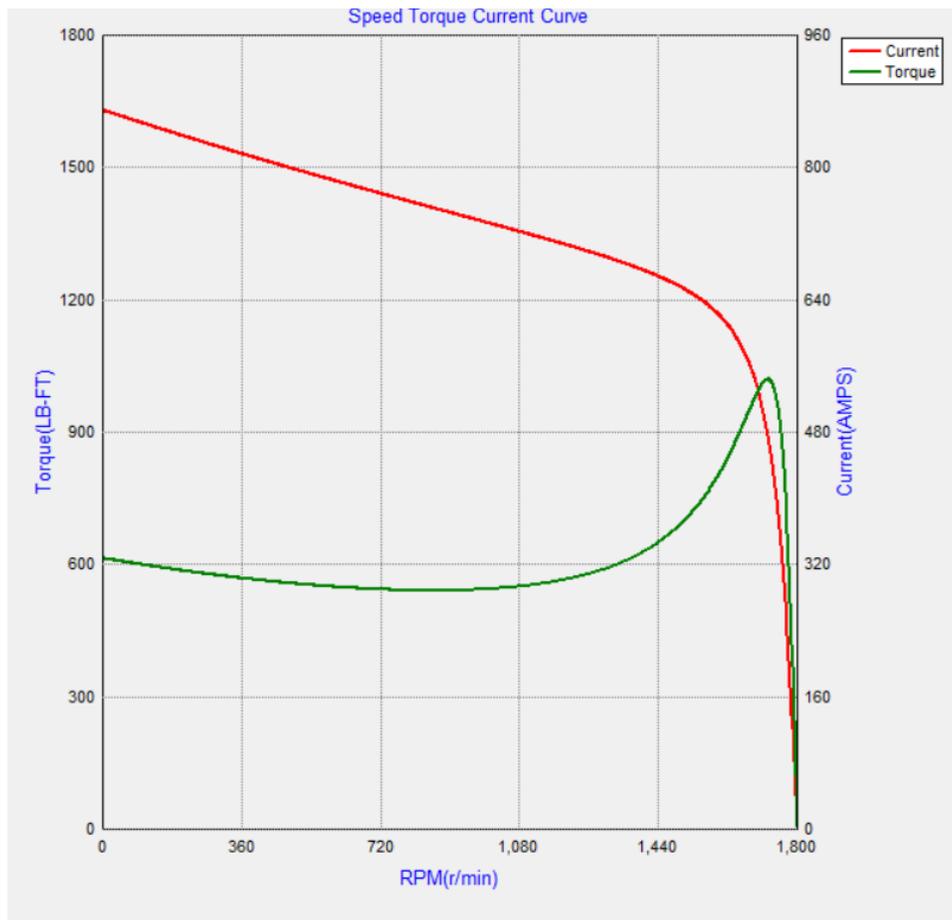
Marks:

