

Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF365TSW-4
Catalog Number:	BC4N075V4
Connection Diagram:	See Page 4
Outline Drawing:	See Page 3

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Marks:

MODEL NUMBER:	BC4N075V4	Estimated Weight:	1050 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:	365TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	75HP	Nominal Efficiency:	95.4 %
RPM:	1780	Guaranteed Efficiency:	94.5 %
Voltage:	208-230/460	3/4 Load Efficiency:	95.4 %
Hertz:	60	KVA Code:	H
Amps - FL:	163/81.3	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	89%
Alt Service Factor:	1.15	Bearing - DE:	6316-C3
		Bearing - ODE:	6314-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 189/94.3AMPS
 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

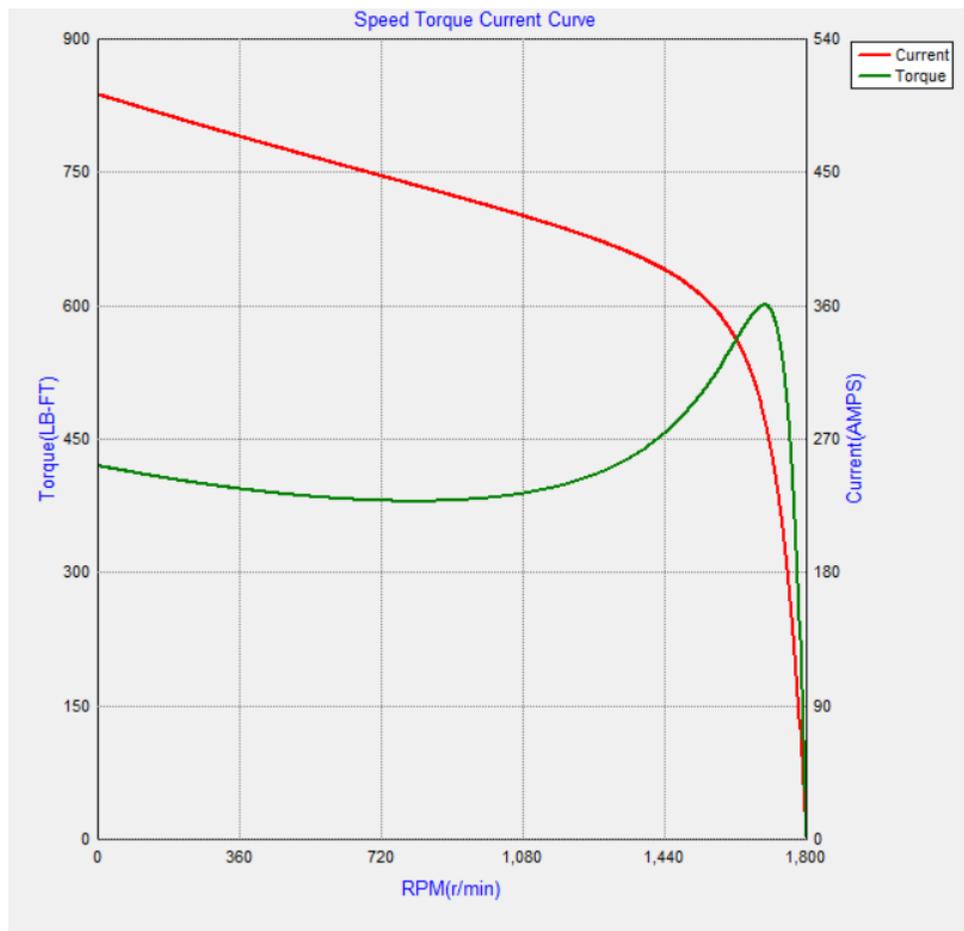
Marks:

