

Product Information Packet

April 9, 2025

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

Model Number:	WPN-DF445TSL-2
Catalog Number:	BC2N150V9C
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC2N150V9C	Estimated Weight:	1896Lbs
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:	2	NEMA Design:	B
Output Power:	150HP	Nominal Efficiency:	95.0 %
RPM:	3575	Guaranteed Efficiency:	94.1 %
Voltage:	460	3/4 Load Efficiency:	95.4 %
Hertz:	60	KVA Code:	G
Amps - FL:	160	Max KVAR:	6.3
Service Factor:	1.25@60Hz	Power Factor:	90%
Alt Service Factor:	1.15	Bearing - DE:	6316-C3
		Bearing - ODE:	6316-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
400V
183AMPS
RPM 2975
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

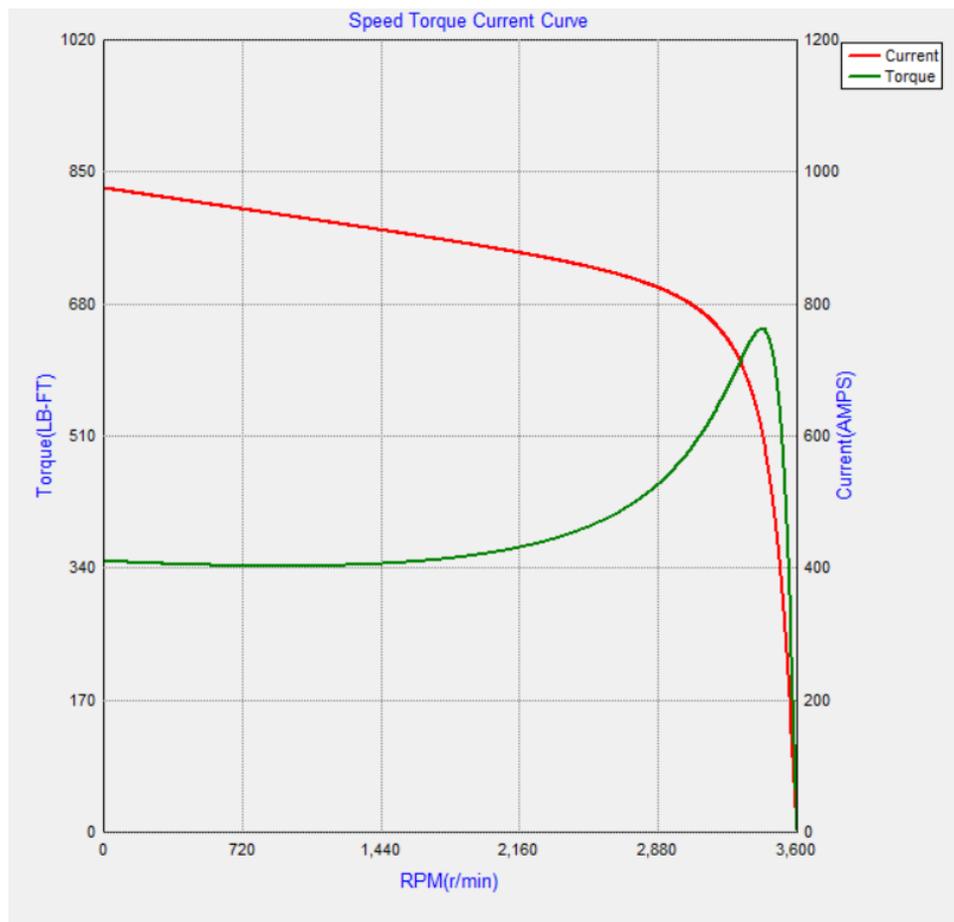
Marks:

