Product Information Packet

April 9, 2025

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

Model Number:	**WPN-DF326TSW-4**
Catalog Number:	**BC4N050V4C**
Connection Diagram:	**See Page 4**
Outline Drawing:	**See Page 3**

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Marks:

MODEL NUMBER:	BC4N050V4C	**Estimated Weight:**	750 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:	326T	**Alt Ambient Max(°C):**	40
Phases:	3	**Insulation Class:**	F
Poles:	4	**NEMA Design:**	B
Output Power:	50HP	**Nominal Efficiency:**	94.5 %
RPM:	1775	**Guaranteed Efficiency:**	93.6 %
Voltage:	208-230/460	**3/4 Load Efficiency:**	94.6 %
Hertz:	60	**KVA Code:**	F
Amps - FL:	113/56.5	**Max KVAR:**	5.6
Service Factor:	1.25@60Hz	**Power Factor:**	87%
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
131/65.4AMPS
RPM 1475
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

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Performance Characteristics

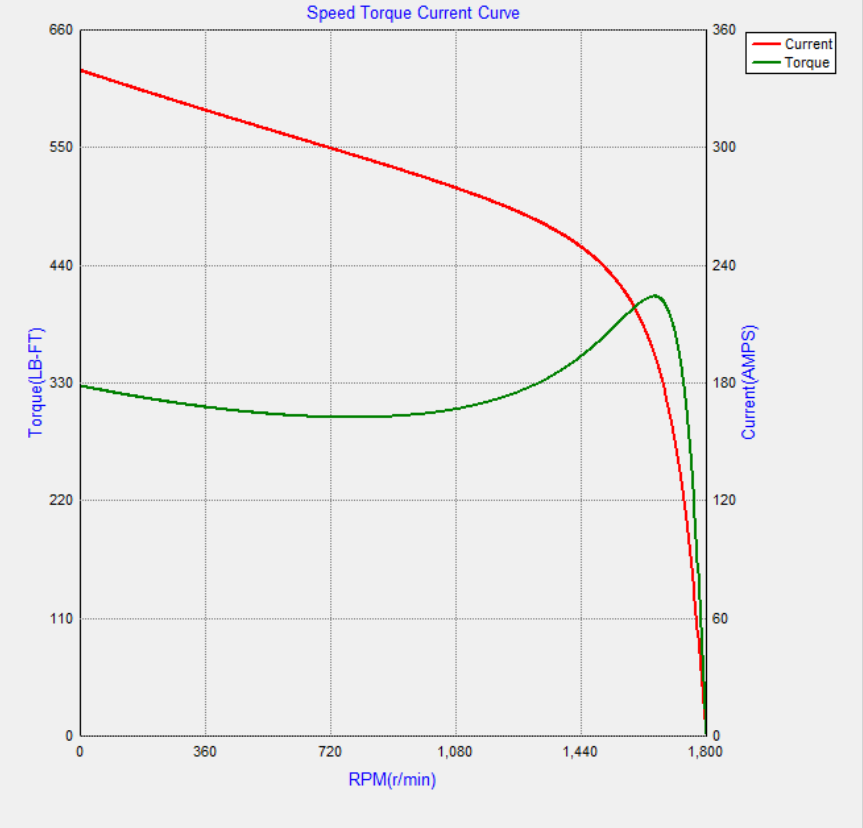
Marks:

