Product Information Packet

February 5, 2024

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

Model Number:	**WPN-DF254TSN-4C**
Catalog Number:	**BC4N015V4C**
Connection Diagram:	**See Page 4**
Outline Drawing:	**See Page 3**

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Marks:

MODEL NUMBER:	BC4N015V4C	**Estimated Weight:**	292 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:	254TC	**Alt Ambient Max(°C):**	40
Phases:	3	**Insulation Class:**	F
Poles:	4	**NEMA Design:**	B
Output Power:	15HP	**Nominal Efficiency:**	92.4 %
RPM:	1765	**Guaranteed Efficiency:**	91.0 %
Voltage:	208-230/460	**3/4 Load Efficiency:**	92.78%
Hertz:	60	**KVA Code:**	G
Amps - FL:	35.2/17.6	**Max KVAR:**	6.3
Service Factor:	1.25@60Hz	**Power Factor:**	85%
Alt Service Factor:	1.15	**Bearing - DE:**	6309-ZZC3
		Bearing - ODE:	6307-ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
12-60HZ CONSTANT TORQUE, 6-60Hz VARIABLE TORQUE

50HZ DATA:
190-200/400V
40.9/20.4AMPS
RPM 1470
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

BROOK CROMPTON
Keeping Industry Turning

Performance Characteristics

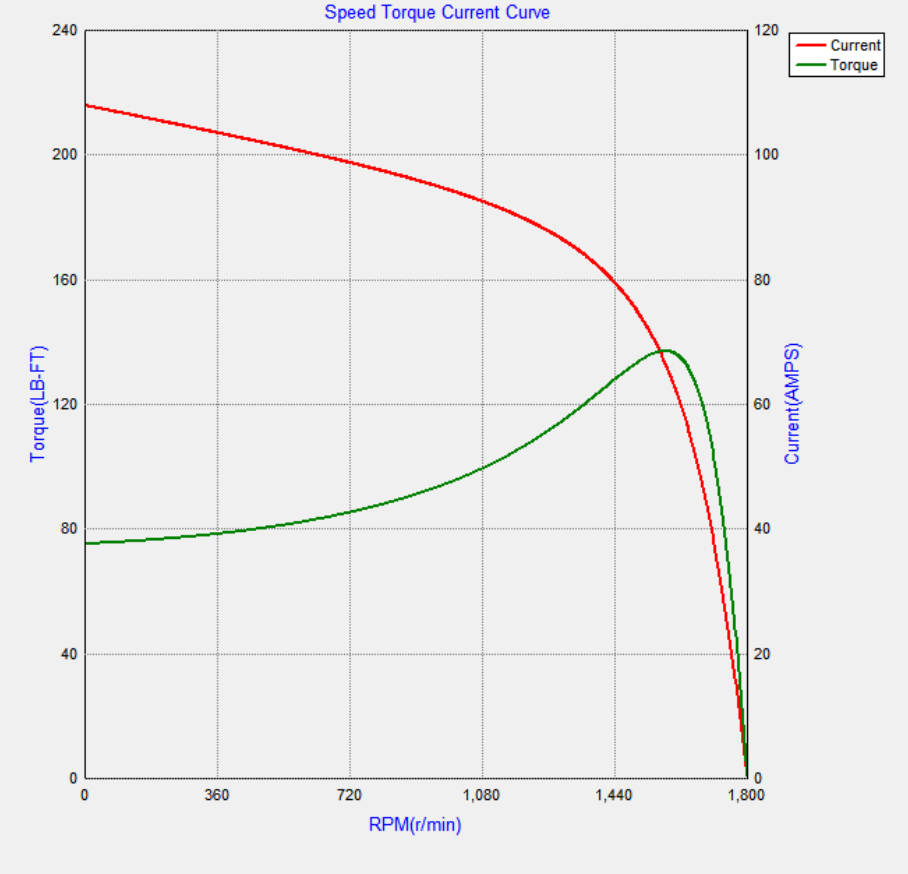
Marks:

