# Product Information Packet

**February 13, 2024**

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

| | |
|---|---|
| **Model Number:** | **WPN-DA284TSI-6D** |
| **Catalog Number:** | **BA6N015V4D** |
| **Connection Diagram:** | **See Page 4** |
| **Outline Drawing:** | **See Page 3** |

**Table of Contents**

**Marks**:

| | | | |
|---|---|---|---|
| **MODEL NUMBER:** | BA6N015V4D | **Estimated Weight:** | 380 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:** | 284TD | **Alt Ambient Max(°C):** | 40 |
| **Phases:** | 3 | **Insulation Class:** | F |
| **Poles:** | 6 | **NEMA Design:** | B |
| **Output Power:** | 15HP | **Nominal Efficiency:** | 91.7 % |
| **RPM:** | 1180 | **Guaranteed Efficiency:** | 90.2 % |
| **Voltage:** | 208-230/460 | **3/4 Load Efficiency:** | 92.0 % |
| **Hertz:** | 60 | **KVA Code:** | G |
| **Amps - FL:** | 36.6/18.1 | **Max KVAR:** | 6.3 |
| **Service Factor:** | 1.25@60Hz | **Power Factor:** | 83% |
| **Alt Service Factor:** | 1.15 | **Bearing - DE:** | 6310-ZZC3 |
| | | **Bearing - ODE:** | 6308-ZZC3 |

**Enclosure is Totally Enclosed Fan-Cooled**

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

50HZ DATA:
190-200/400V
42.4/21.2AMPS
RPM 980
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
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## Performance Characteristics

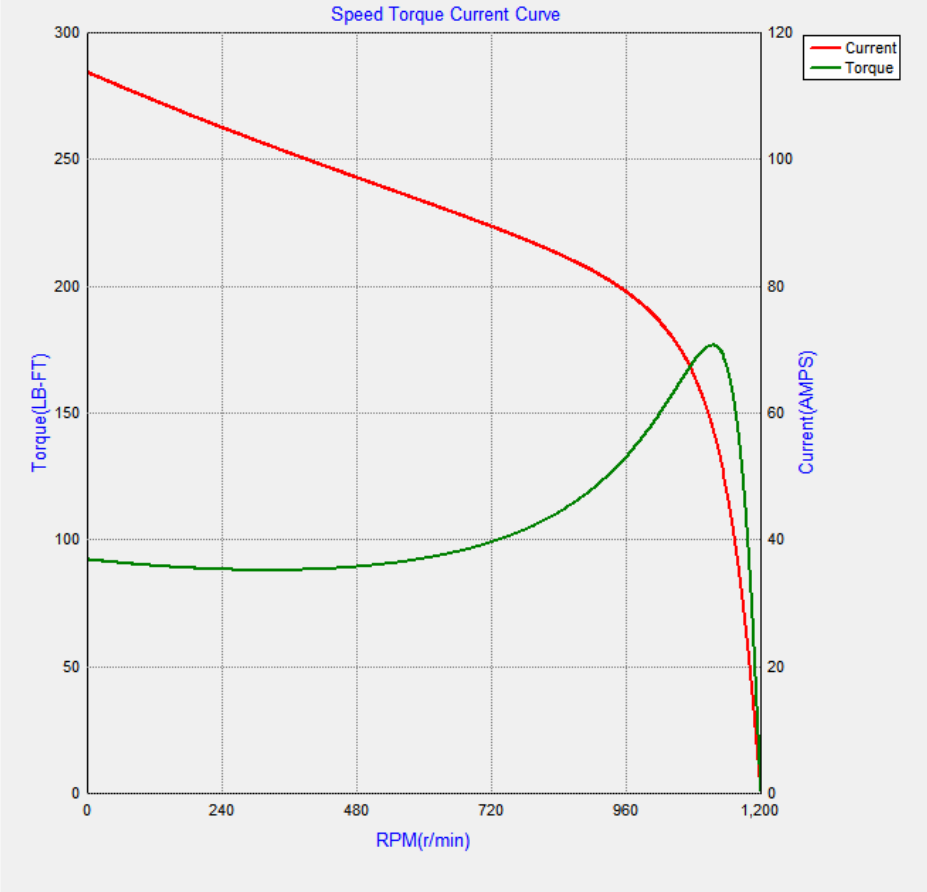
**Marks**:

| LOAD % | 150.0 | 125.0 | 100.0 | 75.0 | 50.0 | 25.0 |
|---|---|---|---|---|---|---|
| % EFF | 90.1 | 91.0 | 91.7 | 92.0 | 91.6 | 88.8 |
| % PF | 84.5 | 84.4 | 83.0 | 79.1 | 70.0 | 47.7 |
| AMPS(460V) | 27.2 | 22.5 | 18.1 | 14.2 | 10.76 | 8.16 |

| | | | | | |
|---|---|---|---|---|---|
| TORQUE(FL) LB-FT | 65.6 | TORQUE(LR)%FL | 140 | TORQUE(BD)%FL | 250 |
| AMPS(LR 460V) | 118 | PF AT START | 42 | | |

**Other Useful Information for Application:**

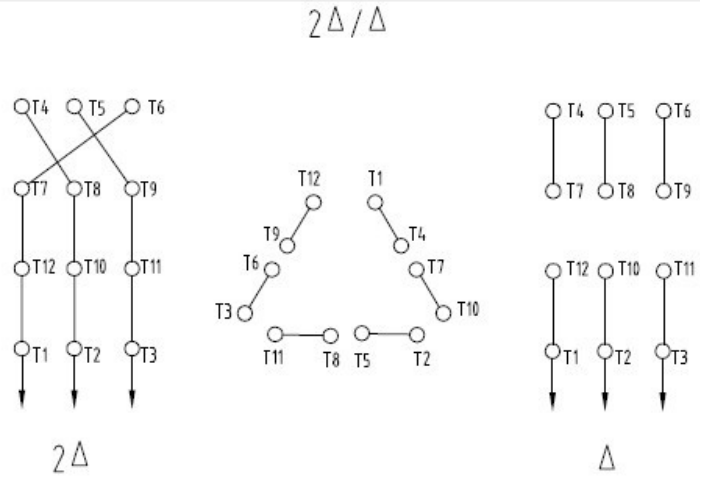
| | |
|---|---|
| Rotor Inertia: Lb-Ft$^2$ (Kg-m$^2$): | 5.860(0.246) |
| Max load inertia: Lb-Ft$^2$ (Kg-m$^2$): | |
| Load Type: | Square Torque/Speed Characteristic |
| Voltage: | 100% |
| Number of starts per hour: | 2 Cold or 1 Hot |
| Acceleration Time with maximum inertia (sec): | 10.6 |
| Safe stall time (sec): Cold/Hot | 47/19 |



# Please contact Brook Crompton for drawings.

**Marks**:

## Connection Diagram




## Thermistor Connection
**235A3027VD**