



MRD

Dryer Series



55°C
max. inlet

5°C
dewpoint



III-PLUS

CARATTERISTICHE TECNICHE

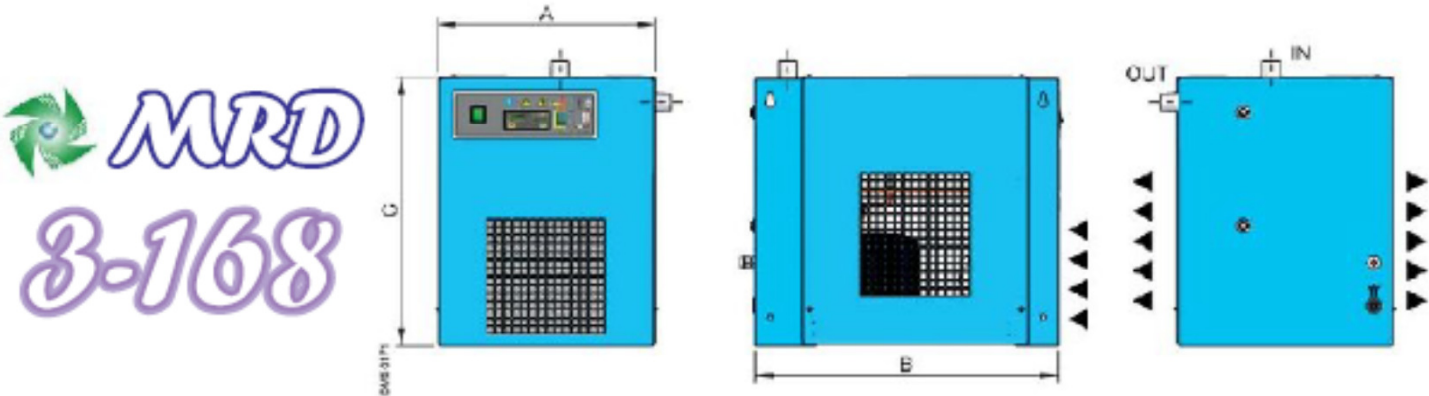
TECHNICAL FEATURES

I dati riportati sono riferiti alle seguenti condizioni nominali: Temperatura ambiente 25°C, con aria in ingresso a 7 barg e 35°C, e un Punto di rugiada in pressione di 5°C (punto di rugiada a pressione atmosferica -20.5°C).

Max. condizioni di esercizio: Temp, ambiente 45°C, Temp, ingresso aria 55°C e pressione ingresso aria 14 barg (16 barg per MRD 3 - MRD 18).

Data refer to the following nominal condition: Ambient temperature of 25°C, with inlet air at 7 barg and 35°C, and 5°C pressure Dewpoint (-20.5°C atmospheric pressure Dewpoint).

Max. working condition: Ambient temperature 45°C, Inlet air temperature 55°C and Inlet air pressure 14 barg (16 barg for MRD 3 to MRD 18).



