



# COMPRESSORS

## INTERNATIONAL

### TECHNICAL INFORMATION SHEET SCR20EPM

|                                                                                                   |                 |                       |          |          |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------|----------|----------|
| Direct drive 380V/400V/415V 50Hz/3 Phase<br>Variable Speed Control                                | Frequency Range | 7 bar                 | 8 bar    | 10 bar   |
| First figure:<br>Effective volume flow m³/min<br>(ISO 1217/Annex E)                               | 100%            | 3                     | 2.9      | 2.3      |
|                                                                                                   |                 | 18.3                  | 18.4     | 17.4     |
|                                                                                                   | 90%             | 2.7                   | 2.6      | 2.1      |
|                                                                                                   |                 | 16.5                  | 16.6     | 15.7     |
|                                                                                                   | 80%             | 2.4                   | 2.3      | 1.8      |
|                                                                                                   |                 | 14.6                  | 14.7     | 13.9     |
|                                                                                                   | 70%             | 2.1                   | 2.0      | 1.6      |
|                                                                                                   |                 | 12.8                  | 12.9     | 12.2     |
|                                                                                                   | 60%             | 1.8                   | 1.7      | 1.4      |
|                                                                                                   |                 | 11.0                  | 11.0     | 10.4     |
| Test conditions:<br>Suction pressure: 0.1MPa<br>Suction temperature: 20°C<br>Suction humidity: 0% | 50%             | 1.5                   | 1.5      | 1.2      |
|                                                                                                   |                 | 9.2                   | 9.2      | 8.7      |
|                                                                                                   | 40%             | 1.2                   | 1.2      | 0.9      |
|                                                                                                   |                 | 7.3                   | 7.4      | 7.0      |
| 30%                                                                                               |                 |                       |          |          |
| Full load current /380V                                                                           | A               | 32                    | 29       | 28       |
| Full load current /400V                                                                           |                 | 30                    | 28       | 26       |
| Full load current /415V                                                                           |                 | 29                    | 27       | 25       |
| Starting current                                                                                  | A               | FLC*(1.2~1.5)         |          |          |
| Unload - Terminal power                                                                           | kW              | 2.0                   | 3.0      | 4.0      |
| Drive Motor                                                                                       |                 |                       |          |          |
| Nominal motor rating                                                                              | kW              | 15                    |          |          |
| Motor type                                                                                        |                 | Oil Cooling PM Motor  |          |          |
| Motor enclosure /IP                                                                               |                 | IP65                  |          |          |
| Motor speed Min/Max.                                                                              | RPM             | 600/1500              | 560/1400 | 760/1900 |
| Frequency range                                                                                   | Hz              | 30-75                 | 28-70    | 38-95    |
| Motor efficiency                                                                                  | %               | 94                    | 94       | 94.87    |
| Service factor                                                                                    |                 | 1.2                   | 1.2      | 1.2      |
| Cooling                                                                                           |                 |                       |          |          |
| Type of cooling                                                                                   |                 | Air Cooled            |          |          |
| Cooling air volume                                                                                | m³/h            | 6000                  |          |          |
| Fan motor rating                                                                                  | kW              | 0.38kW*1              |          |          |
| Air End                                                                                           |                 |                       |          |          |
| Male rotor max speed                                                                              |                 | 1500                  | 1400     | 1900     |
| Temperatures                                                                                      |                 |                       |          |          |
| Ambient temperature range                                                                         | °C              | 1-45                  |          |          |
| Dimensions / Weights / Genera data                                                                |                 |                       |          |          |
| Compressed air outlet                                                                             |                 | R1                    |          |          |
| L x W x H                                                                                         | mm              | 1400*820*1150         |          |          |
| Weight                                                                                            | kg              | 515                   |          | 475      |
| Oil capacity                                                                                      | L               | 15                    |          |          |
| Residual oil content                                                                              | mg/m³           | ≤3                    |          |          |
| Noise level at 1 meter                                                                            | dB(A)           | 65±3                  |          |          |
| Outlet temperature                                                                                | °C              | ≤Environment temp +10 |          |          |