



# DATASHEET

## TECO MAX-Ex (Exe,ExnA,ExtD)

|   |                             |                |
|---|-----------------------------|----------------|
| <b>MOTOR SERIES</b>                         | TECO MAX-Ex (Exe,ExnA,ExtD) |                |
| <b>START METHOD</b>                         |                             | DIRECT ON LINE |
| <b>KW RATING</b>                            |                             | 1.5            |
| <b>VOLTAGE</b>                              | (V)                         | 415            |
| <b>PHASES</b>                               |                             | 3              |
| <b>FREQUENCY</b>                            | (Hz)                        | 50             |
| <b>NO OF POLES</b>                          |                             | 4              |
| <b>FRAME</b>                                |                             | 90L            |
| <b>SPEED</b>                                |                             |                |
| SYNCHRONOUS                                 | (rpm)                       | 1500           |
| FULL LOAD                                   | (rpm)                       | 1440           |
| <b>CURRENT</b>                              |                             |                |
| FULL LOAD                                   | (Amps)                      | 3.16           |
| LOCKED ROTOR                                | %                           | 791            |
| <b>TORQUE</b>                               |                             |                |
| FULL LOAD TORQUE                            | (Nm)                        | 9.94           |
| STARTING TORQUE                             | %                           | 313.5          |
| MINIMUM TORQUE                              | %                           | 236.5          |
| BREAKDOWN TORQUE                            | %                           | 374            |
| <b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b> | (Kgm <sup>2</sup> )         | 0.006          |
| <b>EFFICIENCY</b>                           |                             |                |
| 100% LOAD                                   | %                           | 87             |
| 75% LOAD                                    | %                           | 86             |
| 50% LOAD                                    | %                           | 84             |
| <b>POWER FACTOR</b>                         |                             |                |
| 100% LOAD                                   | %                           | 76             |
| 75% LOAD                                    | %                           | 67             |
| 50% LOAD                                    | %                           | 53             |
| <b>INSULATION CLASS</b>                     |                             | F/H            |
| <b>ENCLOSURE TYPE</b>                       |                             | TEFC           |
| <b>IP RATING</b>                            |                             | 66             |
| <b>WEIGHT OF MOTOR</b>                      | kgs                         | 29             |
| <b>BEARINGS</b>                             |                             |                |
| DRIVE END                                   |                             | 6205 ZZ C3     |
| NON DRIVE END                               |                             | 6205 ZZ C3     |
| <b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>    | dbA                         | 47             |
| <b>DESIGN STANDARD</b>                      |                             | AS1359         |
| <b>CERTIFICATION</b>                        |                             |                |
| <b>TEMPERATURE RISE ABOVE AMBIENT</b>       |                             | < 80 DEG C     |