

# SAVING ENERGY

## 30%-50%



**7.5-200 kw**

## PM-VSD VARIABLE SPEED SCREWAIR COMPRESSOR



# SAVING ENERGY 30%-50%



**7-10 Bar**

Wide Pressure Range



**30-50%**

Power Saving



**65dB(A)**

Low noise



**Oil-less**

Clean, Dry Air



## DESIGNED INTEGRATED AIR-END

- Unites motor and air-end for near-100% efficiency
- Balanced Operation: Minimizes vibration for enhanced durability
- Heavy-duty bearings support vertical placement.

## PERMANENT MAGNET MOTOR

- PM motor with high-performance neodymium iron boron (NdFeB) magnets
- The service life is more than 15 years
- The level 1 energy saving PM motor
- Cancels the loss of the excitation system which improves efficiency 5%-12%

## SMART TOUCH SCREEN PANEL

- Supports multiple languages
- Control panel has the remind & record function, Display the compressor situation clearly
- Monitor & control key compressor functions





| Type   | Power |     | Max. Working Pressure |     | F.A.D               |        | Noise<br>dB(A) | Connection | Dimension<br>(mm)<br>L*W*H | Weight<br>kg |
|--------|-------|-----|-----------------------|-----|---------------------|--------|----------------|------------|----------------------------|--------------|
|        | kw    | hp  | bar                   | psi | m <sup>3</sup> /min | cfm    |                |            |                            |              |
| VDS10  | 7.5   | 10  | 8                     | 116 | 1.0                 | 38.8   | 68±2           | Rp1/2      | 900*670*880                | 179          |
|        |       |     | 10                    | 145 | 0.9                 | 31.8   |                |            |                            |              |
| VDS15  | 11    | 15  | 8                     | 116 | 1.88                | 66.4   | 68±2           | Rp3/4      | 1080*750*1000              | 290          |
|        |       |     | 10                    | 145 | 1.2                 | 42.4   |                |            |                            |              |
| VDS20  | 15    | 20  | 8                     | 116 | 2.2                 | 77.7   | 68±2           | Rp3/4      | 1080*750*1000              | 306          |
|        |       |     | 10                    | 145 | 1.9                 | 67.1   |                |            |                            |              |
| VDS25  | 18.5  | 25  | 8                     | 116 | 3.0                 | 105.9  | 68±2           | Rp1        | 1380*850*1160              | 420          |
|        |       |     | 10                    | 145 | 2.2                 | 77.7   |                |            |                            |              |
| VDS30  | 22    | 30  | 8                     | 116 | 3.6                 | 127.1  | 68±2           | Rp1        | 1380*850*1160              | 424          |
|        |       |     | 10                    | 145 | 3.2                 | 113.0  |                |            |                            |              |
| VDS40  | 30    | 40  | 8                     | 116 | 5.0                 | 176.6  | 70±2           | Rp1        | 1380*850*1160              | 455          |
|        |       |     | 10                    | 145 | 4.2                 | 148.3  |                |            |                            |              |
| VDS50  | 37    | 50  | 8                     | 116 | 6.2                 | 218.9  | 70±2           | Rp1 1/2    | 1500*1000*1330             | 641          |
|        |       |     | 10                    | 145 | 5.3                 | 185.4  |                |            |                            |              |
| VDS60  | 45    | 60  | 8                     | 116 | 7.3                 | 257.8  | 72±2           | Rp1 1/2    | 1500*1100*1510             | 685          |
|        |       |     | 10                    | 145 | 6.6                 | 233.0  |                |            |                            |              |
| VDS75  | 55    | 75  | 8                     | 116 | 9.2                 | 324.9  | 72±2           | Rp2        | 1800*1250*1670             | 1130         |
|        |       |     | 10                    | 145 | 8.2                 | 289.5  |                |            |                            |              |
| VDS100 | 75    | 100 | 8                     | 116 | 12.6                | 444.9  | 75±2           | Rp2        | 1800*1250*1670             | 1215         |
|        |       |     | 10                    | 145 | 11.0                | 388.4  |                |            |                            |              |
| VDS120 | 90    | 120 | 8                     | 116 | 15                  | 529.7  | 75±2           | Rp2        | 1900*1250*1810             | 1230         |
|        |       |     | 10                    | 145 | 13.8                | 487.3  |                |            |                            |              |
| VDS150 | 110   | 150 | 8                     | 116 | 19.8                | 699.1  | 79±2           | DN65       | 2330*1470*1840             | 1870         |
|        |       |     | 10                    | 145 | 16.8                | 593.2  |                |            |                            |              |
| VDS175 | 132   | 175 | 8                     | 116 | 22.1                | 780.4  | 79±2           | DN65       | 2330*1470*1840             | 1990         |
|        |       |     | 10                    | 145 | 19.5                | 688.5  |                |            |                            |              |
| VDS215 | 160   | 215 | 8                     | 116 | 28.5                | 1006.5 | 79±2           | DN100      | 3250*2100*2200             | 3200         |
|        |       |     | 10                    | 145 | 22.8                | 805.2  |                |            |                            |              |
| VDS250 | 185   | 250 | 8                     | 116 | 30.0                | 1059.4 | 82±2           | DN100      | 3250*2100*2200             | 3600         |
|        |       |     | 10                    | 145 | 28.0                | 988.8  |                |            |                            |              |
| VDS270 | 200   | 270 | 8                     | 116 | 32.5                | 1147.7 | 82±2           | DN125      | 2550*2300*2300             | 4500         |
|        |       |     | 10                    | 145 | 29.2                | 1031.2 |                |            |                            |              |

# INNOVATING FOR STABLE PERFORMANCE

## VERDES AIR COMPRESSOR

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