

## 2.7 Technical data

Table 2-1 lists the main technical data of the VACSOUND ECO D12, D18 and D28 pumps.

| PROPERTY                              | UNIT              | D12                | D18                | D28                |
|---------------------------------------|-------------------|--------------------|--------------------|--------------------|
| Nominal flow 50 Hz                    | m <sup>3</sup> /h | 14,2               | 20,5               | 30,2               |
| Effective flow 50 Hz (*)              | m <sup>3</sup> /h | 11,4               | 17,4               | 26                 |
| Nominal flow 60 Hz                    | l/min             | 290                | 420                | 610                |
| Nominal flow 60 Hz                    | cfm               | 10,2               | 14,8               | 21,5               |
| Final vacuum (*)                      | mbar              | 10 <sup>-3</sup>   | 10 <sup>-3</sup>   | 10 <sup>-3</sup>   |
| Final vacuum with gas ballast (*)     | mbar              | 5.10 <sup>-2</sup> | 5.10 <sup>-2</sup> | 5.10 <sup>-2</sup> |
| Tolerated water vapor pressure        | mbar              | 20                 | 30                 | 30                 |
| Max. water vapor pumped               | g/h               | 160                | 350                | 550                |
| Min./max. oil capacity                | l                 | 0,25/0,6           | 0,5/1              | 0,5/1              |
| Electric motor 50 Hz (1ph/3ph)        | kW                | 0,45/0,55          | 0,75/0,90          | 0,75/0,90          |
| Electric motor 50/60 Hz (1ph/3ph)     | kW                | 0,37/0,45          | 0,75/0,90          | 0,75/0,90          |
| Rotation speed 50 Hz                  | rpm               | 1500               | 1500               | 1500               |
| Rotation speed 60 Hz                  | rpm               | 1800               | 1800               | 1800               |
| Noise level at final vacuum at 1 m.   | dB(A)             | 52                 | 52                 | 52                 |
| Operating temperature (**)            | °C (°F)           | 45 (113)           | 45 (113)           | 45 (113)           |
| Weight with 50 Hz, 1ph motor (3ph)    | kg                | 22,8               | 36,2               | 36,2               |
| Weight with 50/60 Hz, 1ph motor (3ph) | kg                | 18,5               | 29,2               | 29,2               |
| Dimensions (cf. also next Table):     |                   |                    |                    |                    |
| Length, 1ph (3ph)                     | mm                | 471 (450)          | 540 (510)          | 540 (510)          |
| Width                                 | mm                | 134                | 164                | 164                |
| Height                                | mm                | 212                | 242                | 242                |
| Suction and exhaust flanges           | DN                | 25KF<br>PN16       | 25KF<br>PN16       | 25KF<br>PN16       |

Table 2-1 Technical Data

(\*)According to PNEUROP standards 6602

(\*\*)At final vacuum (room temperature 20°C)