

# Oil-injected

## Rotary Screw Air Compressors

Installed motor power 5.5 - 400 kW/7.5 - 550 hp

Free air delivery from 0.31 to 73.63 m<sup>3</sup>/min, Pressure 7.5 - 13 bar



P-DNR202008-02 Specifications are subject to change without prior notice.  
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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## OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(FIXED SPEED)

### Features and advantages



01

#### Smart Controller

- Increased reliability: durable keyboard, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation system with main operation conditions include warning indications, maintenance scheduling etc.



02

#### Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400 °C = 752 °F) and low temperature resistant (-270 °C = -518 °F), high pressure resistant.
- Ultra-long life (80 years), completely leak free and maintenance free.



03

#### Intelligent Control and Protection

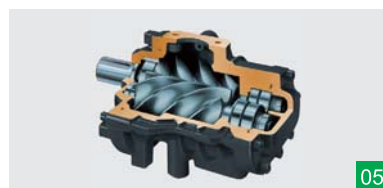
- Schneider electrical elements with original package from Germany, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.



04

#### Premium Efficiency Drive Motor

- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55 °C (131 °F)



05

#### State-of-the-art Screw Element

Original DENAIR air end.  
Advanced SAP profile design  
The material of the rotors is American specialty steel.  
Superior Sweden SKF element bearings.



06

#### Efficient Radiator

High quality aluminum fins and copper coil materials with good thermal conductivity ensure the perfect cooling efficiency.



07

#### State-of-the-art Screw Element

- Original DENAIR air end
- Advanced SAP profile design
- The material of the rotors is American specialty steel
- Superior Sweden SKF element bearings



08

#### Heavy-duty Oil Filter

- Heavy-duty oil filter with excellent oil purification capability ensures a clean and safe oil system
- Long service period and easy filter change reduce maintenance costs.



09

#### Energy-saving 1:1 Direct Driven design

Germany KTR brand maintenance-free coupling makes the motor drive the air end without transmission loss.



10

#### Efficient Separation System

- Reduction of pressure drops and energy costs
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime
- Quality air with low oil content:
  - three step air-oil separation (centrifuge, gravity, filter)
  - oil content: less than 3 ppm by weight
  - hinged cover for easy separator element change



11

#### Superior Air Filter

- Superior air filter with two-stage dust removal and filtering system with efficiency of up to 99.9% even in heavy-duty environments
- Extends the service life of the compressor parts and components, ensures high air quality

