

Product Information Packet

February 5, 2024

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

Model Number:	WPN-DF284TSW-4
Catalog Number:	BC4N025V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4N025V4	Estimated Weight:	315 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:	284T	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	25HP	Nominal Efficiency:	93.6 %
RPM:	1770	Guaranteed Efficiency:	92.4 %
Voltage:	208-230/460	3/4 Load Efficiency:	93.81 %
Hertz:	60	KVA Code:	H
Amps - FL:	57.0/28.5	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	87%
Alt Service Factor:	1.15	Bearing - DE:	6310-ZZC3
		Bearing - ODE:	6308-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 66.3/33.2AMPS
 RPM 1475
 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

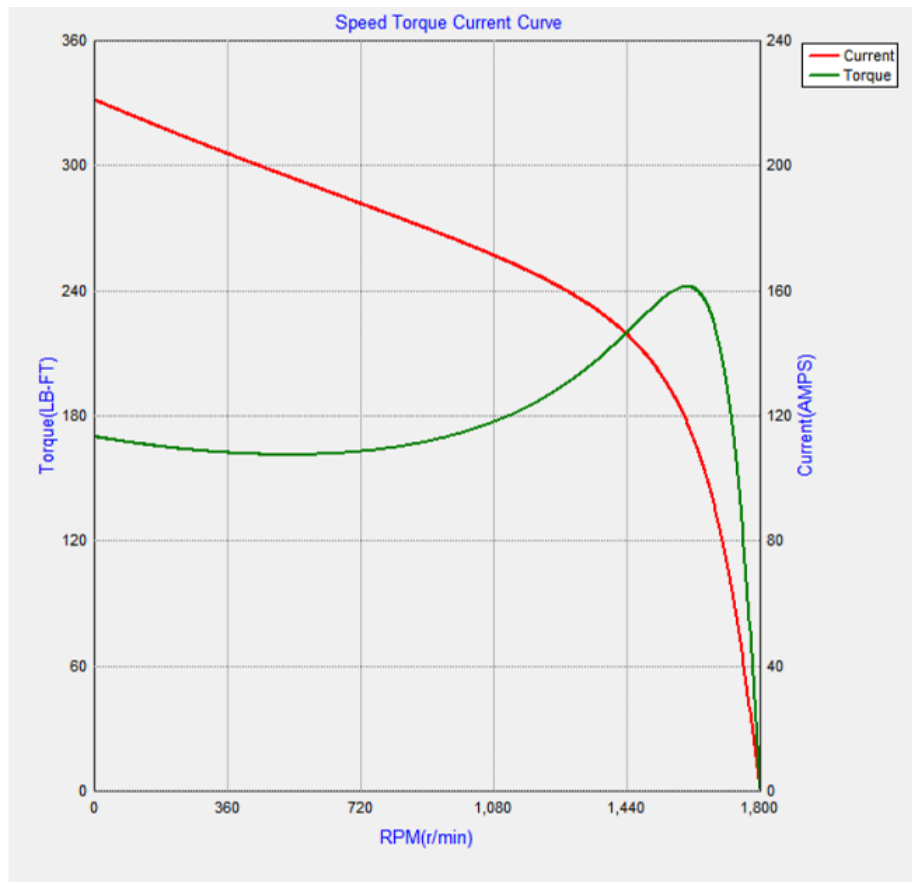
Marks:

