

| Model  | Airflow |         | Nominal abs. power<br>kW | Air connections | Overall dimensions (mm) |       |       |     | Weight<br>(Kg) |
|--------|---------|---------|--------------------------|-----------------|-------------------------|-------|-------|-----|----------------|
|        | m³/h    | m³/min. |                          |                 | A                       | B     | C     | D   |                |
| DE 003 | 17      | 0,28    | 0,15                     | 1/2"            | 530                     | 300   | 510   | 41  | 35             |
| DE 004 | 24      | 0,40    | 0,17                     | 1/2"            | 530                     | 300   | 510   | 41  | 36             |
| DE 006 | 35      | 0,58    | 0,21                     | 1/2"            | 530                     | 300   | 510   | 41  | 35             |
| DE 009 | 54      | 0,90    | 0,18                     | 1/2"            | 530                     | 300   | 510   | 41  | 39             |
| DE 012 | 73      | 1,22    | 0,29                     | 1/2"            | 530                     | 300   | 510   | 41  | 41             |
| DE 018 | 108     | 1,80    | 0,39                     | 3/4"            | 650                     | 370   | 750   | 41  | 65             |
| DE 025 | 148     | 2,47    | 0,53                     | 3/4"            | 650                     | 370   | 750   | 41  | 67             |
| DE 032 | 190     | 3,17    | 0,55                     | 1"              | 650                     | 370   | 750   | 41  | 80             |
| DE 038 | 228     | 3,80    | 0,74                     | 1"              | 650                     | 370   | 750   | 41  | 80             |
| DE 049 | 295     | 4,92    | 0,82                     | 1"              | 780                     | 370   | 850   | 41  | 103            |
| DE 062 | 370     | 6,17    | 0,84                     | 1 1/2"          | 780                     | 735   | 940   | 52  | 167            |
| DE 080 | 480     | 8,00    | 1,10                     | 1 1/2"          | 780                     | 735   | 940   | 51  | 189            |
| DE 100 | 600     | 10,00   | 1,53                     | 2"              | 865                     | 1.017 | 1.100 | 51  | 260            |
| DE 120 | 720     | 12,0    | 1,85                     | 2"              | 865                     | 1.017 | 1.100 | 51  | 264            |
| DE 140 | 840     | 14,0    | 2,22                     | 2"              | 865                     | 1.017 | 1.100 | 51  | 293            |
| DE 170 | 1020    | 17,0    | 2,37                     | 2 1/2"          | 865                     | 1.317 | 1.100 | 51  | 378            |
| DE 195 | 1170    | 19,5    | 3,16                     | 2 1/2"          | 865                     | 1.317 | 1.100 | 51  | 393            |
| DE 225 | 1350    | 22,5    | 3,55                     | DN 80           | 962                     | 1.590 | 1.568 | 122 | 650            |
| DE 275 | 1650    | 27,5    | 4,57                     | DN80            | 962                     | 1.590 | 1.568 | 122 | 770            |
| DE 375 | 2250    | 37,5    | 6,11                     | DN100           | 962                     | 1.810 | 1.568 | 122 | 930            |

Data refers to the following working conditions: air FAD 20 °C / 1bar A, pressure 7 bar(g), ambient temperature 25 °C, air inlet temperature 35 °C, pressure dew point 3 °C, according to ISO 8573.1 standards.

Dimensions refer to version with iDRAIN. Weights are net (without packing). The refrigerant used is R134a.

Maximum working pressure 16bar(g) (25, 45 or 50 bar(g) on request); maximum ambient temperature 50 °C; maximum inlet temperature 70 °C.

Power supply: 230V ±10% / 1Ph / 50Hz (DE003-080); 400V ±10% / 3Ph / 50Hz (DE100 - 375); 60Hz available on request.

