



# COMPRESSORS INTERNATIONAL

## TECHNICAL INFORMATION SHEET SCR830LB

|                                                         |        |                                    |             |             |
|---------------------------------------------------------|--------|------------------------------------|-------------|-------------|
| Direct drive Air cooled<br>380(400,415)V, 50Hz, 3 Phase | BAR    | 3                                  | 4           | 5           |
| Effective volume flow<br>min/max (ISO 1217/Annex C)     | m³/min | 21.5                               | 21.5        | 21.5        |
| Drive Motor                                             |        |                                    |             |             |
| Nominal motor rating                                    | kW     | 63                                 | 75          | 90          |
| Motor type                                              |        | TEFC                               |             |             |
| Full load current @380/400/415V                         | V      | 114/108/104                        | 147/140/137 | 160/152/147 |
| Starting current @380/400/415V                          | A      | Approx. 2.5times full load current |             |             |
| Motor output at shaft                                   | kW     | 72                                 | 84          | 94          |
| Total input power (incl fan)                            | kW     | 74                                 | 88          | 98          |
| Input at no-load                                        | kW     | 22                                 | 26          | 29          |
| Motor enclosure (IP rating)                             |        | IP54                               |             |             |
| Motor speed min/max                                     | RPM    | 1485                               |             |             |
| Frequency range                                         | Hz     | 50                                 |             |             |
| Motor efficiency                                        | %      | 94.2                               | 94.2        | 94.7        |
| Service factor                                          |        | 1.3                                | 1.3         | 1.3         |
| Fan motor rating                                        | kW     | 3                                  |             |             |
| Cooling air capacity                                    | m³/min | 15000                              |             |             |
| Air End                                                 |        |                                    |             |             |
| Male rotor diameter                                     | mm     | 270                                |             |             |
| Male rotor speed                                        | 1/min  | 1485                               |             |             |
| Circumferential speed                                   | m/s    | 21                                 |             |             |
| Temperatures                                            |        |                                    |             |             |
| Ambient temperature range                               | °C     | 1-45                               |             |             |
| Dimensions / Weights / General data                     |        |                                    |             |             |
| Compressed air outlet                                   | Ø      | DN100                              |             |             |
| L x W x H(compressor/Inverter)                          | mm     | 2900x1860x1900                     |             |             |
| Weight(compressor/Inverter)                             | kg     | 2900                               |             |             |
| Oil capacity                                            | l      | 110                                |             |             |
| Residual oil content                                    | mg/m³  | ≤3                                 |             |             |
| Noise level at 1 meter                                  | dB     | 75±3dB                             |             |             |
| Outlet temperature                                      | °C     | ≤ Environment temp ±10°C           |             |             |