

Product Information Packet

April 9, 2025

45Data shown is for the current revision model #. Ensure your nameplate model # matches.

| | |
|----------------------------|-----------------------|
| Model Number: | WPN-DF324TSG-2 |
| Catalog Number: | BC2N040V4C |
| Connection Diagram: | See Page 4 |
| Outline Drawing: | See Page 3 |

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Marks:

| | | | |
|----------------------------|-------------|-------------------------------|---------|
| MODEL NUMBER: | BC2N040V4C | Estimated Weight: | 650 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: | 324T | Alt Ambient Max(°C): | 40 |
| Phases: | 3 | Insulation Class: | F |
| Poles: | 2 | NEMA Design: | B |
| Output Power: | 40HP | Nominal Efficiency: | 92.4 % |
| RPM: | 3555 | Guaranteed Efficiency: | 91.0 % |
| Voltage: | 208-230/460 | 3/4 Load Efficiency: | 92.8 % |
| Hertz: | 60 | KVA Code: | E |
| Amps - FL: | 91.6/45.8 | Max KVAR: | 5 |
| Service Factor: | 1.25@60Hz | Power Factor: | 89% |
| Alt Service Factor: | 1.15 | Bearing - DE: | 6313-C3 |
| | | Bearing - ODE: | 6313-C3 |

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

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

50HZ DATA:
 190-200/400V
 103/51.5AMPS
 RPM 2960
 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

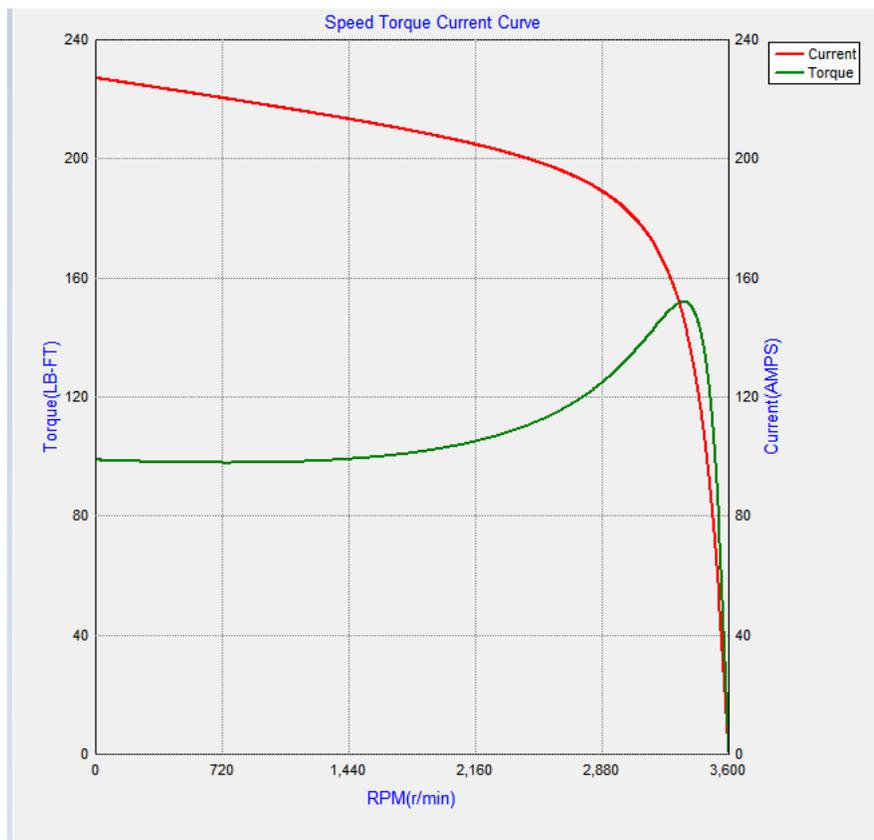
Marks:

