



Product Information Packet

April 1, 2024

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

Model Number:	WPN-DF444TSN-6
Catalog Number:	BC6N100V4
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:	BC6N100V4	Estimated Weight:	1512 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:	444TS	Alt Ambient Max(°C):	40
Phases:	3	Insulation Class:	F
Poles:	6	NEMA Design:	B
Output Power:	100HP	Nominal Efficiency:	94.4 %
RPM:	1185	Guaranteed Efficiency:	94.1 %
Voltage:	208-230/460	3/4 Load Efficiency:	95.0 %
Hertz:	60	KVA Code:	T
Amps - FL:	237/118	Max KVAR:	20
Service Factor:	1.25@60Hz	Power Factor:	84%
Alt Service Factor:	1.15	Bearing - DE:	6319-C3
		Bearing - ODE:	6319-C3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 272/136AMPS
 RPM 985
 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

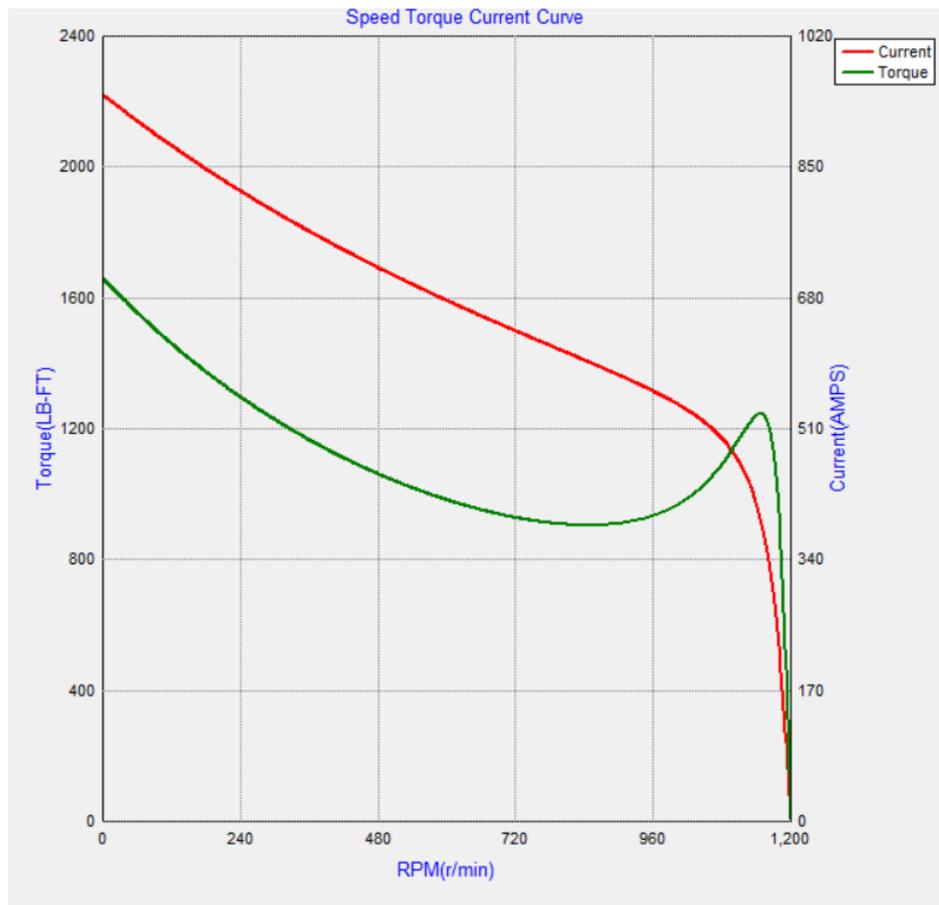
Marks:

LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	94.6	95.0	95.2	95.1	94.5	92.0
% PF	84	83.8	82.4	78.8	70.0	47.8
AMPS(460V)	175	148	120	94.2	71.2	53.5

TORQUE(FL) LB-FT 604 TORQUE(LR)%FL 375 TORQUE(BD)%FL 277
 AMPS(LR 460V) 982 PF AT START 22

Other Useful Information for Application:

Rotor Inertia: Lb-Ft ² (Kg-m ²):	96.5(4.05)
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	30/12



Marks:

Connection Diagram

Thermistor Connection

