

| | | Model Number: SD3-143T-2-BR-E-1.5 | | | | | |
|--|-------------|--|--------------|------------------------------|-------|----------|--------|
| | | MFG PN: 710 | | | | | |
| | | List Price: | | | | | |
| All data shown at HIGH voltage setting | | Format: STD 3 Phase | | | | | |
| Electrical Data | | | | General Data | | | |
| Rated Motor Output Power | 1.5 | HP | | Frame Size | 143T | | |
| Rated Motor Speed | 3500 | r/min 60Hz | | Enclosure | TEFC | | |
| | 2860 | r/min 50Hz | | Mounting | Rigid | | |
| Rated Motor Voltage (3 Phase) | 460 | V/60Hz | | NEMA Design | B | | |
| | 380 | V/50Hz | | IP Rating | 55 | | |
| Rated Motor Current | 2 | A (In) @ 60Hz | | Insulation Class | F | | |
| | 2.4 | A (In) @ 50Hz | | Tropicalization | 1 | | |
| FL Current @ 208V | None | A (In) @ 60Hz | | Duty | Cont. | | |
| Service Factor | 1.25 | @ 60Hz | | Cable Entry | None | | |
| | 1.25 | @ 50Hz | | Feet Removable | 0 | | |
| KVA Code | K | 60Hz | | Double Drilled | 0 | | |
| | H | 50Hz | | Frame Material | Cast | | |
| Nominal Efficiency | 84.0 | % @ 60Hz | | Shaft Material | None | | |
| | 81.2 | % @ 50Hz | | Coating | RAL | 7024 | |
| Nominal Power Factor | 0.84 | cos θ @ 60Hz | | | | | |
| Full Load Torque Ft-Lb | S | | | Mechanical Data | | | |
| Load Data | Trq Ft-Lb | Trq %FL | Current Amps | Bearing DE Side | | 6205Z | |
| Locked Rotor | | | | Bearing NDE Side | | 6205Z | |
| Breakdown | 520.1133389 | 300.0 | - | Comp Ring (wavey washer) | | DE | |
| Pull Up | 333.7535106 | 197.0 | - | Weight | | 600.8625 | Lbs |
| Load Data | RPM | Eff % | Current Amps | Moment of Inertia | | None | kg.m3 |
| 125% of FL | 1774.4 | 93.41 | 82.79 | Site Conditions | | | |
| 75% of FL | 1785.5 | 94.29 | 52.63 | Temp Rise @ Full Load °C | | None | @ 60Hz |
| 50% of FL | 1790.5 | 93.78 | 40.19 | Ambient Temperature °C | | 40 | |
| No Load | 1199.0 | 0 | 26.53 | Altitude Above Sea Level (M) | | 1000 | |
| Brake Torque (N-M) | 100.0 | Loaded Torque Curves | | None | | | |
| Brake Coil Voltage | None | P1 = Output Power (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor | | | | | |

| | | |
|------------------------|-------------------|--|
| CT VFD Range | | |
| Haz Loc Rating | | |
| Options: | | |
| UL File Number | | |
| CSA File Number | | |
| DOE File Number | | |
| CE APPROVAL | | |
| Wiring Diagram | NEMA-3-6-D | |

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| | |
|----------------------|---------------------|
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| MFG PN: | |
| List Price: | 710 |

Dimensional Drawing (For Reference Only)

841-143T1.5U2B

Components

| Item | Model | Description | List Price |
|--------------------------|-------|-------------|------------|
| C-Face Kit | | | |
| D-Flange Kit | | | |
| DE Endplate Kit | | | |
| NDE Endplate Kit | | | |
| Junction Box | | | |
| Cooling Fan Cover | | | |
| Cooling Fan | | | |
| Replacement Feet | | | |
| DE Bearing Retainer Kit | | | |
| NDE Bearing Retainer Kit | | | |

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