| MODEL | Refrig [type] | Flow-rate | | | Pressure Drop [bar] | Connections Ø [IN-OUT] | Power Supply [PhV/Fr] | Dimensions [mm] | | | Weight [kg] |
|--------|------------------|-----------|-------------------|------|------------------------|---------------------------|--------------------------|-----------------|-----|------|----------------|
| | | [l/min] | m ³ /h | Scfm | | | | A | B | C | |
| MRD 3 | R134.a | 350 | 21 | 12 | 0.15 | G 3/8" BSP-F | 1/230/50-60 | 310 | 345 | 435 | 21 |
| MRD 6 | R134.a | 600 | 36 | 21 | 0.04 | G 1/2" BSP-F | 1/230/50-60 | 370 | 515 | 475 | 25 |
| MRD 9 | R134.a | 950 | 57 | 34 | 0.09 | G 1/2" BSP-F | 1/230/50-60 | 370 | 515 | 475 | 26 |
| MRD 12 | R134.a | 1200 | 72 | 42 | 0.14 | G 1/2" BSP-F | 1/230/50-60 | 370 | 515 | 475 | 28 |
| MRD 18 | R134.a | 1800 | 108 | 64 | 0.32 | G 1/2" BSP-F | 1/230/50-60 | 370 | 515 | 475 | 32 |
| MRD 25 | R134.a | 2500 | 150 | 88 | 0.24 | G 1" BSP-F | 1/230/50-60 | 345 | 420 | 740 | 34 |
| MRD 32 | R134.a | 3200 | 192 | 113 | 0.16 | G 1.1/4" BSP-F | 1/230/50 | 345 | 445 | 740 | 39 |
| MRD 43 | R404A | 4300 | 258 | 152 | 0.24 | G 1.1/4" BSP-F | 1/230/50 | 345 | 445 | 740 | 40 |
| MRD 52 | R404A | 5200 | 312 | 184 | 0.34 | G 1.1/4" BSP-F | 1/230/50 | 345 | 445 | 740 | 41 |
| MRD 61 | R404A | 6100 | 366 | 216 | 0.19 | G 1.1/2" BSP-F | 1/230/50 | 555 | 580 | 885 | 54 |
| MRD 75 | R404A | 7500 | 450 | 265 | 0.25 | G 1.1/2" BSP-F | 1/230/50 | 555 | 580 | 885 | 56 |
| MRD105 | R404A | 10500 | 630 | 371 | 0.14 | G 2" BSP-F | 1/230/50 | 555 | 625 | 975 | 94 |
| MRD130 | R404A | 13000 | 780 | 459 | 0.20 | G 2" BSP-F | 1/230/50 | 555 | 625 | 975 | 96 |
| MRD168 | R404A | 16800 | 1008 | 594 | 0.15 | G 2.1/2" BSP-F | 1/230/50 | 665 | 725 | 1105 | 144 |

FATTORE DI CORREZIONE AL VARIARE DELLA PRESSIONE DI ESERCIZIO: / CORRECTION FACTOR FOR OPERATING PRESSURE CHANGES:

| Pressione aria entrata / Inlet air pressure | barg | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 14 | 15 | 16 |
|---|------|------|------|------|------|------|------|------|------|------|------|
| Fattore / Factor | | 0.77 | 0.86 | 0.93 | 1.00 | 1.05 | 1.14 | 1.21 | 1.27 | 1.30 | 1.33 |

FATTORE DI CORREZIONE AL VARIARE DELLA TEMPERATURA AMBIENTE: / CORRECTION FACTOR FOR AMBIENT TEMPERATURE CHANGES:

| Temperatura ambiente / Ambient Temperature | °C | ≤ 25 | 30 | 35 | 40 | 45 |
|--|----|------|------|------|------|------|
| Fattore / Factor | | 1.00 | 0.98 | 0.95 | 0.88 | 0.80 |

FATTORE DI CORREZIONE AL VARIARE DELLA TEMPERATURA ARIA IN ENTRATA: / CORRECTION FACTOR FOR INLET AIR TEMPERATURE CHANGES:

| Temperatura aria / Air Temperature | °C | ≤ 30 | 35 | 40 | 45 | 50 | 55 |
|------------------------------------|----|------|------|------|------|------|------|
| Fattore / Factor | | 1.15 | 1.00 | 0.84 | 0.71 | 0.59 | 0.50 |

FATTORE DI CORREZIONE AL VARIARE DEL PUNTO DI RUGIADA (DEWPOINT): / CORRECTION FACTOR FOR DEWPOINT CHANGES:

| Punto di rugiada / Dewpoint | °C | 3 | 5 | 7 | 10 |
|-----------------------------|----|------|------|------|------|
| Fattore / Factor | | 0.91 | 1.00 | 1.10 | 1.26 |



บริษัท นิวแม็กซ์ จำกัด
 107/1 ถนนเฉลิมพระเกียรติ ร.9 แขวงประชาเวศ เขตประเวศ กรุงเทพฯ 10250
 โทรศัพท์: 0 2726 8000 โทรสาร: 0 2726 8266-9
 URL: <http://www.pneumax.co.th>