

# **Airstream**

## **SCR-PM Energy Saving**

### **Three Phase Compressor**

### **Product Catalogue**



[www.airstreamsa.co.za](http://www.airstreamsa.co.za)

**Innovative Compressed Air Solutions**

## **SCR030PM (22kw) to SCR100PM (75kw)**

### **High Efficiency Air End**

The asymmetrical rotor allows for a broader sealing band between rotors compared to the conventional narrow line style seal in most other air ends. This increases air end efficiency by 5% to 10%. The use of large diameter rotors allows for higher efficiencies even at low rotational speeds providing tangible benefits such as reduced noise and extended longevity. Oversized dual, back-to-back taper roller bearings effectively retain the rotor position during all load, unload and starting conditions.

### **Special Designed Dual Housing Oil Cooling IP65 Motor**

The permanent magnet motor adopts a dual housing design which utilizes the compressor's oil circuit to cool the motor. This prevents any demagnetization of the PM motor, keeping it cool throughout the speed range.

The PM motor's efficiency is even higher than IE3 premium efficiency motors. The motor uses high performance magnetic materials, giving many advantages; such as bearing free operation, grease-free maintenance, direct vibration, leading to a compact footprint. The motor has a see-through cover at the back, allowing you to easily view the motor rotation.

### **Latest Inverter Technology**

We make use of the latest Vector Control Technology which allow for more precise control of the compressor. This is a time proof, high reliability inverter.

[www.airstreamsa.co.za](http://www.airstreamsa.co.za)

**Innovative Compressed Air Solutions**

## Features at a Glance

- High Efficiency Air End
- Designed for high ambient temperatures
- Synthetic Coolant
- Special Dual Housing Oil Cooled Motor
- Vector Control Technology
- Siemens Switchgear
- Leak proof rigid steel oil piping
- IP65 Permanent Magnet Oil Cooled Motor
- ASME Certified Separator Vessel
- Two (2) year warranty on compressor (mechanical only)

| SCR PM RANGE TECHNICAL DATA                                                                                                                     |         |                  |                        |     |                  |                          |              |                |            |                   |                  |                          |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|------------------------|-----|------------------|--------------------------|--------------|----------------|------------|-------------------|------------------|--------------------------|--------------------|
| Type                                                                                                                                            | POWER   | Working Pressure | Rated air displacement |     | Noise dB (A) ± 3 | Air outlet pipe diameter | Drive mode   | Cooling Method | Oil volume | Main motor        |                  | Machine size: L×W×H (MM) | Machine weight: KG |
|                                                                                                                                                 | Kw/HP   | BAR              | M³/min                 | CFM |                  |                          |              |                |            | Rated motor :AMPS | Protection Level |                          |                    |
| SCR030PM                                                                                                                                        | 22 / 30 | 7                | 3.7                    | 130 | ≤ 66             | 1"                       | Direct Drive | Oil Cooled     | 16 L       | 40 A              | IP65             | 1200 x 800 x 1100        | 450                |
|                                                                                                                                                 |         | 8                | 3.6                    | 127 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 3.2                    | 113 |                  |                          |              |                |            |                   |                  |                          |                    |
| SCR040PM                                                                                                                                        | 30 / 40 | 7                | 5.23                   | 183 | ≤ 68             | 1"                       | Direct Drive | Oil Cooled     | 17 L       | 54 A              | IP65             | 1200 x 800 x 1100        | 480                |
|                                                                                                                                                 |         | 8                | 5                      | 176 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 4.2                    | 148 |                  |                          |              |                |            |                   |                  |                          |                    |
| SCR050PM                                                                                                                                        | 37 / 50 | 7                | 6.4                    | 226 | ≤ 72             | 1 ½"                     | Direct Drive | Oil Cooled     | 27 L       | 64 A              | IP65             | 1300 x 900 x 1270        | 610                |
|                                                                                                                                                 |         | 8                | 6.3                    | 222 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 5.6                    | 197 |                  |                          |              |                |            |                   |                  |                          |                    |
| SCR060PM                                                                                                                                        | 45 / 60 | 7                | 7.3                    | 257 | ≤ 73             | 1 ½"                     | Direct drive | Oil Cooled     | 29 L       | 78 A              | IP65             | 1300 x 950 x 1370        | 650                |
|                                                                                                                                                 |         | 8                | 7.2                    | 254 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 7.1                    | 250 |                  |                          |              |                |            |                   |                  |                          |                    |
| SCR075PM                                                                                                                                        | 55 / 75 | 7                | 10.2                   | 360 | ≤ 75             | 2"                       | Direct drive | Oil Cooled     | 64 L       | 109 A             | IP65             | 1800 x 1200 x 1550       | 1230               |
|                                                                                                                                                 |         | 8                | 10.1                   | 356 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 8.4                    | 296 |                  |                          |              |                |            |                   |                  |                          |                    |
| SCR100PM                                                                                                                                        | 75/ 100 | 7                | 13.3                   | 469 | ≤ 76             | 2"                       | Direct drive | Oil Cooled     | 64 L       | 140 A             | IP65             | 1800 x 1200 x 1550       | 1280               |
|                                                                                                                                                 |         | 8                | 12.9                   | 455 |                  |                          |              |                |            |                   |                  |                          |                    |
|                                                                                                                                                 |         | 10               | 11.8                   | 416 |                  |                          |              |                |            |                   |                  |                          |                    |
| Please note: Slow curve breaker sizes must be determined by a qualified electrician. Rule of thumb is 2 - 2.2 times the kW rating for the unit. |         |                  |                        |     |                  |                          |              |                |            |                   |                  |                          |                    |

**sales@airstreamsa.co.za**  
**info@airstreamsa.co.za**  
**Durban - 031 700 6501**  
**Gauteng - 011 392 1965**  
**Cape Town - 021 939 6046**  
**PE - 069 897 8161**



**www.airstreamsa.co.za**

**Innovative Compressed Air Solutions**