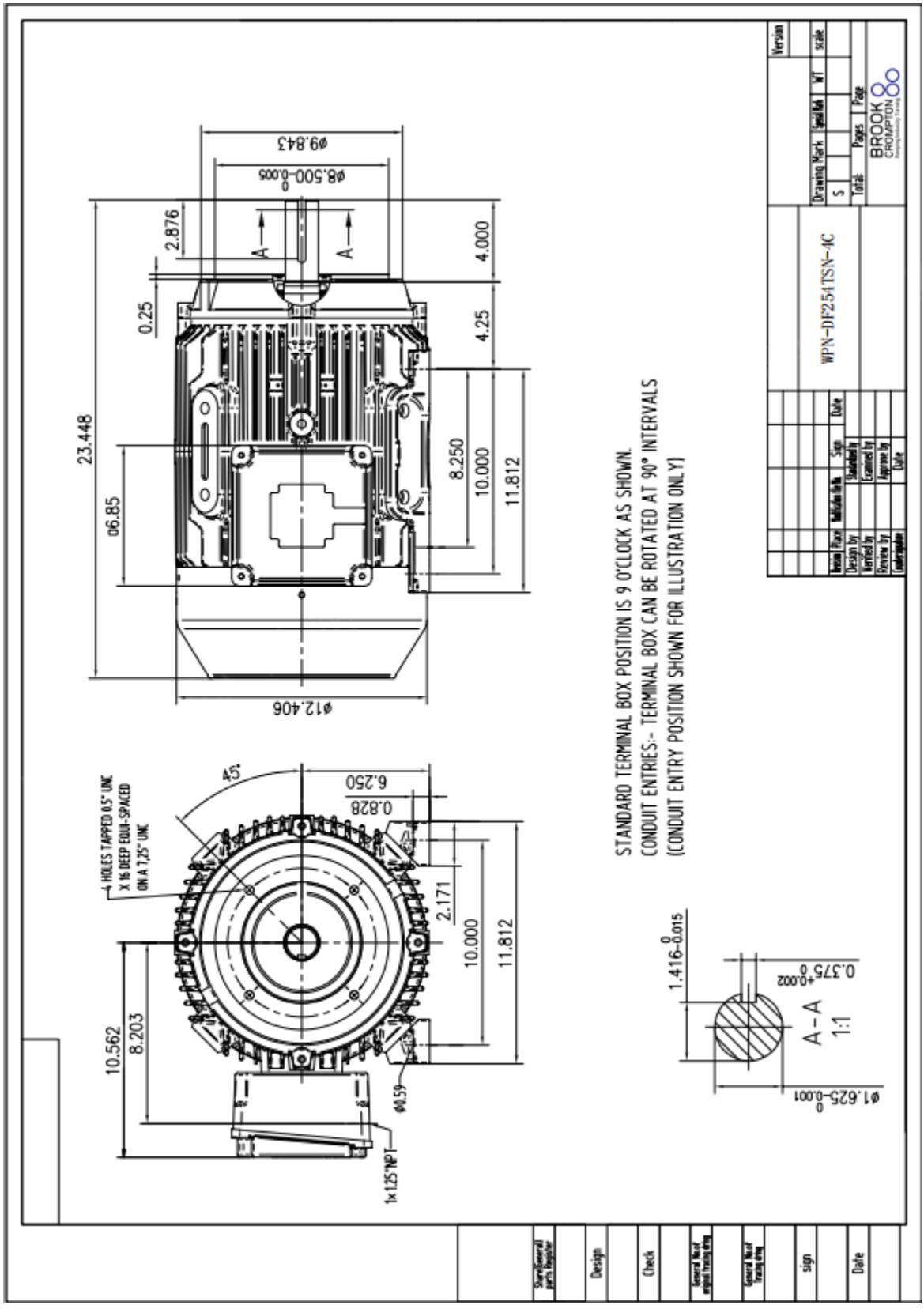
LOAD %	150.0	125.0	100.0	75.0	50.0	25.0
% EFF	90.77	91.80	92.52	92.78	92.05	88.01
% PF	87.30	87.32	85.87	81.56	71.81	51.22
AMPS(460V)	26.13	21.53	17.38	13.68	10.44	7.66

TORQUE(FL) LB-FT	59.52	TORQUE(LR)%FL	200	TORQUE(BD)%FL	310
AMPS(LR 460V)	120	PF AT START	24		

Other Useful Information for Application:

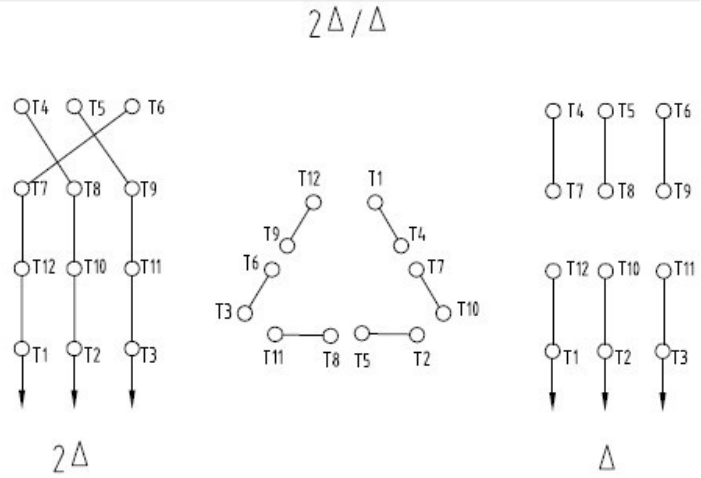
Rotor Inertia: Lb-Ft^2 (Kg-m^2):	2.580(0.108)
Max load inertia: Lb-Ft^2 (Kg-m^2):	
Load Type:	Square Torque/Speed Characteristic
Voltage:	100%
Number of starts per hour:	2 Cold or 1 Hot
Acceleration Time with maximum inertia (sec):	10.6
Safe stall time (sec): Cold/Hot	53/21




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)
WPN-DF254TSN-4C
BROOK CROMPTON
A – A
1:1
4 HOLES TAPPED 0.5" UNC
X 1.6 DEEP EQUI-SPACED
ON A 7.25" UNC
1x 1.25"NPT

Marks:

Connection Diagram



Thermistor Connection
235A3027VD