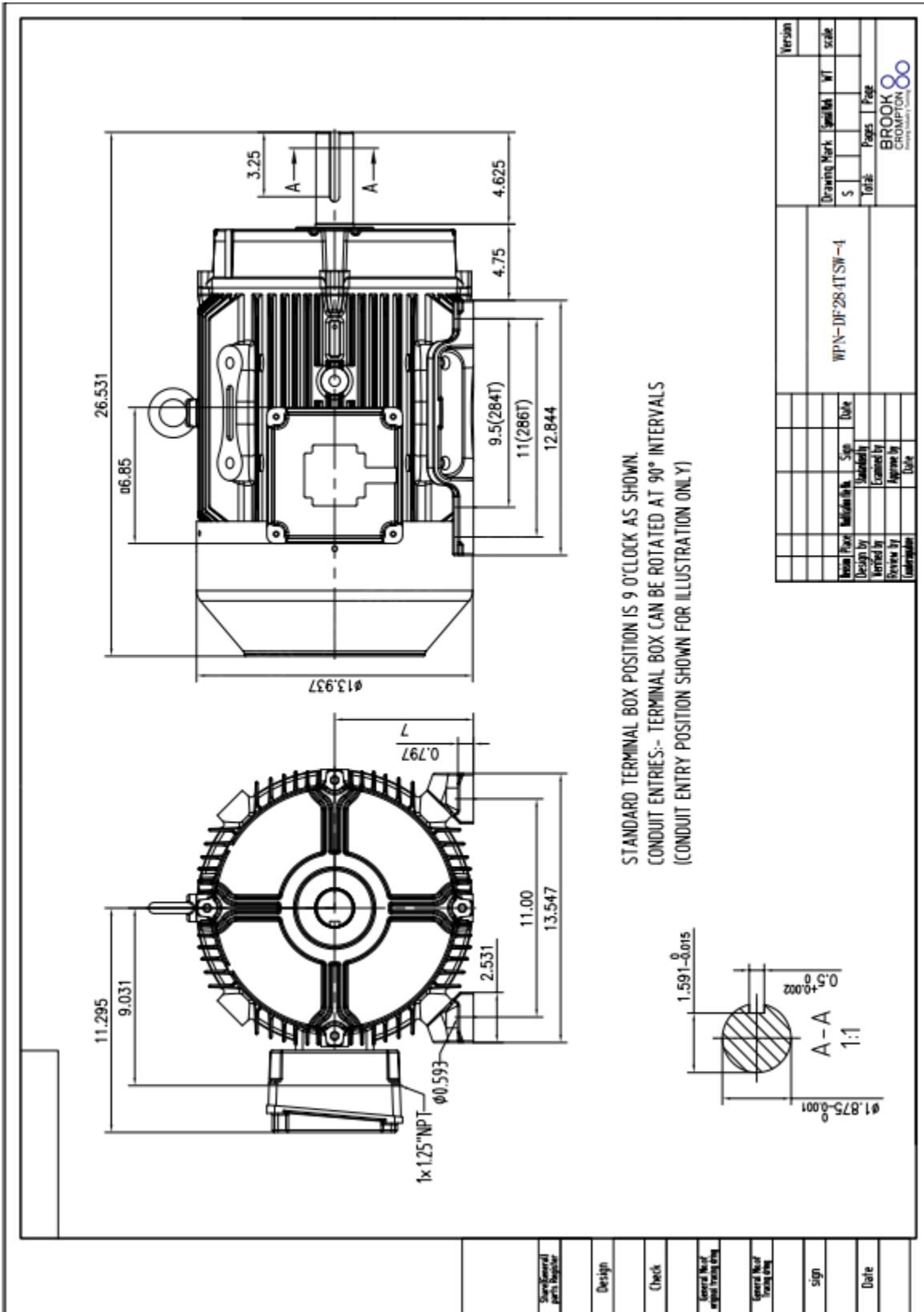
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	92.24	93.04	93.61	93.81	93.19	89.71
% PF	88.91	88.78	87.39	83.60	75.04	55.91
AMPS(460V)	42.47	35.14	28.39	22.21	16.60	11.58

TORQUE(FL) LB-FT 99.8 TORQUE(LR)%FL 225 TORQUE(BD)%FL 323
 AMPS(LR 460V) 284 PF AT START 26

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	4.710(0.198)
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):	12.6
Safe stall time (sec): Cold/Hot	38/15





Version									
Drawing Mark	Issued	WT	scale						
S									
Total	Pages	Page							
WPN-DF-28-IT-SW-1 									
Drawn By	Checked By	Designed By	Reviewed By	Approved By	Sign	Scale	Date		

Marks:

Connection Diagram

Thermistor Connection 235A3027VD