Technical parameters for EEI 1\*\*\*

| Model      | Maximum Working Pressure |      | Capacity FAD* |      |        |      | Installed Motor Power |     | Cooling Method                            | Noise level**<br>[dB(A)] | Dimensions(mm) |      |      | Weight | Air outlet pipe diameter |
|------------|--------------------------|------|---------------|------|--------|------|-----------------------|-----|-------------------------------------------|--------------------------|----------------|------|------|--------|--------------------------|
|            |                          |      | 50Hz          |      | 60Hz   |      |                       |     |                                           |                          | L              | W    | H    |        |                          |
|            | bar(g)                   | psig | m³/min        | cfm  | m³/min | cfm  | kW                    | hp  |                                           |                          | kg             |      |      |        |                          |
| DA-55+     | 7.5                      | 109  | 11.18         | 395  | 12.50  | 441  | 55                    | 75  | Direct Driven Air Cooling W-water Cooling | 78                       | 2350           | 1500 | 1600 | 1500   | DN50                     |
|            | 8.5                      | 123  | 11.03         | 389  | 12.46  | 440  | 55                    | 75  |                                           | 78                       | 2350           | 1500 | 1600 | 1500   | DN50                     |
|            | 10.5                     | 152  | 10.29         | 363  | 12.35  | 436  | 55                    | 75  |                                           | 78                       | 2350           | 1500 | 1600 | 1500   | DN50                     |
|            | 13.0                     | 189  | 10.19         | 360  | 7.61   | 269  | 55                    | 75  |                                           | 78                       | 2350           | 1500 | 1600 | 1500   | DN50                     |
| DA-75+     | 7.5                      | 109  | 14.97         | 529  | 15.02  | 530  | 75                    | 100 |                                           | 78                       | 2350           | 1500 | 1600 | 1700   | DN50                     |
|            | 8.5                      | 123  | 14.95         | 528  | 14.94  | 528  | 75                    | 100 |                                           | 78                       | 2350           | 1500 | 1600 | 1700   | DN50                     |
|            | 10.5                     | 152  | 10.94         | 386  | 12.35  | 436  | 75                    | 100 |                                           | 78                       | 2350           | 1500 | 1600 | 1700   | DN50                     |
|            | 13.0                     | 189  | 10.90         | 385  | 10.15  | 359  | 75                    | 100 |                                           | 78                       | 2350           | 1500 | 1600 | 1700   | DN50                     |
| DA-90(W)+  | 7.5                      | 109  | 19.81         | 700  | 20.17  | 712  | 90                    | 120 |                                           | 78                       | 2650           | 1700 | 1850 | 2500   | DN80                     |
|            | 8.5                      | 123  | 19.79         | 699  | 19.78  | 698  | 90                    | 120 |                                           | 78                       | 2650           | 1700 | 1850 | 2500   | DN80                     |
|            | 10.5                     | 152  | 14.76         | 521  | 18.90  | 667  | 90                    | 120 |                                           | 78                       | 2650           | 1700 | 1850 | 2500   | DN80                     |
|            | 13.0                     | 189  | 14.40         | 508  | 16.32  | 576  | 90                    | 120 |                                           | 78                       | 2650           | 1700 | 1850 | 2500   | DN80                     |
| DA-110(W)+ | 7.5                      | 109  | 22.53         | 795  | 23.31  | 823  | 110                   | 150 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|            | 8.5                      | 123  | 22.49         | 794  | 23.00  | 812  | 110                   | 150 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|            | 10.5                     | 152  | 19.77         | 698  | 20.16  | 712  | 110                   | 150 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|            | 13.0                     | 189  | 15.67         | 553  | 16.63  | 587  | 110                   | 150 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
| DA-132(W)+ | 7.5                      | 109  | 25.81         | 911  | 27.72  | 979  | 132                   | 175 |                                           | 78                       | 2650           | 1700 | 1850 | 3950   | DN80                     |
|            | 8.5                      | 123  | 25.79         | 911  | 27.04  | 955  | 132                   | 175 |                                           | 78                       | 2650           | 1700 | 1850 | 3950   | DN80                     |
|            | 10.5                     | 152  | 22.39         | 791  | 23.06  | 814  | 132                   | 175 |                                           | 78                       | 2650           | 1700 | 1850 | 3950   | DN80                     |
|            | 13.0                     | 189  | 19.56         | 691  | 22.68  | 801  | 132                   | 175 |                                           | 78                       | 2650           | 1700 | 1850 | 3950   | DN80                     |
| DA-160(W)+ | 7.5                      | 109  | 32.15         | 1135 | 32.99  | 1165 | 160                   | 215 |                                           | 80                       | 3000           | 1950 | 2030 | 5000   | DN100                    |
|            | 8.5                      | 123  | 32.11         | 1134 | 32.34  | 1142 | 160                   | 215 |                                           | 80                       | 3000           | 1950 | 2030 | 5000   | DN100                    |
|            | 10.5                     | 152  | 25.66         | 906  | 27.72  | 979  | 160                   | 215 |                                           | 80                       | 3000           | 1950 | 2030 | 5000   | DN100                    |
|            | 13.0                     | 189  | 22.26         | 786  | 24.09  | 851  | 160                   | 215 |                                           | 80                       | 3000           | 1950 | 2030 | 5000   | DN100                    |