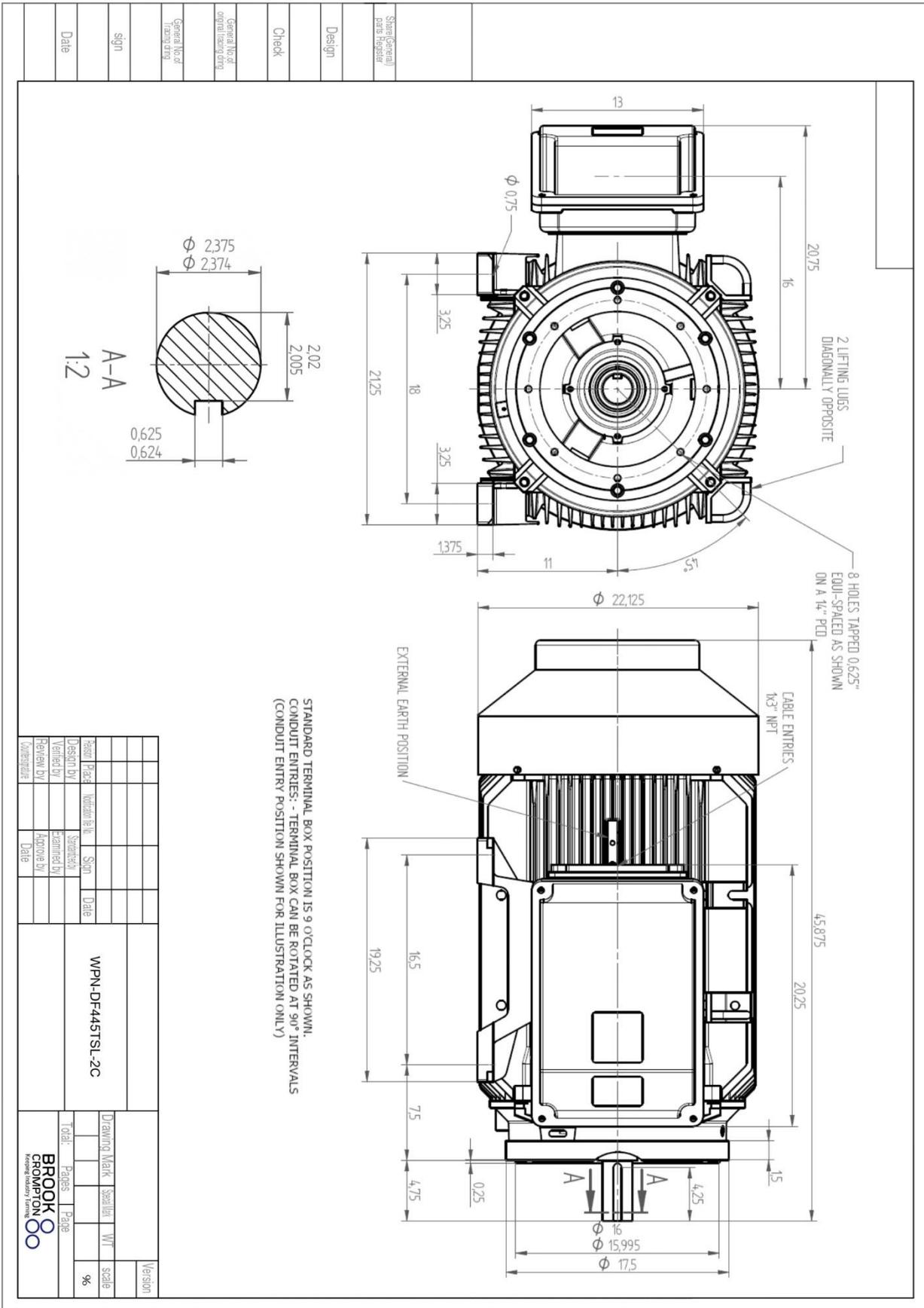
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	94.4	94.7	95.0	95.1	94.9	93.4
% PF	89.6	90.3	90.5	89.6	86.5	73.2
AMPS(460V)	245	202	81.1	161	122	50.5

TORQUE(FL) LB-FT 294 TORQUE(LR)%FL 162 TORQUE(BD)%FL 298
 AMPS(LR 460V) 509 PF AT START 43

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	22.9(0.962)
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	34/20



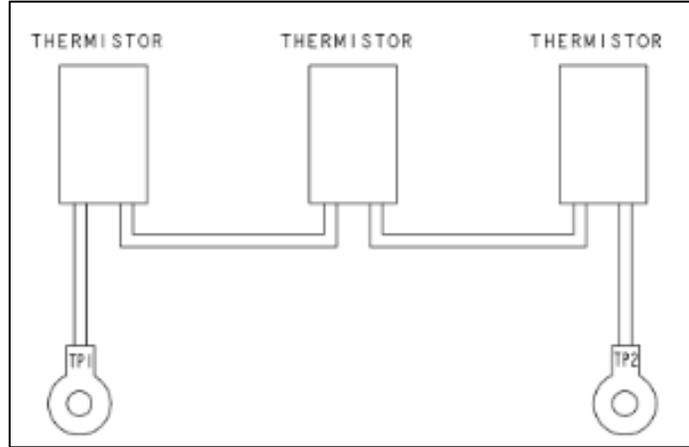


Share/General Parts Register	
Design	
Check	
General No. of original drawing	
General No. of revision	
Sign	
Date	

Version	
Scale	
WPN-DF445TSL-2C	
Design by	Sign
Checked by	Examined by
Reviewed by	Approved by
Consignee	Date
Drawing Mark	
Sheet	
WIT	
scale	
%	
BROOK CROMPTON	
Keeping Industry Turning	

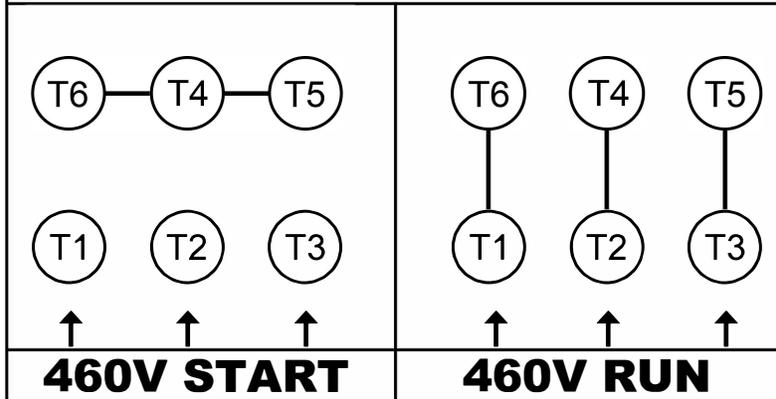
Marks:

Thermistor Connection



6 LEAD CONNECTION - NEMA

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



DIRECT ON LINE

