



# DATASHEET

## 3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

|   |   |               |
|---|---|---------------|
| <b>MOTOR SERIES</b>                         | 3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM |               |
| <b>START METHOD</b>                         |   | DIRECT ONLINE |
| <b>KW RATING</b>                            |   | 710           |
| <b>VOLTAGE</b>                              | (V)   | 3300          |
| <b>PHASES</b>                               |   | 3             |
| <b>FREQUENCY</b>                            | (Hz)  | 50            |
| <b>NO OF POLES</b>                          |   | 2             |
| <b>FRAME</b>                                |   | 400DA*        |
| <b>SPEED</b>                                |   |               |
| SYNCHRONOUS                                 | (rpm)                                       | 3000          |
| FULL LOAD                                   | (rpm)                                       | 2983          |
| <b>CURRENT</b>                              |   |               |
| FULL LOAD                                   | (Amps)                                      | 146.76        |
| LOCKED ROTOR                                | %   | 600           |
| <b>TORQUE</b>                               |   |               |
| FULL LOAD TORQUE                            | (Nm)  | 2268          |
| STARTING TORQUE                             | %   | 90            |
| MINIMUM TORQUE                              | %   | 80            |
| BREAKDOWN TORQUE                            | %   | 200           |
| <b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b> | (Kgm <sup>2</sup> )                         | 60.4          |
| <b>EFFICIENCY</b>                           |   |               |
| 100% LOAD                                   | %   | 95.9          |
| 75% LOAD                                    | %   | 95.8          |
| 50% LOAD                                    | %   | 95.1          |
| <b>POWER FACTOR</b>                         |   |               |
| 100% LOAD                                   | %   | 88.1          |
| 75% LOAD                                    | %   | 85.8          |
| 50% LOAD                                    | %   | 80.6          |
| <b>INSULATION CLASS</b>                     |   | F             |
| <b>ENCLOSURE TYPE</b>                       |   | TEFC          |
| <b>IP RATING</b>                            |   | 55            |
| <b>WEIGHT OF MOTOR</b>                      | kgs   | 4170          |
| <b>BEARINGS</b>                             |   |               |
| DRIVE END                                   |   | 6218C3        |
| NON DRIVE END                               |   | 6218C3        |
| <b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>    | dbA   | 82            |
| <b>DESIGN STANDARD</b>                      |   | IEC60034      |
| <b>CERTIFICATION</b>                        |   |               |
| <b>TEMPERATURE RISE ABOVE AMBIENT</b>       |   | < 80 DEG C    |