| DA-185(W)+ | 7.5                      | 109  | 39.16         | 1383 | 41.05  | 1450 | 185                   | 250 |                                           | 80                       | 3000           | 1950 | 2030 | 5500   | DN100                    |
|            | 8.5                      | 123  | 38.95         | 1375 | 40.96  | 1446 | 185                   | 250 |                                           | 80                       | 3000           | 1950 | 2030 | 5500   | DN100                    |
|            | 10.5                     | 152  | 31.79         | 1122 | 33.10  | 1169 | 185                   | 250 |                                           | 80                       | 3000           | 1950 | 2030 | 5500   | DN100                    |
|            | 13.0                     | 189  | 25.45         | 899  | 27.19  | 960  | 185                   | 250 |                                           | 80                       | 3000           | 1950 | 2030 | 5500   | DN100                    |
| DA-200(W)+ | 7.5                      | 109  | 43.48         | 1535 | 43.26  | 1528 | 200                   | 270 |                                           | 85                       | 3500           | 2200 | 2300 | 6000   | DN125                    |
|            | 8.5                      | 123  | 43.48         | 1535 | 42.33  | 1495 | 200                   | 270 |                                           | 85                       | 3500           | 2200 | 2300 | 6000   | DN125                    |
|            | 10.5                     | 152  | 31.79         | 1122 | 33.74  | 1191 | 200                   | 270 |                                           | 85                       | 3500           | 2200 | 2300 | 6000   | DN125                    |
|            | 13.0                     | 189  | 26.74         | 944  | 28.31  | 1000 | 200                   | 270 |                                           | 85                       | 3500           | 2200 | 2300 | 6000   | DN125                    |
| DA-220(W)+ | 7.5                      | 109  | 47.92         | 1692 | 52.05  | 1838 | 220                   | 300 |                                           | 85                       | 3500           | 2200 | 2300 | 6300   | DN125                    |
|            | 8.5                      | 123  | 47.92         | 1692 | 51.95  | 1834 | 220                   | 300 |                                           | 85                       | 3500           | 2200 | 2300 | 6300   | DN125                    |
|            | 10.5                     | 152  | 39.08         | 1380 | 43.53  | 1431 | 220                   | 300 |                                           | 85                       | 3500           | 2200 | 2300 | 6300   | DN125                    |
|            | 13.0                     | 189  | 31.79         | 1122 | 33.40  | 1179 | 220                   | 300 |                                           | 85                       | 3500           | 2200 | 2300 | 6300   | DN125                    |
| DA-250(W)+ | 7.5                      | 109  | 51.43         | 1816 | 57.35  | 2025 | 250                   | 350 |                                           | 85                       | 3500           | 2200 | 2300 | 6500   | DN125                    |
|            | 8.5                      | 123  | 51.43         | 1816 | 56.01  | 1978 | 250                   | 350 |                                           | 85                       | 3500           | 2200 | 2300 | 6500   | DN125                    |
|            | 10.5                     | 152  | 42.52         | 1501 | 46.78  | 1652 | 250                   | 350 |                                           | 85                       | 3500           | 2200 | 2300 | 6500   | DN125                    |
|            | 13.0                     | 189  | 38.68         | 1366 | 40.13  | 1417 | 250                   | 350 |                                           | 85                       | 3500           | 2200 | 2300 | 6500   | DN125                    |
| DA-280(W)+ | 7.5                      | 109  | 56.69         | 2002 | 61.57  | 2174 | 280                   | 375 |                                           | 85                       | 3700           | 2400 | 2550 | 7000   | DN125                    |
|            | 8.5                      | 123  | 56.69         | 2002 | 60.39  | 2131 | 280                   | 375 |                                           | 85                       | 3700           | 2400 | 2550 | 7000   | DN125                    |
|            | 10.5                     | 152  | 47.78         | 1687 | 51.52  | 1819 | 280                   | 375 |                                           | 85                       | 3700           | 2400 | 2550 | 7000   | DN125                    |
|            | 13.0                     | 189  | 42.09         | 1486 | 46.31  | 1635 | 280                   | 375 |                                           | 85                       | 3700           | 2400 | 2550 | 7000   | DN125                    |
| DA-315(W)+ | 7.5                      | 109  | 64.07         | 2262 | 67.86  | 2396 | 315                   | 425 |                                           | 85                       | 4500           | 2500 | 2450 | 7500   | DN125                    |
|            | 8.5                      | 123  | 64.07         | 2262 | 66.57  | 2351 | 315                   | 425 |                                           | 85                       | 4500           | 2500 | 2450 | 7500   | DN125                    |
|            | 10.5                     | 152  | 56.13         | 1982 | 57.19  | 2019 | 315                   | 425 |                                           | 85                       | 4500           | 2500 | 2450 | 7500   | DN125                    |
|            | 13.0                     | 189  | 42.52         | 1501 | 49.91  | 1762 | 315                   | 425 |                                           | 85                       | 4500           | 2500 | 2450 | 7500   | DN125                    |
| DA-355(W)+ | 7.5                      | 109  | 73.63         | 2600 | 75.64  | 2671 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|            | 8.5                      | 123  | 73.47         | 2594 | 74.05  | 2615 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|            | 10.5                     | 152  | 63.44         | 2240 | 67.18  | 2372 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|            | 13.0                     | 189  | 51.43         | 1816 | 50.89  | 1797 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |

