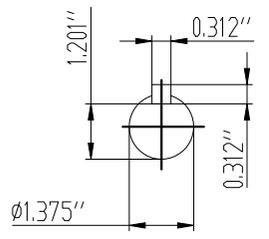
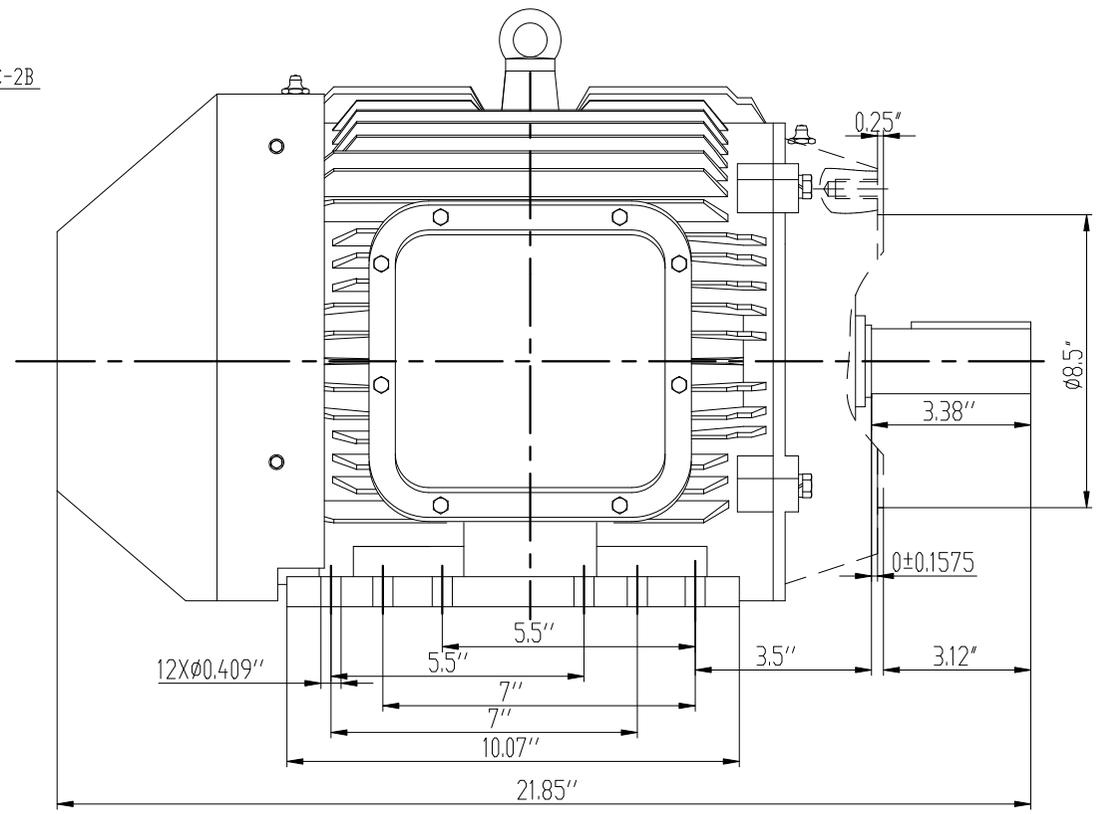
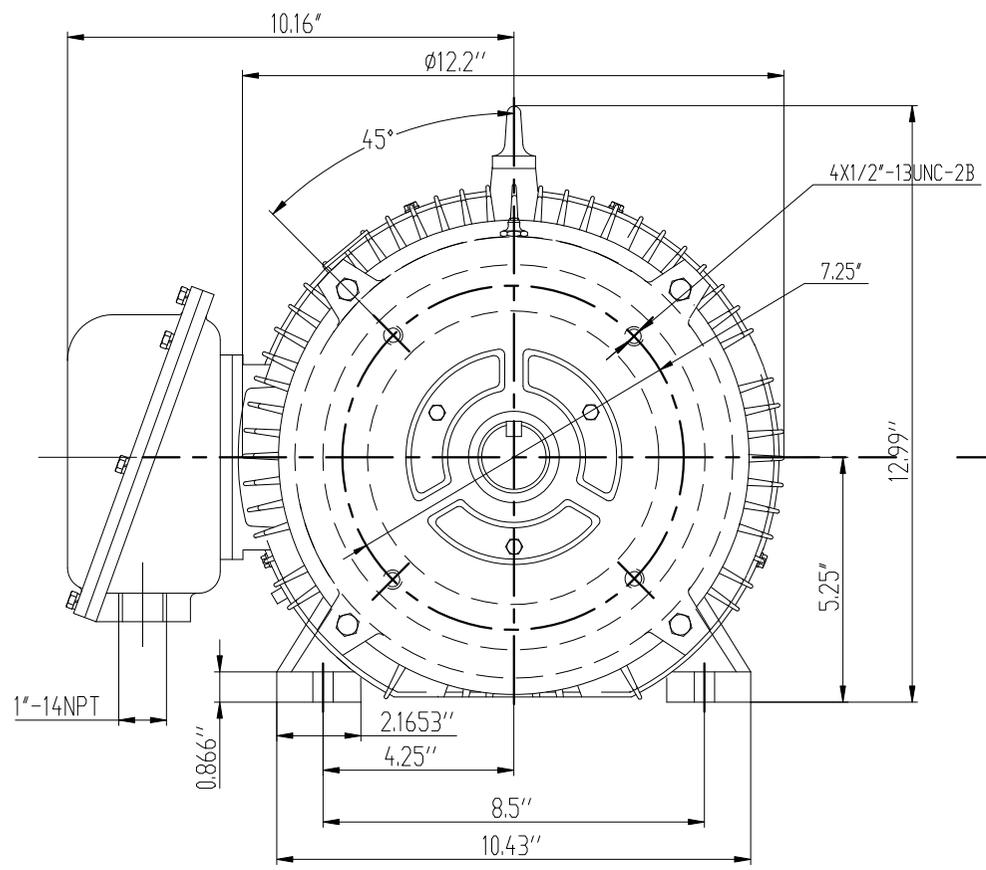


