

# Performance data

According to ISO 7183:2007

| Model    | Air Treatment Capacity |      |      | R410A - 50Hz      |          | R513A - 50Hz      |          | R513A - 60Hz      |          | Inlet / Outlet connections | Dimensions (mm)  | Weight up to |
|----------|------------------------|------|------|-------------------|----------|-------------------|----------|-------------------|----------|----------------------------|------------------|--------------|
|          |                        |      |      | Power consumption | Voltage  | Power consumption | Voltage  | Power consumption | Voltage  |                            |                  |              |
|          | l/min                  | m³/h | cfm  | W                 | V/Ph/Hz  | W                 | V/Ph/Hz  | W                 | V/Ph/Hz  | gas/DN                     | A x B x C        | Kg           |
| DRY 20   | 266                    | 16   | 9,4  | –                 | –        | 130               | 230/1/50 | 170               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 19           |
| DRY 25   | 350                    | 21   | 12,4 | –                 | –        | 130               | 230/1/50 | 170               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 19           |
| DRY 45   | 600                    | 36   | 21,2 | –                 | –        | 164               | 230/1/50 | 172               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 19           |
| DRY 60   | 850                    | 51   | 30   | –                 | –        | 190               | 230/1/50 | 222               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 20           |
| DRY 85   | 1200                   | 72   | 42,4 | –                 | –        | 266               | 230/1/50 | 306               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 25           |
| DRY 130  | 1800                   | 108  | 63,6 | –                 | –        | 284               | 230/1/50 | 364               | 230/1/60 | 3/4" M                     | 493 × 350 × 450  | 27           |
| DRY 165  | 2350                   | 141  | 83   | –                 | –        | 674               | 230/1/50 | 726               | 230/1/60 | 1" F                       | 497 × 370 × 764  | 44           |
| DRY 210  | 3000                   | 180  | 106  | –                 | –        | 716               | 230/1/50 | 763               | 230/1/60 | 1" F                       | 497 × 370 × 764  | 44           |
| DRY 250  | 3600                   | 216  | 127  | 631               | 230/1/50 | 933               | 230/1/50 | 590               | 230/1/60 | 1" 1/2 F                   | 557 × 460 × 789  | 62           |
| DRY 290  | 4100                   | 246  | 145  | 705               | 230/1/50 | 933               | 230/1/50 | 727               | 230/1/60 | 1" 1/2 F                   | 557 × 460 × 789  | 60           |
| DRY 360  | 5200                   | 312  | 184  | 905               | 230/1/50 | 933               | 230/1/50 | 745               | 230/1/60 | 1" 1/2 F                   | 557 × 460 × 789  | 64           |
| DRY 460  | 6500                   | 390  | 230  | 969               | 230/1/50 | 1276              | 230/1/50 | 1315              | 230/1/60 | 1" 1/2 F                   | 587 × 580 × 899  | 82           |
| DRY 530  | 7700                   | 462  | 272  | 1124              | 230/1/50 | 1276              | 230/1/50 | 1325              | 230/1/60 | 1" 1/2 F                   | 587 × 580 × 899  | 92           |
| DRY 690  | 10000                  | 600  | 353  | 1540              | 400/3/50 | 1912              | 400/3/50 | 2021              | 460/3/60 | 2" F                       | 1070 × 805 × 962 | 157          |
| DRY 830  | 12000                  | 720  | 424  | 1980              | 400/3/50 | 1912              | 400/3/50 | 2341              | 460/3/60 | 2" F                       | 1070 × 805 × 962 | 170          |
| DRY 1040 | 15000                  | 900  | 530  | 2010              | 400/3/50 | 2629              | 400/3/50 | 2511              | 460/3/60 | 2" 1/2 F                   | 1070 × 805 × 962 | 176          |
| DRY 1260 | 18000                  | 1080 | 636  | 2770              | 400/3/50 | 2629              | 400/3/50 | 3334              | 460/3/60 | 2" 1/2 F                   | 1070 × 805 × 962 | 188          |

## Notes:

### Reference conditions:

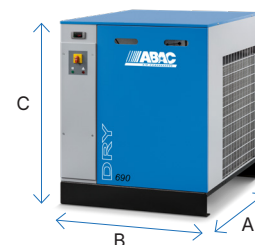
- Operating pressure: 7 bar (100 psi)
- Inlet temperature: 35°C
- Room temperature: 25°C
- Pressure dewpoint: +4°C +/-1
- Available in different voltages and frequencies

### Optional for DRY 20-130:

- Bypass + filter support
- Filter support

### Operating limit conditions:

- Max. operating pressure:  
16 bar (232 psi) (DRY 20 up to 130)  
14 bar (203 psi) (DRY 165 up to 1260)
- Max. inlet temperature:  
55°C (60°C for DRY 690-1260)
- Min./Max. ambient temperature:  
+5°C; 43°C  
(+5°C; 46°C for DRY 690-1260)



## Correction factor for conditions differing from the project $K = A \times B \times C$

| Room temperature   | °C  | 25   | 30   | 35   | 40   | 43   | 46   | Inlet temperature | °C   | 25                                                                                                                                                   | 30   | 35 | 40   | 46   | 50   | 55   | 60   |
|--------------------|-----|------|------|------|------|------|------|-------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------|------|------|------|------|
|                    | A   | 1    | 0,91 | 0,81 | 0,72 | 0,67 | 0,62 |                   | B    | 1,1                                                                                                                                                  | 1.05 | 1  | 0,82 | 0,69 | 0,58 | 0,49 | 0.42 |
| Operating Pressure | bar | 6    | 7    | 8    | 10   | 13   | 14   | 15                | 16   | The new flow rate value can be obtained by dividing the current or real flow rate by the correction factor related to the real operation conditions. |      |    |      |      |      |      |      |
|                    | C   | 0,97 | 1    | 1,03 | 1,07 | 1,12 | 1,15 | 1,16              | 1,17 |                                                                                                                                                      |      |    |      |      |      |      |      |