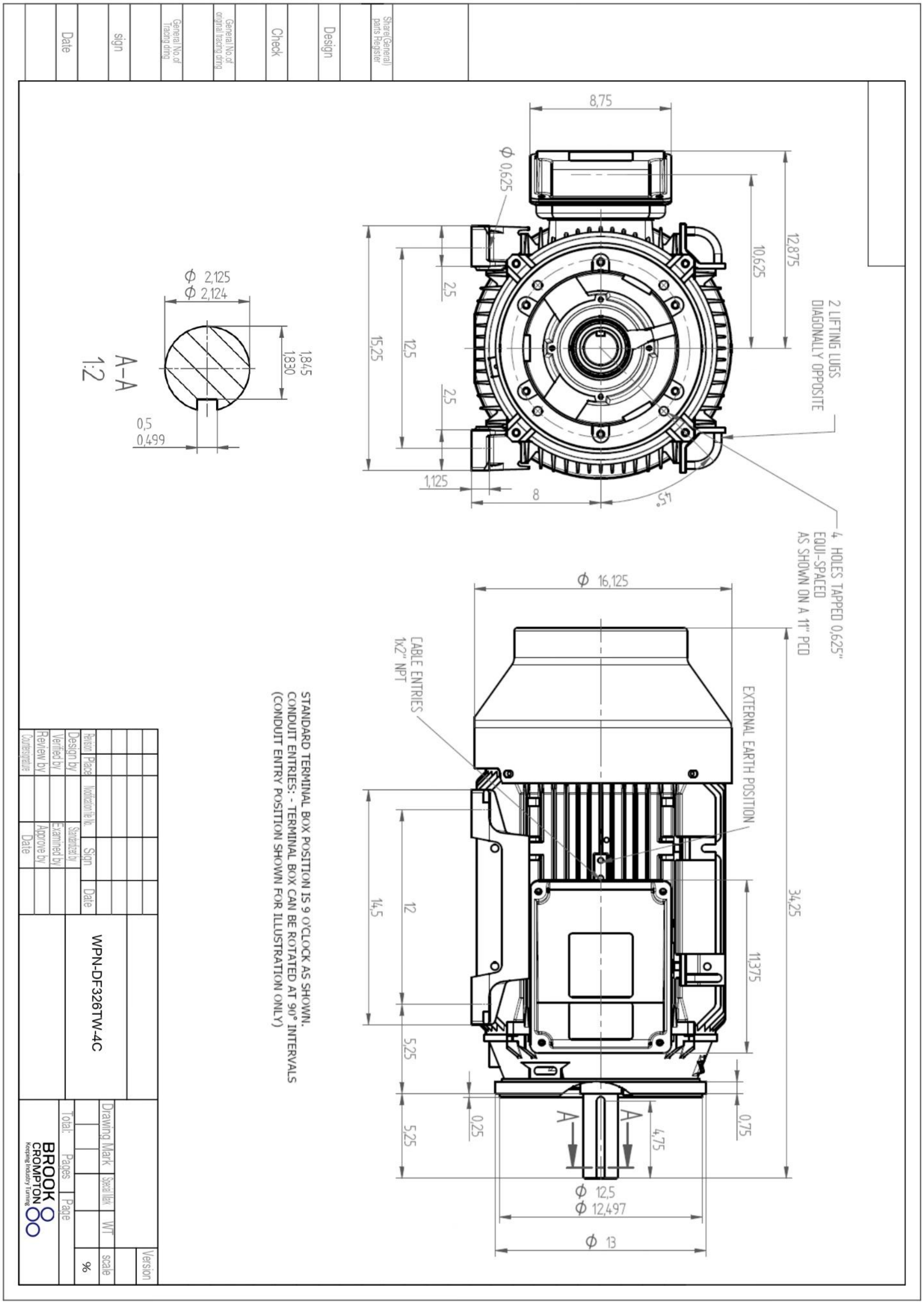
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	93.5	94.1	94.5	94.7	94.4	92.3
% PF	87.3	87.6	87.0	84.3	77.3	56.7
AMPS(460V)	86.1	71.0	56.9	44.0	32.1	22.4

TORQUE(FL) LB-FT	148	TORQUE(LR)%FL	220	TORQUE(BD)%FL	276
AMPS(LR 460V)	349	PF AT START	28		

Other Useful Information for Application:

Rotor Inertia: Lb-Ft^2 (Kg-m^2):	10.60(0.444)
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):	16.2
Safe stall time (sec): Cold/Hot	35/21




8,75
Φ 0,625
12,875
10,625
2 LIFTING LUGS
DIAGONALLY OPPOSITE
15,25
12,5
2,5
2,5
1,125
8
45°
4 HOLES TAPPED 0,625"
EQUI-SPACED
AS SHOWN ON A 11" PCD
Φ 2,125
Φ 2,124
1,845
1,830
A-A
1:2
0,5
0,499
Φ 16,125
CABLE ENTRIES
1x2" NPT
EXTERNAL EARTH POSITION
STANDARD TERMINAL BOX POSITION IS 9 O'CLOCK AS SHOWN.
CONDUIT ENTRIES: - TERMINAL BOX CAN BE ROTATED AT 90° INTERVALS
(CONDUIT ENTRY POSITION SHOWN FOR ILLUSTRATION ONLY)
34,25
14,5
12
11,375
5,25
5,25
0,25
0,75
4,75
Φ 12,5
Φ 12,497
Φ 13
WPN-DF326TW-4C
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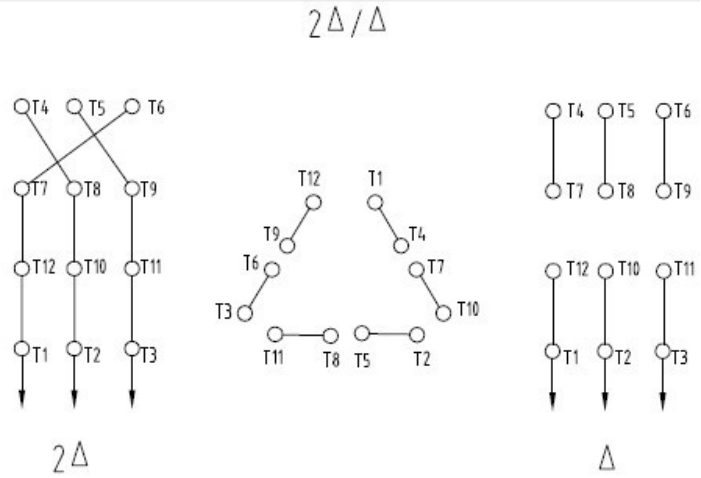
Marks:

Connection Diagram



Thermistor Connection