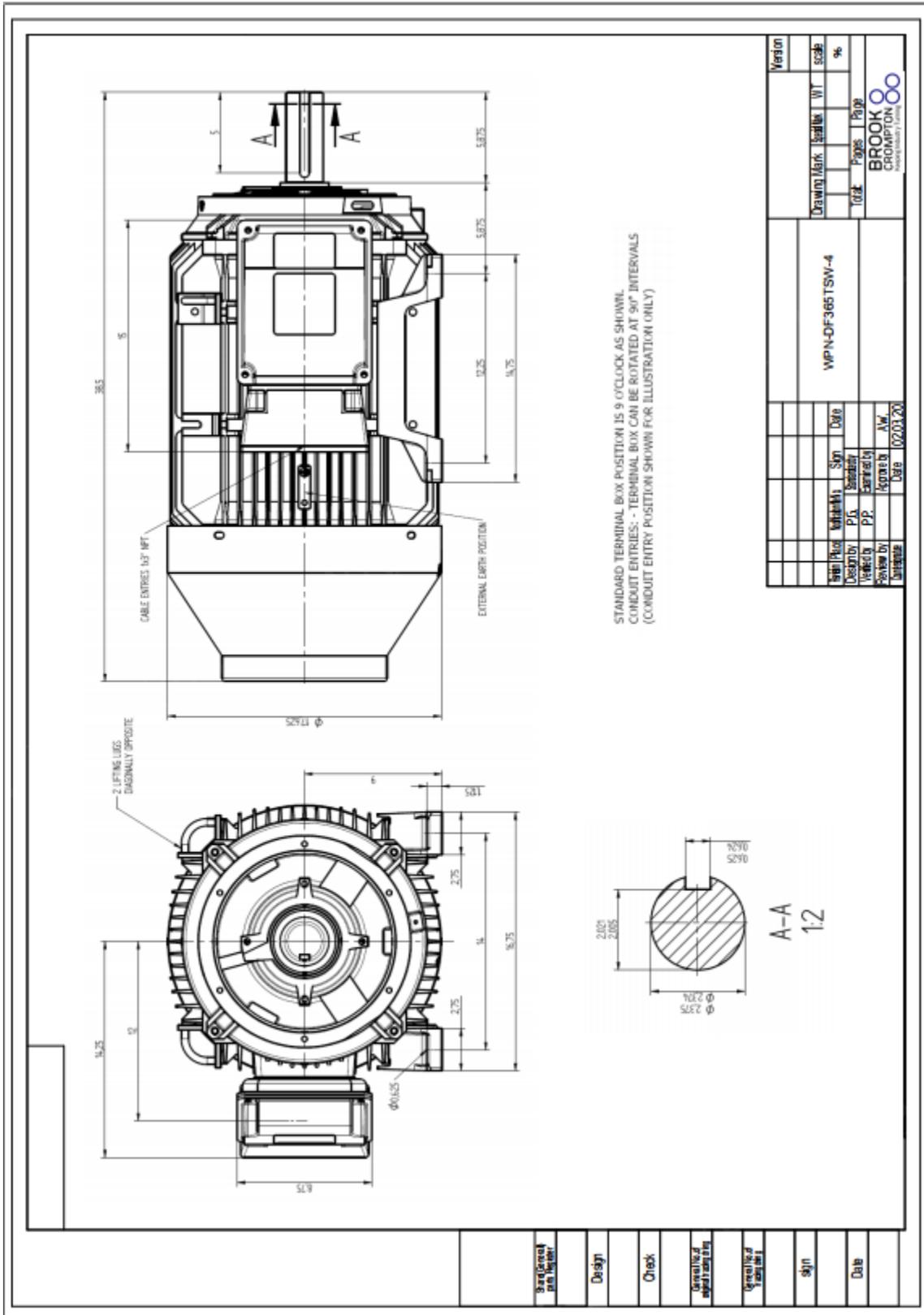
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	94.4	95.0	95.4	95.6	95.5	94.0
% PF	87.3	87.8	87.6	85.8	80.3	61.8
AMPS(460V)	126	103	82.6	63.1	45.0	29.7

TORQUE(FL) LB-FT 295 TORQUE(LR)%FL 194 TORQUE(BD)%FL 274
 AMPS(LR 460V) 520 PF AT START 32

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	19.1(0.801)
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):	18.8
Safe stall time (sec): Cold/Hot	48/20





Version	Drawn	Mark	Revised	WT	Scale	%
WPN-DF365TSW-4						
Rev	Proc	Appr	Rev	Appr	Rev	Appr
Design	Check	Draw	Design	Check	Draw	Design
By	By	By	By	By	By	By
Date	Date	Date	Date	Date	Date	Date
APPROVED			APPROVED			
DATE			DATE			
BY			BY			
DATE			DATE			

Marks:

Connection Diagram

Thermistor Connection

