

3,5-208,3  
m<sup>3</sup>/min124-7356  
cfm16  
bar**REFRIGERATED TYPE  
CYCLING (THERMAL MASS)  
AIR DRYERS**

These types of dryers consume energy dependent on air flow. The dryer's cooling system cools the water-glycol mixture down to 1°C and holds this mixture in a stainless steel container. A small pump circulates the water-glycol mixture to cool the compressed air. The cooling system's compressor turns off when the mixture reaches the required temperature resulting in considerable energy savings.

 **Advantages**

- Energy savings with capacity control
- 3°C dew point
- Very low pressure drop
- Suitable for tropical conditions
- Environmentally friendly R134a refrigerant
- Large condenser
- Operates at 60°C inlet temperature and in 50°C ambient temperature
- Stainless steel components
- High efficiency



| Model     | Max. Pressure |     | Capacity |      | Connection Size | Filter Set       | Voltage (V/ph/Hz) | Dimensions (mm) |       |        | Weight (kg) | Controller | Refrigerant Type |
|-----------|---------------|-----|----------|------|-----------------|------------------|-------------------|-----------------|-------|--------|-------------|------------|------------------|
|           | bar           | psi | m³/min   | cfm  |                 |                  |                   | Length          | Width | Height |             |            |                  |
| HRC 210   | 16            | 232 | 3,5      | 124  | G 1 1/2"        | HGKON405 MX+MY   | 230 / 1 / 50      | 777             | 747   | 1378   | 101         | DigiPro    | R513a            |
| HRC 305   | 16            | 232 | 5,08     | 1800 | G 1 1/2"        | HGKON405 MX+MY   | 230 / 1 / 50      | 777             | 747   | 1378   | 112         | DigiPro    | R513a            |
| HRC 375   | 16            | 232 | 6,25     | 221  | G 1 1/2"        | HGKON405 MX+MY   | 230 / 1 / 50      | 777             | 747   | 1378   | 122         | DigiPro    | R513a            |
| HRC 495   | 16            | 232 | 8,25     | 291  | G 2"            | HGKON805 MX+MY   | 230 / 1 / 50      | 855             | 725   | 1505   | 178         | DigiPro    | R513a            |
| HRC 623   | 16            | 232 | 10,4     | 366  | G 2"            | HGKON1205 MX+MY  | 230 / 1 / 50      | 855             | 725   | 1505   | 184         | DigiPro    | R513a            |
| HRC 930   | 16            | 232 | 15,5     | 547  | G 2"            | HGKON1205 MX+MY  | 230 / 1 / 50      | 830             | 730   | 1765   | 242         | DigiPro    | R513a            |
| HRC 1200  | 16            | 232 | 20,0     | 706  | G 2"            | HGKON1205 MX+MY  | 400 / 3 / 50      | 830             | 730   | 1765   | 253         | ESD-3      | R513a            |
| HRC 1388  | 16            | 232 | 23,1     | 817  | G 3"            | HGKON-1805 MX+MY | 400 / 3 / 50      | 1150            | 800   | 1740   | 295         | ESD-3      | R513a            |
| HRC 1800  | 16            | 232 | 30,0     | 1059 | G 3"            | HGKON-1805 MX+MY | 400 / 3 / 50      | 1150            | 800   | 1740   | 310         | ESD-3      | R513a            |
| HRC 2500  | 16            | 232 | 41,7     | 1471 | G 3"            | HGKON-1805 MX+MY | 400 / 3 / 50      | 1315            | 880   | 1790   | 411         | ESD-3      | R513a            |
| HRC 2775  | 16            | 232 | 46,3     | 1633 | G 3"            | HGKON-2275 MX+MY | 400 / 3 / 50      | 1315            | 880   | 1790   | 443         | ESD-3      | R513a            |
| HRC 3330  | 16            | 232 | 55,5     | 1960 | DN100           | HGKON-5850 MX+MY | 400 / 3 / 50      | 1400            | 850   | 1840   | 537         | ESD-3      | R513a            |
| HRC 3915  | 16            | 232 | 65,3     | 2304 | DN100           | HGKON-5850 MX+MY | 400 / 3 / 50      | 1400            | 850   | 1840   | 557         | ESD-3      | R513a            |
| HRC 5085  | 16            | 232 | 84,8     | 2993 | DN100           | HGKON-5850 MX+MY | 400 / 3 / 50      | 1620            | 1080  | 1995   | 737         | ESD-3      | R513a            |
| HRC 5850  | 16            | 232 | 97,5     | 3443 | DN100           | HGKON-5850 MX+MY | 400 / 3 / 50      | 1620            | 1080  | 1995   | 760         | ESD-3      | R513a            |
| HRC 6975  | 16            | 232 | 116,3    | 4105 | DN150           | -                | 400 / 3 / 50      | 2190            | 1065  | 2025   | 941         | ESD-3      | R513a            |
| HRC 7875  | 16            | 232 | 131,3    | 4634 | DN150           | -                | 400 / 3 / 50      | 2190            | 1065  | 2025   | 963         | ESD-3      | R513a            |
| HRC 9000  | 16            | 232 | 150      | 5297 | DN150           | -                | 400 / 3 / 50      | 2900            | 1200  | 2120   | 1025        | ESD-3      | R513a            |
| HRC 10500 | 16            | 232 | 175      | 6179 | DN200           | -                | 400 / 3 / 50      | 2900            | 1200  | 2120   | 1162        | ESD-3      | R513a            |
| HRC 12500 | 16            | 232 | 208,3    | 7356 | DN200           | -                | 400 / 3 / 50      | 2550            | 1550  | 2170   | 1480        | ESD-3      | R513a            |

**Correction Formula: Dryer Capacity = Air Delivery Capacity of the Compressors / F1 / F2 / F3**

| CORRECTION FACTORS FOR HRC SERIES |      |      |      |      |      |      |      |      |  |
|-----------------------------------|------|------|------|------|------|------|------|------|--|
| Pressure (bar)                    | 4    | 6    | 7    | 8    | 10   | 12   | 14   | 16   |  |
| F1                                | 0,80 | 0,94 | 1    | 1,04 | 1,11 | 1,16 | 1,22 | 1,25 |  |
| Ambient Temperature °C            | 20   | 25   | 30   | 35   | 40   | 50   | -    | -    |  |
| F2                                | 1,05 | 1    | 0,98 | 0,93 | 0,84 | 0,70 | -    | -    |  |
| Inlet Temperature °C              | 30   | 35   | 40   | 45   | 50   | 60   | -    | -    |  |
| F3                                | 1,29 | 1    | 0,92 | 0,78 | 0,65 | 0,45 | -    | -    |  |