\*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C  
\*\*) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)  
\*\*\*) EEI 1 - Energy Efficiency Index 1, which refers to enhanced energy saving series  
**Specifications are subject to change without notice.**

Technical parameters for EEI 2\*\*\*

| Model | Maximum Working Pressure |      | Capacity FAD* |     |        |     | Installed Motor Power |     | Cooling Method            | Noise level**<br>[dB(A)] | Dimensions(mm) |      |      | Weight  | Air outlet pipe diameter |
|-------|--------------------------|------|---------------|-----|--------|-----|-----------------------|-----|---------------------------|--------------------------|----------------|------|------|---------|--------------------------|
|       |                          |      | 50Hz          |     | 60Hz   |     |                       |     |                           |                          | L              | W    | H    |         |                          |
|       | bar(g)                   | psig | m³/min        | cfm | m³/min | cfm | kW                    | hp  |                           |                          | kg             |      |      |         |                          |
| DA-5  | 7.5                      | 109  | 0.80          | 28  | 0.80   | 28  | 5.5                   | 7.5 | Belt Driven               | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
|       | 8.5                      | 123  | 0.78          | 28  | 0.78   | 27  | 5.5                   | 7.5 |                           | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
| DA-7  | 7.5                      | 109  | 1.09          | 39  | 1.09   | 39  | 7.5                   | 10  |                           | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
|       | 8.5                      | 123  | 1.07          | 38  | 1.07   | 38  | 7.5                   | 10  |                           | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
|       | 10.5                     | 152  | 0.92          | 32  | 0.91   | 32  | 7.5                   | 10  |                           | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
|       | 13.0                     | 189  | 0.73          | 26  | 0.72   | 26  | 7.5                   | 10  |                           | 75                       | 900            | 600  | 860  | 315     | G3/4"                    |
| DA-11 | 7.5                      | 109  | 1.66          | 59  | 1.66   | 59  | 11                    | 15  |                           | 75                       | 1230           | 650  | 900  | 324     | G3/4"                    |
|       | 8.5                      | 123  | 1.64          | 58  | 1.64   | 58  | 11                    | 15  |                           | 75                       | 1230           | 650  | 900  | 324     | G3/4"                    |
|       | 10.5                     | 152  | 1.45          | 51  | 1.45   | 51  | 11                    | 15  |                           | 75                       | 1230           | 650  | 900  | 324     | G3/4"                    |
|       | 13.0                     | 189  | 1.13          | 40  | 1.12   | 40  | 11                    | 15  |                           | 75                       | 1230           | 650  | 900  | 324     | G3/4"                    |
| DA-15 | 7.5                      | 109  | 2.54          | 90  | 2.53   | 89  | 15                    | 20  | Direct Driven Air Cooling | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 8.5                      | 123  | 2.51          | 88  | 2.50   | 88  | 15                    | 20  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 10.5                     | 152  | 1.97          | 70  | 1.86   | 66  | 15                    | 20  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 13.0                     | 189  | 1.91          | 67  | 1.83   | 65  | 15                    | 20  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
| DA-18 | 7.5                      | 109  | 3.04          | 107 | 3.65   | 129 | 18.5                  | 25  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 8.5                      | 123  | 3.03          | 107 | 3.63   | 128 | 18.5                  | 25  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 10.5                     | 152  | 3.00          | 106 | 2.38   | 84  | 18.5                  | 25  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
|       | 13.0                     | 189  | 1.91          | 67  | 2.36   | 83  | 18.5                  | 25  |                           | 75                       | 1465           | 990  | 1345 | 453     | G1-1/4"                  |
| DA-22 | 7.5                      | 109  | 3.57          | 126 | 3.65   | 129 | 22                    | 30  |                           | 75                       | 1465           | 990  | 1345 | 477     | G1-1/4"                  |
|       | 8.5                      | 123  | 3.55          | 125 | 3.63   | 128 | 22                    | 30  |                           | 75                       | 1465           | 990  | 1345 | 477     | G1-1/4"                  |
|       | 10.5                     | 152  | 3.00          | 106 | 2.38   | 84  | 22                    | 30  |                           | 75                       | 1465           | 990  | 1345 | 477     | G1-1/4"                  |
|       | 13.0                     | 189  | 2.97          | 105 | 2.36   | 83  | 22                    | 30  |                           | 75                       | 1465           | 990  | 1345 | 477     | G1-1/4"                  |
| DA-30 | 7.5                      | 109  | 5.28          | 187 | 4.49   | 159 | 30                    | 40  |                           | 85                       | 1600           | 1250 | 1550 | 682     | G1-1/2"                  |
|       | 8.5                      | 123  | 5.26          | 186 | 4.48   | 158 | 30                    | 40  |                           | 85                       | 1600           | 1250 | 1550 | 682     | G1-1/2"                  |
|       | 10.5                     | 152  | 5.21          | 184 | 4.47   | 158 | 30                    | 40  |                           | 85                       | 1600           | 1250 | 1550 | 682     | G1-1/2"                  |
|       | 13.0                     | 189  | 3.45          | 122 | 3.58   | 126 | 30                    | 40  |                           | 85                       | 1600           | 1250 | 1550 | 682     | G1-1/2"                  |
| DA-37 | 7.5                      | 109  | 6.54          | 231 | 6.33   | 224 | 37                    | 50  |                           | 85                       | 1600           | 1250 | 1550 | 728     | G1-1/2"                  |
|       | 8.5                      | 123  | 6.52          | 230 | 6.30   | 222 | 37                    | 50  |                           | 85                       | 1600           | 1250 | 1550 | 728     | G1-1/2"                  |
|       | 10.5                     | 152  | 5.21          | 184 | 4.47   | 158 | 37                    | 50  |                           | 85                       | 1600           | 1250 | 1550 | 728     | G1-1/2"                  |
|       | 13.0                     | 189  | 5.16          | 182 | 4.43   | 156 | 37                    | 50  |                           | 85                       | 1600           | 1250 | 1550 | 728     | G1-1/2"                  |
| DA-45 | 7.5                      | 109  | 7.67          | 271 | 7.79   | 275 | 45                    | 60  | 85                        | 1600                     | 1250           | 1550 | 728  | G1-1/2" |                          |
|       | 8.5                      | 123  | 7.62          | 269 | 7.76   | 274 | 45                    | 60  | 85                        | 1600                     | 1250           | 1550 | 728  | G1-1/2" |                          |
|       | 10.5                     | 152  | 6.46          | 228 | 6.24   | 220 | 45                    | 60  | 85                        | 1600                     | 1250           | 1550 | 728  | G1-1/2" |                          |
|       | 13.0                     | 189  | 6.41          | 226 | 4.44   | 157 | 45                    | 60  | 85                        | 1600                     | 1250           | 1550 | 728  | G1-1/2" |                          |
| DA-55 | 7.5                      | 109  | 9.76          | 345 | 9.14   | 323 | 55                    | 75  | 85                        | 1876                     | 1326           | 1700 | 1310 | G2"     |                          |
|       | 8.5                      | 123  | 9.67          | 342 | 9.06   | 320 | 55                    | 75  | 85                        | 1876                     | 1326           | 1700 | 1310 | G2"     |                          |
|       | 10.5                     | 152  | 7.53          | 266 | 7.74   | 273 | 55                    | 75  | 85                        | 1876                     | 1326           | 1700 | 1310 | G2"     |                          |
|       | 13.0                     | 189  | 7.40          | 261 | 6.30   | 222 | 55                    | 75  | 85                        | 1876                     | 1326           | 1700 | 1310 | G2"     |                          |
| DA-75 | 7.5                      | 109  | 14.21         | 502 | 11.72  | 414 | 75                    | 100 | 85                        | 1876                     | 1326           | 1700 | 1325 | G2"     |                          |
|       | 8.5                      | 123  | 12.55         | 443 | 11.63  | 411 | 75                    | 100 | 85                        | 1876                     | 1326           | 1700 | 1325 | G2"     |                          |
|       | 10.5                     | 152  | 9.51          | 336 | 11.43  | 404 | 75                    | 100 | 85                        | 1876                     | 1326           | 1700 | 1325 | G2"     |                          |
|       | 13.0                     | 189  | 9.23          | 326 | 8.75   | 309 | 75                    | 100 | 85                        | 1876                     | 1326           | 1700 | 1325 | G2"     |                          |