Motor Data Sheet

| | | | | | | | |
|--|--|-------------------|--|---|--|---------------------------|--|
| Supplied To. | | | | Type Code | | Frame Ref. | |
| | | | | MC6N005-9 | | 215T | |
| Manufacturing Standard NEMA MG-1, IEEE841 | | | | Starting Method | | Output | |
| Frame Material Cast Iron | | Mounting F1/F2 | | 5 | | Hp | |
| All Data Below based on 460V @ 60hz | | | | VFD Duty Variable torque 10:1 Constant torque 5:1 | | Supply | |
| Item No. | | | | L.R. PF | | 460 | |
| Sales order / Line no. | | | | 0.362 | | V | |
| Account No. | | | | Amps | | Connection type | |
| Load (Hp) | | Full | | 3/4 | | D | |
| Efficiency | | 89.5 | | 89.5 | | 85 | |
| Power Factor | | 0.75 | | 0.75 | | 0.71 | |
| Amps (Ia) at 460V | | 7.5 | | 5.2 | | 3.9 | |
| Speed (rpm) | | 1178 | | 1182 | | 1188 | |
| Speed / Torque Curve  | | | | Duty | | Cooling Code | |
| | | | | S1 | | TEFC/IC411 | |
| Efficiency | | PREMIUM | | Insulation | | Temperature rise Class | |
| 3 | | F | | cos Ø | | B | |
| Phase | | Service Factor | | IP | | 55 | |
| 3 | | 1.15 | | 0.75 | | 55 | |
| Noise pressure level at 1m no load | | | | 58 | | dB(A) | |
| DE bearing Ref. | | | | 6208/C3 | | | |
| NDE bearing Ref. | | | | 6208/C3 | | | |
| Lubrication grease | | | | | | | |
| Lubrication interval (hrs) | | | | DE 8760 | | NDE 8760 | |
| FLT (Mn) | | 21.9 | | ft-lb | | | |
| LRT (DOL) (Ma/Mn) | | 1.4 | | FLT | | 30.9 | |
| LRT (DOL) 80% V | | 0.9 | | FLT | | 19.8 | |
| PUT (Ms/Mn) | | 0.6 | | FLT | | 13.8 | |
| POT (Mk/Mn) | | 2.3 | | FLT | | 49.7 | |
| Rotor inertia | | | | 0.04 | | kgm/sq | |
| Vibration levels less than | | | | 1.8 | | mm/sec | |
| Shaft details | | | | Ø | | 1.375" x 3.38" LONG EXT'N | |
| T.Box entry | | | | 1"-11.5NPT | | | |
| Motor weight (Approx. net) | | | | 257.985 | | lb | |
| L.R. Time hot | | | | 38.4 | | secs | |
| L.R. Time cold | | | | 94.3 | | secs | |
| A.R.T. 100% Volts | | | | 38.4 | | secs | |
| A.R.T. 80% Volts | | | | 76 | | secs | |
| Number of terminals | | | | 3 wire | | | |
| NEMA Design letter | | | | J | | | |
| Maximum volts drop at start: | | | | 20% | | | |
| Maximum Altitude | | | | 3300 | | ft | |
| Ambient temp range | | | | -20 | | - 40 °C | |
| Thermal time constant | | | | 90 Minutes | | | |
| Direction of rotation | | | | CW/CCW/BI | | | |
| Winding thermistors fitted | | | | As Option | | °F | |
| Winding thermostats fitted | | | | As Option | | °F | |
| Anti condensation heaters | | | | 1/120V/60W | | Volts | |
| LRC (DOL) (Ia/In) | | | | 4.9 | | FLC 107.3 amps | |
| LRC (DOL) 80% V | | | | 2.7 | | FLC 21 amps | |
| External inertia (WR^2) | | | | KGM^2 | | | |
| No of starts/Hr with above inertia | | | | | | | |
| Starting time with above inertia | | | | Secs | | | |
| Remarks | | | | | | | |
| Drawing number | | | | 1AP.050.0391.6WXY | | | |
| Certifying Authority | | | | CSA (C=US) | | | |
| Certificate No. | | | | | | | |
| Marking | | | |  Class 1 Div 2 Grps A,B,C,D | | | |

1AP.050.0553.1-8WX



| | | | |
|---------|--------------|----|------|
| LET. | REVISION | BY | DATE |
| DESIGN | REN XIAOHUA | | |
| REVIEW | XIE XIAOLONG | | |
| APPROVE | YU JIABIN | | |
| DATE | 20170524 | | |

NSHE210 MOTOR

F-1

1AP.050.0553.1-8WX

| | |
|--------|-------|
| WEIGHT | SCALE |
| | 1:1 |

BROOK CROMPTON
Keeping Industry Turning