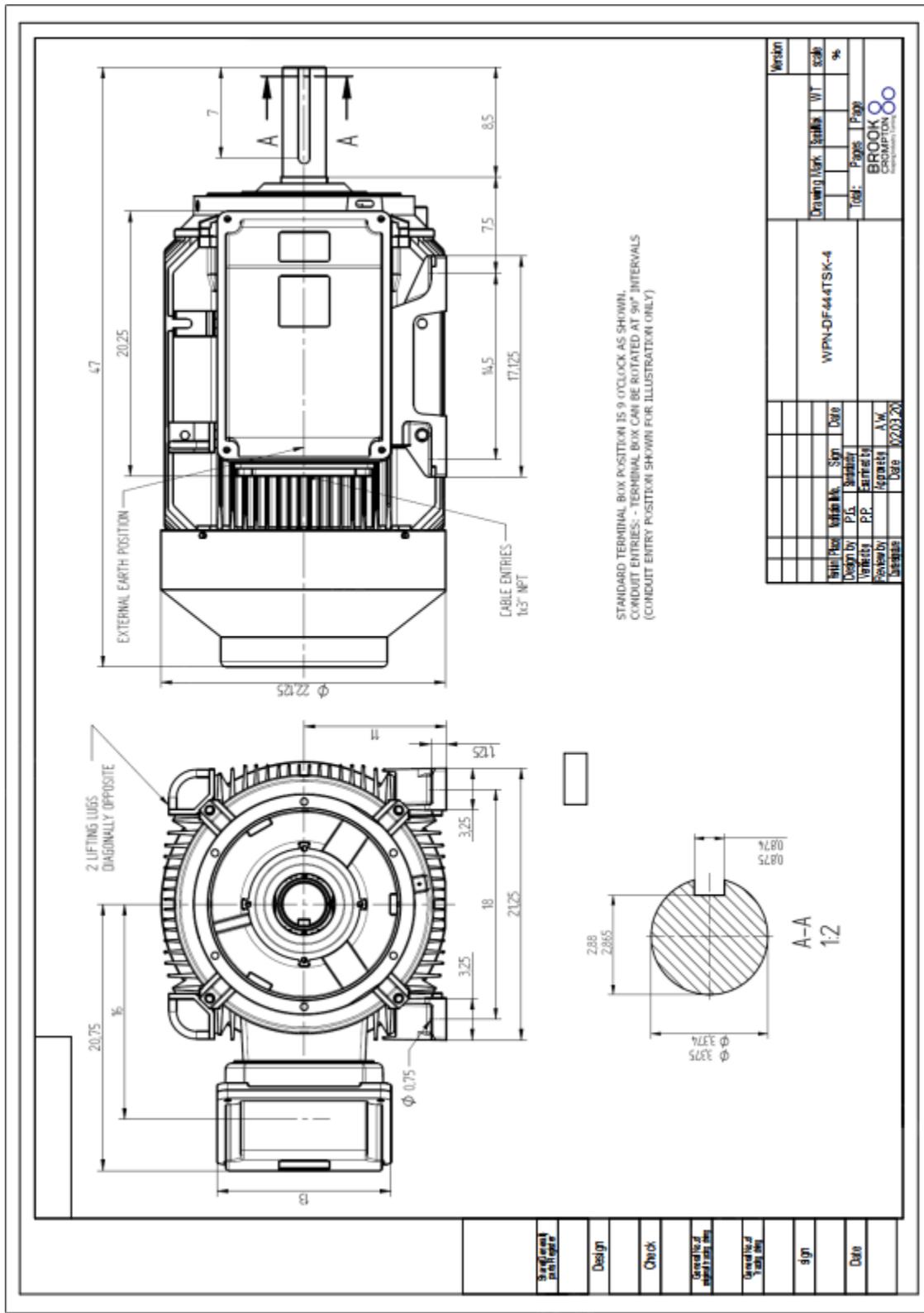
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	95.3	95.6	95.8	95.8	95.5	93.7
% PF	85.5	85.5	84.5	81.5	73.7	52.1
AMPS(460V)	208	173	140	109	80	57.9

TORQUE(FL) LB-FT 483 TORQUE(LR)%FL 173 TORQUE(BD)%FL 286
 AMPS(LR 460V) 906 PF AT START 24

Other Useful Information for Application:

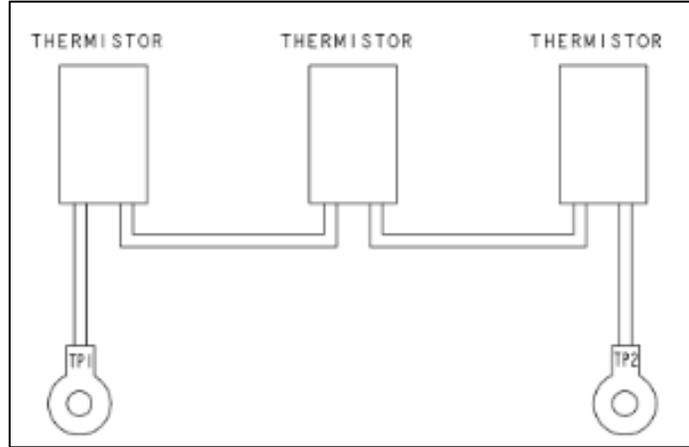
Rotor Inertia: Lb-Ft ² (Kg-m ²):	41.0(1.72)
Max load inertia: Lb-Ft ² (Kg-m ²):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	23
Safe stall time (sec): Cold/Hot	48/25





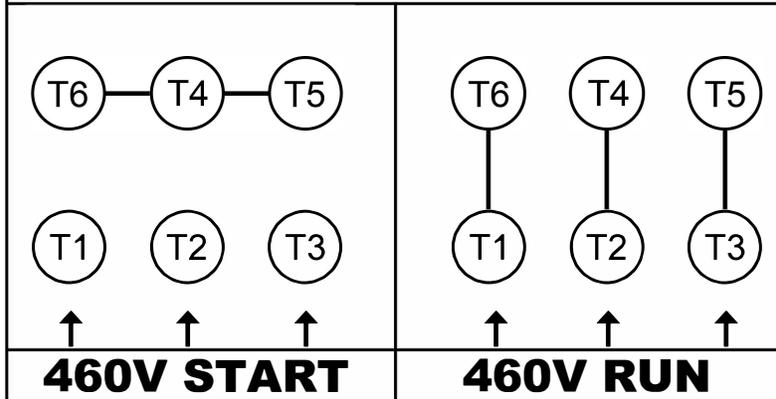
Marks:

Thermistor Connection



6 LEAD CONNECTION - NEMA

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



DIRECT ON LINE