## Technical parameters for EEI 2\*\*\*

| Model     | Maximum Working Pressure |      | Capacity FAD* |      |        |      | Installed Motor Power |     | Cooling Method                            | Noise level**<br>[dB(A)] | Dimensions(mm) |      |      | Weight | Air outlet pipe diameter |
|-----------|--------------------------|------|---------------|------|--------|------|-----------------------|-----|-------------------------------------------|--------------------------|----------------|------|------|--------|--------------------------|
|           |                          |      | 50Hz          |      | 60Hz   |      |                       |     |                                           |                          | L              | W    | H    |        |                          |
|           | bar(g)                   | psig | m³/min        | cfm  | m³/min | cfm  | kW                    | hp  |                                           |                          |                |      |      |        |                          |
| DA-90(W)  | 7.5                      | 109  | 16.62         | 587  | 17.01  | 601  | 90                    | 120 | Direct Driven Air Cooling W-water Cooling | 72                       | 2450           | 1800 | 1700 | 2450   | DN80                     |
|           | 8.5                      | 123  | 16.37         | 578  | 16.82  | 594  | 90                    | 120 |                                           | 72                       | 2450           | 1800 | 1700 | 2450   | DN80                     |
|           | 10.5                     | 152  | 14.21         | 502  | 14.87  | 525  | 90                    | 120 |                                           | 72                       | 2450           | 1800 | 1700 | 2450   | DN80                     |
|           | 13.0                     | 189  | 11.77         | 416  | 11.27  | 398  | 90                    | 120 |                                           | 72                       | 2450           | 1800 | 1700 | 2450   | DN80                     |
| DA-110(W) | 7.5                      | 109  | 20.13         | 711  | 19.10  | 674  | 110                   | 150 |                                           | 72                       | 2450           | 1800 | 1700 | 2500   | DN80                     |
|           | 8.5                      | 123  | 20.05         | 708  | 19.06  | 673  | 110                   | 150 |                                           | 72                       | 2450           | 1800 | 1700 | 2500   | DN80                     |
|           | 10.5                     | 152  | 16.33         | 576  | 17.01  | 601  | 110                   | 150 |                                           | 72                       | 2450           | 1800 | 1700 | 2500   | DN80                     |
|           | 13.0                     | 189  | 14.11         | 498  | 14.68  | 518  | 110                   | 150 |                                           | 72                       | 2450           | 1800 | 1700 | 2500   | DN80                     |
| DA-132(W) | 7.5                      | 109  | 22.85         | 807  | 24.37  | 861  | 132                   | 175 |                                           | 72                       | 2450           | 1800 | 1700 | 2600   | DN80                     |
|           | 8.5                      | 123  | 22.73         | 802  | 24.23  | 856  | 132                   | 175 |                                           | 72                       | 2450           | 1800 | 1700 | 2600   | DN80                     |
|           | 10.5                     | 152  | 19.88         | 702  | 18.95  | 669  | 132                   | 175 |                                           | 72                       | 2450           | 1800 | 1700 | 2600   | DN80                     |
|           | 13.0                     | 189  | 16.51         | 583  | 16.82  | 594  | 132                   | 175 |                                           | 72                       | 2450           | 1800 | 1700 | 2600   | DN80                     |
| DA-160(W) | 7.5                      | 109  | 26.92         | 950  | 27.90  | 985  | 160                   | 215 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|           | 8.5                      | 123  | 26.86         | 949  | 27.76  | 980  | 160                   | 215 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|           | 10.5                     | 152  | 22.44         | 792  | 23.97  | 846  | 160                   | 215 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
|           | 13.0                     | 189  | 19.63         | 693  | 18.82  | 664  | 160                   | 215 |                                           | 78                       | 2650           | 1700 | 1850 | 3200   | DN80                     |
| DA-185(W) | 7.5                      | 109  | 28.89         | 1020 | 30.53  | 1078 | 185                   | 250 |                                           | 78                       | 2650           | 1700 | 1850 | 3300   | DN80                     |
|           | 8.5                      | 123  | 28.84         | 1018 | 30.44  | 1075 | 185                   | 250 |                                           | 78                       | 2650           | 1700 | 1850 | 3300   | DN80                     |
|           | 10.5                     | 152  | 25.11         | 886  | 27.46  | 970  | 185                   | 250 |                                           | 78                       | 2650           | 1700 | 1850 | 3300   | DN80                     |
|           | 13.0                     | 189  | 22.08         | 780  | 23.69  | 836  | 185                   | 250 |                                           | 78                       | 2650           | 1700 | 1850 | 3300   | DN80                     |
| DA-200(W) | 7.5                      | 109  | 31.88         | 1126 | 30.53  | 1078 | 200                   | 270 |                                           | 95                       | 3000           | 1950 | 2030 | 4750   | DN100                    |
