

Product Information Packet

February 5, 2024

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

Model Number:	WPN-DF254TSN-4
Catalog Number:	BC4N015V4
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:	BC4N015V4	Estimated Weight:	280 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:	254T	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	4	NEMA Design:	B
Output Power:	15HP	Nominal Efficiency:	92.4 %
RPM:	1765	Guaranteed Efficiency:	91.0 %
Voltage:	208-230/460	3/4 Load Efficiency:	92.78%
Hertz:	60	KVA Code:	G
Amps - FL:	35.2/17.6	Max KVAR:	6.3
Service Factor:	1.25@60Hz	Power Factor:	85%
Alt Service Factor:	1.15	Bearing - DE:	6309-ZZC3
		Bearing - ODE:	6307-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 40.9/20.4AMPS
 RPM 1470
 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

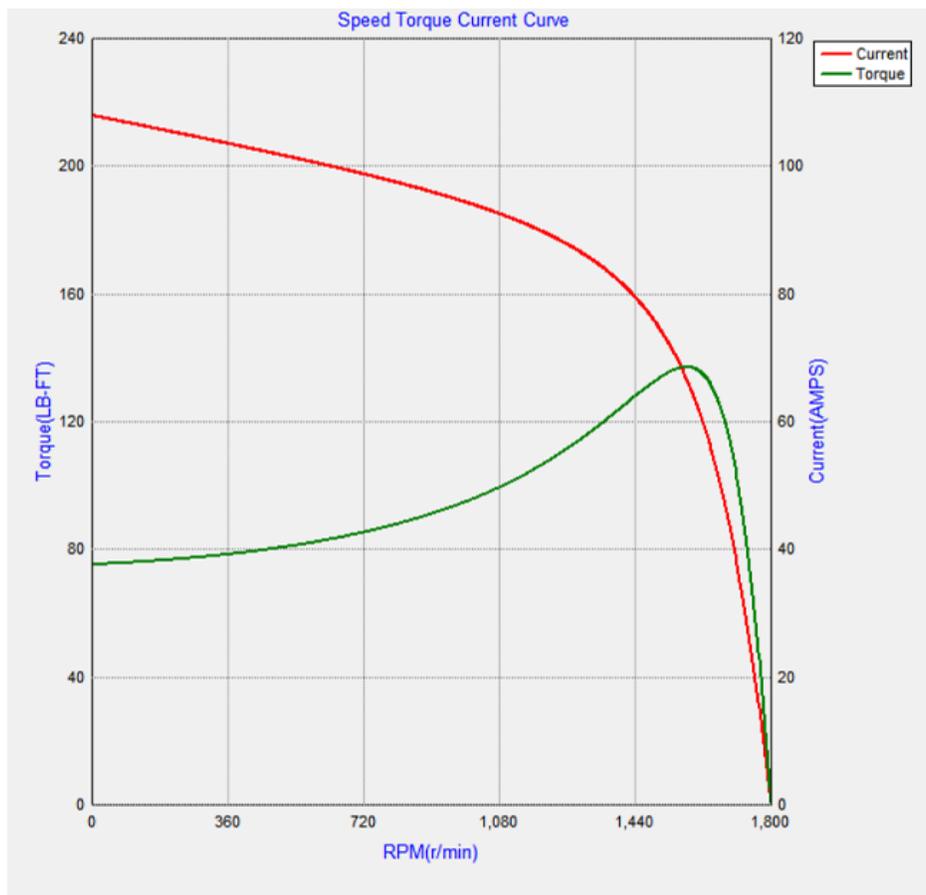
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	90.77	91.80	92.52	92.78	92.05	88.01
% PF	87.30	87.32	85.87	81.56	71.81	51.22
AMPS(460V)	26.13	21.53	17.38	13.68	10.44	7.66

TORQUE(FL) LB-FT 59.52 TORQUE(LR)%FL 200 TORQUE(BD)%FL 310
 AMPS(LR 460V) 120 PF AT START 24

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	2.580(0.108)
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):	10.6
Safe stall time (sec): Cold/Hot	53/21



Marks:

Connection Diagram

Thermistor Connection
235A3027VD

