



Model Number GR3-CI-TF-225MB35-4-BR-D-60-230|460-60

MFG PN T 225M-4

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

### Electrical Data

### General Data

|                               |                       |                    |           |
|-------------------------------|-----------------------|--------------------|-----------|
| Rated Motor Output Power      | 60 HP                 | Frame Size         | 225       |
| Rated Motor Speed             | 1780 r/min            | Enclosure          | TEFC      |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ | Approximate Weight | 800.8     |
| Rated Motor Current           | 136.7/68.3 Amps       | NEMA Design        | A         |
| Service Factor                | 1.15                  | IP Rating          | 55        |
| KVA Code                      | K                     | Insulation Class   | F         |
| Nominal Efficiency            | 95 %                  | Tropicalization    | YES       |
| Nominal Power Factor          | 0.87 cosθ             | Duty               | Cont.     |
| Full Load Torque Ft-Lb        | 177.024 Ft-Lb         | Cable Entry        | M50 X 1.5 |
| Temp Rise @ Full Load °C      | 54.9                  | Feet Removable     | YES       |
| Efficiency Level              | IE3 - NEMA Premium    | Double Drilled     | NO        |

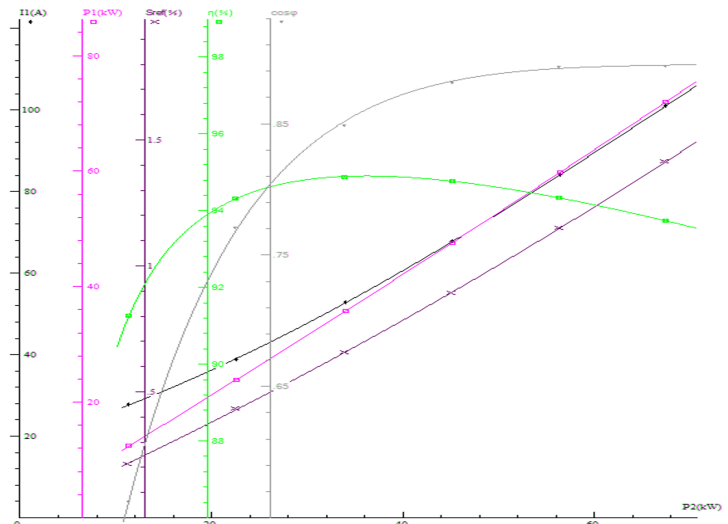
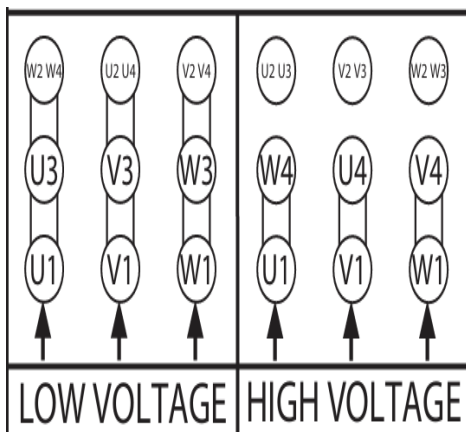
| Load Data    | RPM    | Trq %FL | Current Amps | Rated Ambient (°C)     | 40                   |
|--------------|--------|---------|--------------|------------------------|----------------------|
| Locked Rotor | -      | 306     | 664.8        | Rated Altitude (M)     | 1000                 |
| Breakdown    | -      | 339     | -            | Coating                | 7024 - Graphite Grey |
| Pull Up      | -      | 208     | -            | Shaft Grounding        | NO                   |
| 125% of FL   | 1780   | -       | 84           | Brake Voltage (DC)     | --                   |
| 75% of FL    | 1788   | -       | 52.43        | Brake Torque (N-M)     | --                   |
| 50% of FL    | 1792.3 | -       | 38.9         | <b>Mechanical Data</b> |                      |
| No Load      | --     | -       | 22.39        |                        |                      |

|                    |                             |  |  |                   |                 |
|--------------------|-----------------------------|--|--|-------------------|-----------------|
| Hazardous Location | Class 1, Div 2, Grp A,B,C,D |  |  | Bearing DE Side   | 6313 C3         |
|                    |                             |  |  | Bearing NDE Side  | 6313 C3         |
|                    |                             |  |  | Moment of Inertia | -- kg.m2        |
|                    |                             |  |  | Noise Level       | Per NEMA dB (A) |

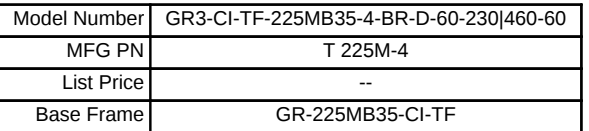
|                                                                                          |    |                      |    |
|------------------------------------------------------------------------------------------|----|----------------------|----|
| CT VFD Range                                                                             | -- | Loaded Torque Curves | -- |
| P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor |    |                      |    |

| Certifications | UL     | CSA    | DOE  |
|----------------|--------|--------|------|
| File Numbers   | 323353 | 224693 | 096A |

|                |                              |
|----------------|------------------------------|
| Wiring Diagram | 3PH 12 Lead IEC Dual Voltage |
|----------------|------------------------------|



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