|           | 8.5                      | 123  | 31.82         | 1124 | 30.44  | 1075 | 200                   | 270 |                                           | 95                       | 3000           | 1950 | 2030 | 4750   | DN100                    |
|           | 10.5                     | 152  | 28.48         | 1006 | 30.22  | 1067 | 200                   | 270 |                                           | 95                       | 3000           | 1950 | 2030 | 4750   | DN100                    |
|           | 13.0                     | 189  | 25.00         | 883  | 27.07  | 956  | 200                   | 270 |                                           | 95                       | 3000           | 1950 | 2030 | 4750   | DN100                    |
| DA-220(W) | 7.5                      | 109  | 36.20         | 1278 | 37.22  | 1314 | 220                   | 300 |                                           | 95                       | 3000           | 1950 | 2030 | 4800   | DN100                    |
|           | 8.5                      | 123  | 36.15         | 1276 | 37.17  | 1312 | 220                   | 300 |                                           | 95                       | 3000           | 1950 | 2030 | 4800   | DN100                    |
|           | 10.5                     | 152  | 31.71         | 1120 | 33.25  | 1174 | 220                   | 300 |                                           | 95                       | 3000           | 1950 | 2030 | 4800   | DN100                    |
|           | 13.0                     | 189  | 28.48         | 1006 | 27.07  | 956  | 220                   | 300 |                                           | 95                       | 3000           | 1950 | 2030 | 4800   | DN100                    |
| DA-250(W) | 7.5                      | 109  | 43.31         | 1529 | 42.87  | 1514 | 250                   | 350 |                                           | 95                       | 3000           | 1950 | 2030 | 4850   | DN100                    |
|           | 8.5                      | 123  | 43.24         | 1527 | 41.30  | 1458 | 250                   | 350 |                                           | 95                       | 3000           | 1950 | 2030 | 4850   | DN100                    |
|           | 10.5                     | 152  | 36.03         | 1272 | 37.04  | 1308 | 250                   | 350 |                                           | 95                       | 3000           | 1950 | 2030 | 4850   | DN100                    |
|           | 13.0                     | 189  | 31.55         | 1114 | 33.15  | 1170 | 250                   | 350 |                                           | 95                       | 3000           | 1950 | 2030 | 4850   | DN100                    |
| DA-280(W) | 7.5                      | 109  | 46.59         | 1645 | 47.16  | 1665 | 280                   | 375 |                                           | 85                       | 3700           | 2300 | 2450 | 5200   | DN125                    |
|           | 8.5                      | 123  | 46.53         | 1643 | 45.64  | 1612 | 280                   | 375 |                                           | 85                       | 3700           | 2300 | 2450 | 5200   | DN125                    |
|           | 10.5                     | 152  | 42.95         | 1516 | 42.56  | 1503 | 280                   | 375 |                                           | 85                       | 3700           | 2300 | 2450 | 5200   | DN125                    |
|           | 13.0                     | 189  | 35.89         | 1267 | 36.95  | 1305 | 280                   | 375 |                                           | 85                       | 3700           | 2300 | 2450 | 5200   | DN125                    |
| DA-315(W) | 7.5                      | 109  | 53.16         | 1877 | 50.88  | 1797 | 315                   | 425 |                                           | 85                       | 3700           | 2300 | 2450 | 6000   | DN125                    |
|           | 8.5                      | 123  | 52.63         | 1858 | 50.83  | 1795 | 315                   | 425 |                                           | 85                       | 3700           | 2300 | 2450 | 6000   | DN125                    |
|           | 10.5                     | 152  | 43.05         | 1520 | 46.27  | 1634 | 315                   | 425 |                                           | 85                       | 3700           | 2300 | 2450 | 6000   | DN125                    |
|           | 13.0                     | 189  | 42.93         | 1516 | 40.32  | 1424 | 315                   | 425 |                                           | 85                       | 3700           | 2300 | 2450 | 6000   | DN125                    |
| DA-355W   | 7.5                      | 109  | 63.37         | 2238 | 58.12  | 2052 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 7000   | DN125                    |
|           | 8.5                      | 123  | 63.16         | 2230 | 56.54  | 1997 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 7000   | DN125                    |
|           | 10.5                     | 152  | 52.63         | 1858 | 51.57  | 1821 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 7000   | DN125                    |
|           | 13.0                     | 189  | 43.79         | 1546 | 45.35  | 1601 | 355                   | 475 |                                           | 85                       | 4500           | 2500 | 2450 | 7000   | DN125                    |
| DA-400W   | 7.5                      | 109  | 70.99         | 2507 | 61.72  | 2179 | 400                   | 550 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|           | 8.5                      | 123  | 70.64         | 2494 | 59.72  | 2109 | 400                   | 550 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|           | 10.5                     | 152  | 52.63         | 1858 | 56.52  | 1996 | 400                   | 550 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |
|           | 13.0                     | 189  | 46.34         | 1636 | 51.35  | 1813 | 400                   | 550 |                                           | 85                       | 4500           | 2500 | 2450 | 8000   | DN125                    |