The correction factors in the following table should be used as a guide only;

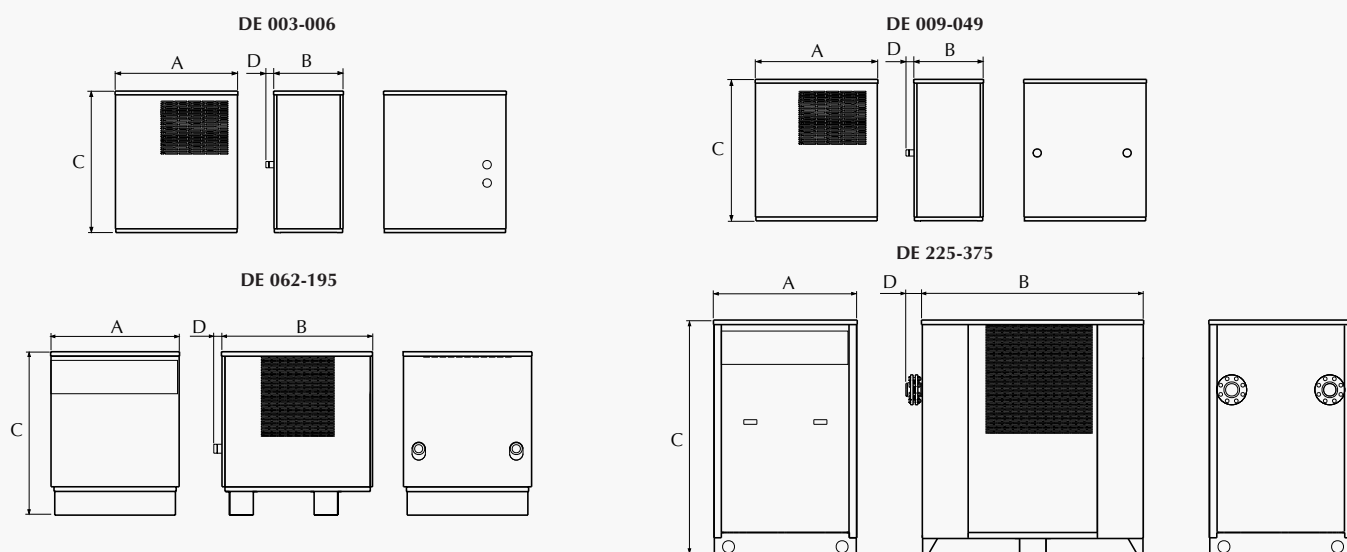
for accurate selection at conditions differing from the above the selection software should be utilised.

CAPACITY correction factors (indicative values): CAPACITY = RATED VALUE 7 bar(g) x K1 x K2 x K3 x K4.

|                   |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| working pressure  | bar (g) | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| correction factor | K1      | 0,71 | 0,82 | 0,90 | 0,96 | 1,00 | 1,04 | 1,07 | 1,09 | 1,11 | 1,13 | 1,15 | 1,16 | 1,18 | 1,19 |

|                     |    |      |      |      |      |      |      |      |                       |   |   |   |   |  |  |
|---------------------|----|------|------|------|------|------|------|------|-----------------------|---|---|---|---|--|--|
| ambient temperature | °C | 20   | 25   | 30   | 35   | 40   | 45   | 50   | pressure dew point °C |   |   |   |   |  |  |
| correction factor   | K3 | 1,05 | 1,00 | 0,95 | 0,89 | 0,84 | 0,78 | 0,72 | correction factor K4  |   |   |   |   |  |  |
|                     |    |      |      |      |      |      |      |      |                       | 3 | 5 | 7 | 9 |  |  |

|                       |    |      |      |      |      |      |      |      |      |      |
|-----------------------|----|------|------|------|------|------|------|------|------|------|
| air inlet temperature | °C | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   |
| correction factor     | K2 | 1,23 | 1,00 | 0,81 | 0,66 | 0,57 | 0,52 | 0,48 | 0,44 | 0,40 |



Complete your compressed air treatment system with M.T.A. aftercoolers, separators, filters, adsorption dryers, drains, oil-water separators and chillers.