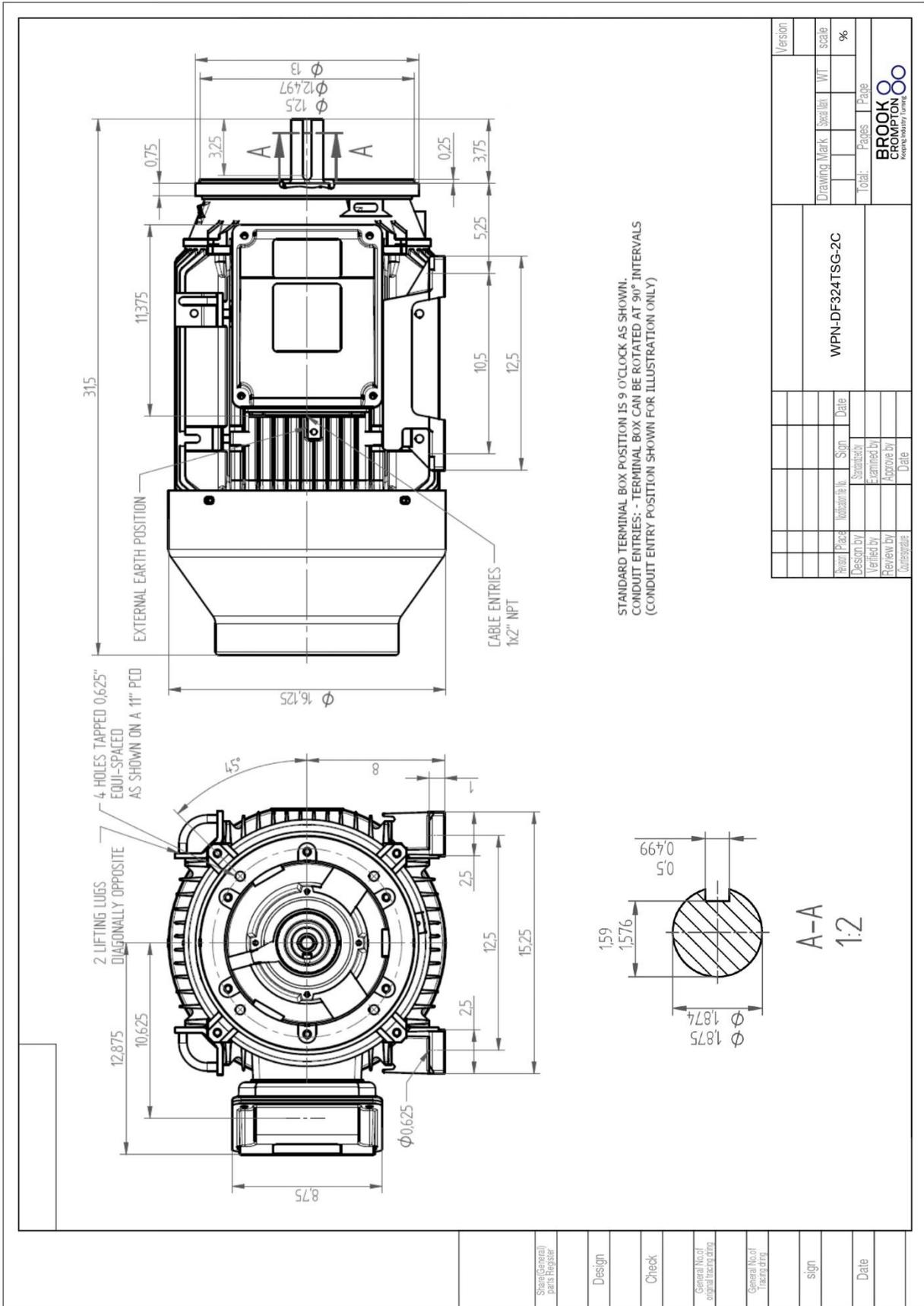
| LOAD % | 150.0 | 125.0 | 100.0 | 75.0 | 50.0 | 25.0 |
|------------|-------|-------|-------|------|------|------|
| % EFF | 90.9 | 91.8 | 92.4 | 92.8 | 92.7 | 91.1 |
| % PF | 87.6 | 88.8 | 89.0 | 88.3 | 85.2 | 70.8 |
| AMPS(460V) | 70.9 | 57.7 | 45.8 | 34.5 | 23.8 | 14.6 |

TORQUE(FL) LB-FT 80.6 TORQUE(LR)%FL 170 TORQUE(BD)%FL 250
 AMPS(LR 460V) 236 PF AT START 38

Other Useful Information for Application:

| | |
|--|------------------------------------|
| Rotor Inertia: Lb-Ft ² (Kg-m ²): | 3.607(0.152) |
| 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): | 15.0 |
| Safe stall time (sec): Cold/Hot | 46/19 |





| | | | | | | | | | |
|-----------------|--------|------|-------|--|--|--|--|--|--|
| Version | | | | | | | | | |
| Drawing Mark | Scale | WT | scale | | | | | | |
| Total | Pieces | Page | | | | | | | |
| WPN-DF324TSG-2C | | | | | | | | | |
| | | | | | | | | | |

Marks:

Connection Diagram

Thermistor Connection