\*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

\*\*) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

\*\*\*)) EEI 1 - Energy Efficiency Index 1, which refers to enhanced energy saving series

**Specifications are subject to change without notice.**

## OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(VSD)

### Features and advantages



01

#### Variable Speed Drive

- Different variable speed drive brands available, such as INVT, ABB, Bosch etc.
- VSD: variable volume, controlled costs: there is no unnecessary power generated, the DENAIR DVA models can reduce energy costs by 35% or more.

Life cycle costs of the compressor can be reduced by an average of 22%.



04

#### Intelligent Control and Protection

- Schneider electrical elements with original package from Germany, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.



02

#### State-of-the-art Screw Element

- Original DENAIR air end.
- Advanced SAP profile design
- The material of the rotors is American specialty steel.
- Superior Sweden SKF element bearings.



03

#### Smart Controller

- Increased reliability: durable keyboard, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation system with main operation conditions include warning indications, maintenance scheduling etc.



05

#### Efficient Separation System

- Reduction of pressure drops and energy costs.
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime.
- Quality air with low oil content:
  - three step air-oil separation(centrifuge, gravity, filter)
  - oil content: less than 3 ppm by weight
  - hinged cover for easy separator element change



06

#### Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400 °C=752 °F) and low temperature resistant(-270 °C=- 518 °F), high pressure resistant.
- Ultra-long life(80 years), completely leak free and maintenance free.



