

## ECP4310T - Specifications

| Property                      | Value                                                            |
|-------------------------------|------------------------------------------------------------------|
| Catalog Number                | ECP4310T                                                         |
| Enclosure                     | TEFC                                                             |
| Frame                         | 364TS                                                            |
| Frame Material                | Cast Iron                                                        |
| Frequency                     | 60.00 Hz                                                         |
| Motor Letter Type             | Three Phase                                                      |
| Output @ Frequency            | 60.000 HP @ 60 HZ                                                |
| Phase                         | 3                                                                |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ                                                 |
| Voltage @ Frequency           | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ                               |
| Haz Area Class and Group      | CL I GP A,B,C,D                                                  |
| Haz Area Division             | Division II                                                      |
| Agency Approvals              | CCSAUSEEV<br>CURUSEEV<br>NEMA_PREMIUM<br>UR                      |
| Ambient Temperature           | 40 °C                                                            |
| Auxillary Box                 | No Auxillary Box                                                 |
| Base Indicator                | Rigid                                                            |
| Bearing Grease Type           | Polyrex EM (-20F +300F)                                          |
| Constant Torque Speed Range   | 6-60                                                             |
| Current @ Voltage             | 65.400 A @ 460.0 V<br>145.000 A @ 208.0 V<br>131.000 A @ 230.0 V |
| Design Code                   | B                                                                |
| Drip Cover                    | No Drip Cover                                                    |
| Duty Rating                   | CONT                                                             |
| Efficiency @ 100% Load        | 94.5 %                                                           |
| Feedback Device               | NO FEEDBACK                                                      |
| High Voltage Full Load Amps   | 65.4 a                                                           |
| Heater Indicator              | No Heater                                                        |
| Insulation Class              | F                                                                |
| Inverter Code                 | Inverter Duty                                                    |

|                               |                    |
|-------------------------------|--------------------|
| KVA Code                      | G                  |
| Lifting Lugs                  | No Lifting Lugs    |
| Max Speed                     | 4500 rpm           |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG          |
| Motor Type                    | A36056M            |
| Mounting Arrangement          | F1                 |
| Number of Poles               | 2                  |
| Overall Length                | 31.37 IN           |
| Power Factor                  | 91                 |
| Pulley End Bearing Type       | Ball               |
| Pulley Face Code              | Standard           |
| Service Factor                | 1.15               |
| Shaft Diameter                | 1.875 IN           |
| Shaft Ground Indicator        | No Shaft Grounding |
| Shaft Rotation                | Reversible         |
| Shaft Slinger Indicator       | No Slinger         |
| Speed                         | 3555 rpm           |
| Speed Code                    | Single Speed       |
| Motor Standards               | NEMA               |
| Starting Method               | Direct on line     |
| Thermal Device - Bearing      | None               |
| Thermal Device - Winding      | None               |
| Haz Area Temp Code            | T3                 |