

Product Information Packet

February 5, 2024

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

| | |
|----------------------------|------------------------|
| Model Number: | WPN-DF182TSC-2C |
| Catalog Number: | BC2N003V4C |
| Connection Diagram: | See Page 4 |
| Outline Drawing: | See Page 3 |

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Marks:

| | | | |
|----------------------------|-------------|-------------------------------|-----------|
| MODEL NUMBER: | BC2N003V4C | Estimated Weight: | 100 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: | 182TC | Alt Ambient Max(°C): | 40 |
| Phases: | 3 | Insulation Class: | F |
| Poles: | 2 | NEMA Design: | B |
| Output Power: | 3HP | Nominal Efficiency: | 86.5 % |
| RPM: | 3500 | Guaranteed Efficiency: | 84.0 % |
| Voltage: | 208-230/460 | 3/4 Load Efficiency: | 87.7 % |
| Hertz: | 60 | KVA Code: | G |
| Amps - FL: | 7.09/3.55 | Max KVAR: | 6.3 |
| Service Factor: | 1.25@60Hz | Power Factor: | 90% |
| Alt Service Factor: | 1.15 | Bearing - DE: | 6206-ZZC3 |
| | | Bearing - ODE: | 6205-ZZC3 |

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 8.22/4.11AMPS
 RPM 2915
 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

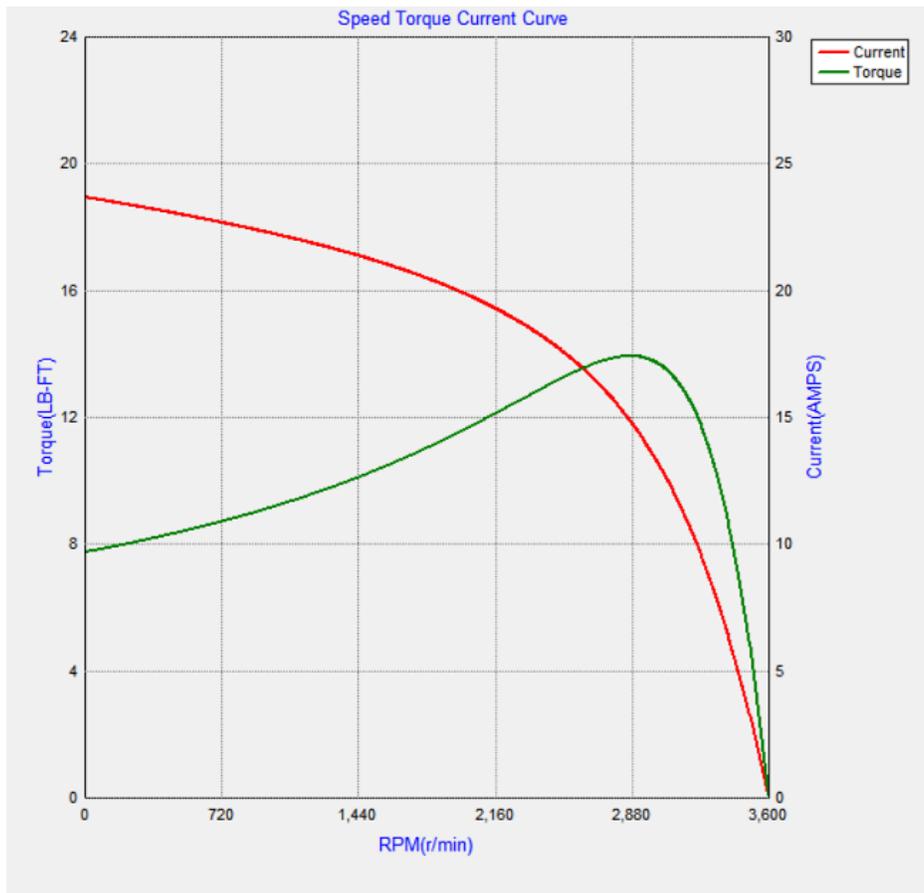
Marks:

| LOAD % | 150.0 | 125.0 | 100.0 | 75.0 | 50.0 | 25.0 |
|------------|-------|-------|-------|-------|-------|-------|
| % EFF | 82.77 | 84.83 | 86.52 | 87.79 | 88.28 | 86.24 |
| % PF | 90.81 | 90.78 | 89.96 | 87.72 | 81.52 | 62.24 |
| AMPS(460V) | 5.51 | 4.48 | 3.55 | 2.69 | 1.92 | 1.29 |

TORQUE(FL) LB-FT 6.00 TORQUE(LR)%FL 175 TORQUE(BD)%FL 310
 AMPS(LR 460V) 24.5 PF AT START 33

Other Useful Information for Application:

| | |
|--|------------------------------------|
| Rotor Inertia: Lb-Ft ² (Kg-m ²): | 0.121(0.005) |
| 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): | 7.0 |
| Safe stall time (sec): Cold/Hot | 26/10 |



Marks:

Connection Diagram

