

Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF405TSK-2
Catalog Number:	BC2N100V4
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:	BC2N100V4	Estimated Weight:	1384Lbs
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:	405TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	2	NEMA Design:	B
Output Power:	100HP	Nominal Efficiency:	94.1 %
RPM:	3580	Guaranteed Efficiency:	93.0 %
Voltage:	208-230/460	3/4 Load Efficiency:	94.2 %
Hertz:	60	KVA Code:	H
Amps - FL:	230/115	Max KVAR:	7.1
Service Factor:	1.25@60Hz	Power Factor:	87%
Alt Service Factor:	1.15	Bearing - DE:	6314-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
 263/131AMPS
 RPM 2980
 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

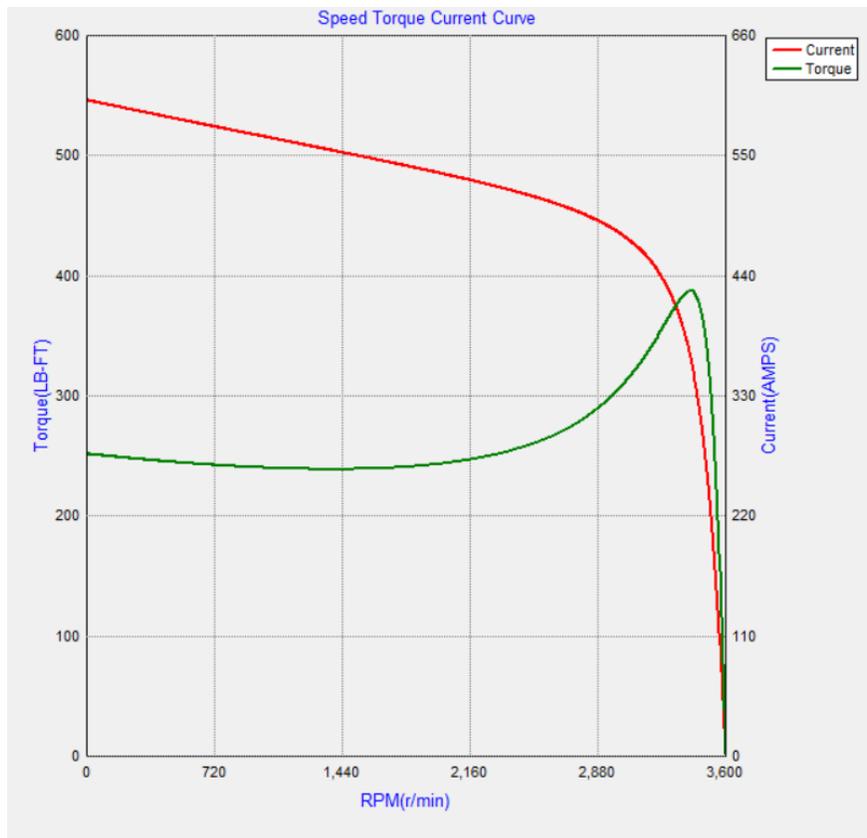
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	93.4	93.9	94.2	94.4	94.1	92.3
% PF	88.1	89.1	89.5	88.8	85.6	72.2
AMPS(460V)	172	141	112	84.2	58.4	35.3

TORQUE(FL) LB-FT 200 TORQUE(LR)%FL 171 TORQUE(BD)%FL 261
 AMPS(LR 460V) 624 PF AT START 41

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	13.8(0.579)
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):	21.3
Safe stall time (sec): Cold/Hot	31/18



Marks:

Connection Diagram

Thermistor Connection

