

CATALOG No: **BC6N7.5V4C**

ISSUED: 14-Mar-24

GENERAL INFORMATION

| HP | KW | Pole | RPM | Frame | Voltage | Hz | Phase | IP Rating |
|-----|------|------|------|-------|-----------|----|-------|-----------|
| 7.5 | 5.50 | 6 | 1200 | 254TC | 230/460 V | 60 | 3 | IP55 |

| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb. | Rated Altitude |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| TEFC | F | 1.25 | Continuous | B | -15 to 40 C° | <3300 ft |

TYPICAL PERFORMANCE

| Efficiency (%) | | | Power Factor (%) | | |
|----------------|----------|----------|------------------|----------|----------|
| Full Load | 3/4 Load | 1/2 Load | Full Load | 3/4 Load | 1/2 Load |
| 91.0 | 91.0 | 90.0 | 0.80 | 0.74 | 0.61 |

| LRT% | BDT % | Full Load Amps | Locked Rotor Amps | Full Load RPM |
|------|-------|----------------|-------------------|---------------|
| | | 460 V | 460 V | |
| 220 | 330 | 9.48 | 61.90 | 1175 |

| NEMA KVA Code | Bearing Size | | Oil Seal | | Sound Level |
|---------------|--------------|---------------|-----------|---------------|-------------|
| | Drive End | Non-Drive End | Drive End | Non-Drive End | dB(A) |
| H | 63092Z | 63072Z | - | - | - |

*Weights shown are estimated and based on standard foot mounted motor designs

VFD DUTY INFORMATION

| | Variable Torque | Constant Torque | Rating |
|---|-----------------|-----------------|---|
| - | 6 - 60 Hz | 12 - 60 Hz | CSA Approved Class I; Div 2; Groups A, B, C, & D, T3 With VFD |
| - | - | - | |

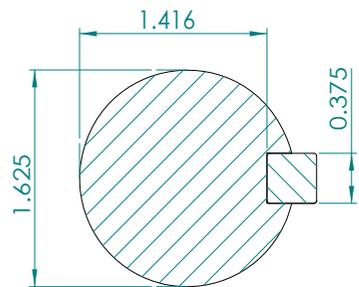
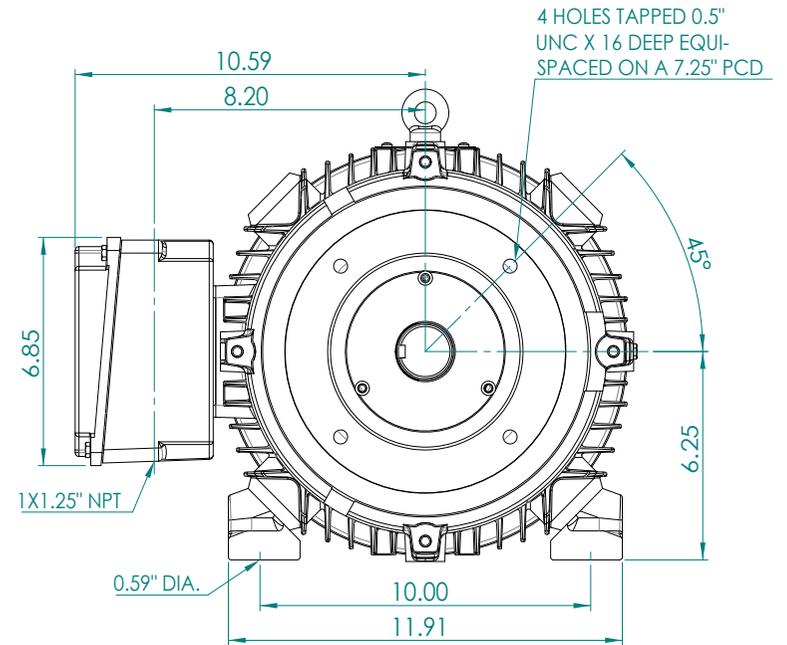
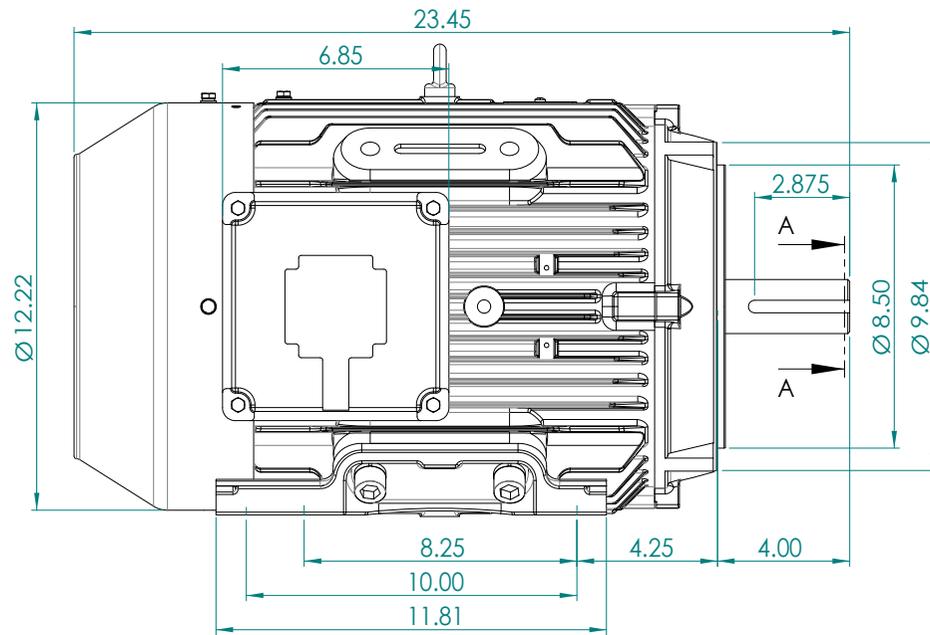
Click Link Below For Drawing

[Drawing Not Available](#)

Click Link Below For Connection Diagram

<http://www.brookcrompton.com/Connections/Connection%20Diagram%2012%20Lead%20X4%20NEMA.pdf>

Notes:



SECTION A-A
SCALE 1:1

**BROOK
CROMPTON**

WPN-DF254/6TC-V

A3

SHEET

www.brookcrompton.com