Technical parameters

| Model  | Maximum Working Pressure |      | Capacity FAD* |       |      |      |        |       |      |      | Installed Motor Power |     | Driving Model & Cooling Method | Noise level**             | Dimensions(mm) |      |      |      | Weight  | Air outlet pipe diameter |
|--------|--------------------------|------|---------------|-------|------|------|--------|-------|------|------|-----------------------|-----|--------------------------------|---------------------------|----------------|------|------|------|---------|--------------------------|
|        |                          |      | 50Hz          |       |      |      | 60Hz   |       |      |      |                       |     |                                |                           | L              | W    | H    | kg   |         |                          |
|        |                          |      | Min.          | Max.  | Min. | Max. | Min.   | Max.  | Min. | Max. |                       |     |                                |                           |                |      |      |      |         |                          |
|        | bar(g)                   | psig | m³/min        |       | cfm  |      | m³/min |       | cfm  |      | kW                    | hp  | [dB(A)]                        |                           |                |      |      |      |         |                          |
| DVA-5  | 7.5                      | 109  | 0.32          | 0.80  | 11   | 28   | 0.40   | 0.80  | 14   | 28   | 5.5                   | 7.5 | Belt Driven                    | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
|        | 8.5                      | 123  | 0.31          | 0.78  | 11   | 28   | 0.39   | 0.78  | 14   | 27   | 5.5                   | 7.5 |                                | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
| DVA-7  | 7.5                      | 109  | 0.44          | 1.09  | 15   | 39   | 0.55   | 1.09  | 19   | 39   | 7.5                   | 10  |                                | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
|        | 8.5                      | 123  | 0.43          | 1.07  | 15   | 38   | 0.54   | 1.07  | 19   | 38   | 7.5                   | 10  |                                | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
|        | 10.5                     | 152  | 0.37          | 0.92  | 13   | 32   | 0.46   | 0.91  | 16   | 32   | 7.5                   | 10  |                                | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
|        | 13.0                     | 189  | 0.29          | 0.73  | 10   | 26   | 0.36   | 0.72  | 13   | 26   | 7.5                   | 10  |                                | 75                        | 900            | 600  | 860  | 315  | G3/4"   |                          |
| DVA-11 | 7.5                      | 109  | 0.67          | 1.66  | 23   | 59   | 0.83   | 1.66  | 29   | 59   | 11                    | 15  |                                | 75                        | 1230           | 650  | 900  | 324  | G3/4"   |                          |
|        | 8.5                      | 123  | 0.66          | 1.64  | 23   | 58   | 0.82   | 1.64  | 29   | 58   | 11                    | 15  |                                | 75                        | 1230           | 650  | 900  | 324  | G3/4"   |                          |
|        | 10.5                     | 152  | 0.58          | 1.45  | 21   | 51   | 0.72   | 1.45  | 26   | 51   | 11                    | 15  |                                | 75                        | 1230           | 650  | 900  | 324  | G3/4"   |                          |
|        | 13.0                     | 189  | 0.45          | 1.13  | 16   | 40   | 0.56   | 1.12  | 20   | 40   | 11                    | 15  |                                | 75                        | 1230           | 650  | 900  | 324  | G3/4"   |                          |
| DVA-15 | 7.5                      | 109  | 1.01          | 2.54  | 36   | 90   | 1.27   | 2.53  | 45   | 89   | 15                    | 20  |                                | Direct Driven Air Cooling | 75             | 1465 | 990  | 1345 | 453     | G1-1/4"                  |
|        | 8.5                      | 123  | 1.00          | 2.51  | 35   | 88   | 1.25   | 2.50  | 44   | 88   | 15                    | 20  |                                |                           | 75             | 1465 | 990  | 1345 | 453     | G1-1/4"                  |
|        | 10.5                     | 152  | 0.79          | 1.97  | 28   | 70   | 0.93   | 1.86  | 33   | 66   | 15                    | 20  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
|        | 13.0                     | 189  | 0.76          | 1.91  | 27   | 67   | 0.91   | 1.83  | 32   | 65   | 15                    | 20  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
| DVA-18 | 7.5                      | 109  | 1.22          | 3.04  | 43   | 107  | 1.83   | 3.65  | 65   | 129  | 18.5                  | 25  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
|        | 8.5                      | 123  | 1.21          | 3.03  | 43   | 107  | 1.82   | 3.63  | 64   | 128  | 18.5                  | 25  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
|        | 10.5                     | 152  | 1.20          | 3.00  | 42   | 106  | 1.19   | 2.38  | 42   | 84   | 18.5                  | 25  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
|        | 13.0                     | 189  | 0.76          | 1.91  | 27   | 67   | 1.18   | 2.36  | 42   | 83   | 18.5                  | 25  | 75                             |                           | 1465           | 990  | 1345 | 453  | G1-1/4" |                          |
| DVA-22 | 7.5                      | 109  | 1.43          | 3.57  | 50   | 126  | 1.83   | 3.65  | 65   | 129  | 22                    | 30  | 75                             |                           | 1465           | 990  | 1345 | 477  | G1-1/4" |                          |
|        | 8.5                      | 123  | 1.42          | 3.55  | 50   | 125  | 1.82   | 3.63  | 64   | 128  | 22                    | 30  | 75                             |                           | 1465           | 990  | 1345 | 477  | G1-1/4" |                          |
|        | 10.5                     | 152  | 1.20          | 3.00  | 42   | 106  | 1.19   | 3.38  | 42   | 84   | 22                    | 30  | 75                             |                           | 1465           | 990  | 1345 | 477  | G1-1/4" |                          |
|        | 13.0                     | 189  | 1.19          | 2.97  | 42   | 105  | 1.18   | 2.36  | 42   | 83   | 22                    | 30  | 75                             |                           | 1465           | 990  | 1345 | 477  | G1-1/4" |                          |
| DVA-30 | 7.5                      | 109  | 2.11          | 5.28  | 75   | 187  | 2.25   | 4.49  | 79   | 159  | 30                    | 40  | Direct Driven Air Cooling      | 85                        | 1600           | 1250 | 1550 | 682  | G1-1/2" |                          |
|        | 8.5                      | 123  | 2.11          | 5.26  | 74   | 186  | 2.24   | 4.48  | 79   | 158  | 30                    | 40  |                                | 85                        | 1600           | 1250 | 1550 | 682  | G1-1/2" |                          |
|        | 10.5                     | 152  | 2.08          | 5.21  | 74   | 184  | 2.24   | 4.47  | 79   | 158  | 30                    | 40  |                                | 85                        | 1600           | 1250 | 1550 | 682  | G1-1/2" |                          |
|        | 13.0                     | 189  | 1.38          | 3.45  | 49   | 122  | 1.79   | 3.58  | 63   | 126  | 30                    | 40  |                                | 85                        | 1600           | 1250 | 1550 | 682  | G1-1/2" |                          |
| DVA-37 | 7.5                      | 109  | 2.61          | 6.54  | 92   | 231  | 3.17   | 6.33  | 112  | 224  | 37                    | 50  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 8.5                      | 123  | 2.61          | 6.52  | 92   | 230  | 3.15   | 6.30  | 111  | 222  | 37                    | 50  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 10.5                     | 152  | 2.08          | 5.21  | 74   | 184  | 2.24   | 4.47  | 79   | 158  | 37                    | 50  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 13.0                     | 189  | 2.06          | 5.16  | 73   | 182  | 2.22   | 4.43  | 78   | 156  | 37                    | 50  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
| DVA-45 | 7.5                      | 109  | 3.07          | 7.67  | 108  | 271  | 3.90   | 7.79  | 138  | 275  | 45                    | 60  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 8.5                      | 123  | 3.05          | 7.62  | 108  | 269  | 3.88   | 7.76  | 137  | 274  | 45                    | 60  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 10.5                     | 152  | 2.59          | 6.46  | 91   | 228  | 3.12   | 6.24  | 110  | 220  | 45                    | 60  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
|        | 13.0                     | 189  | 2.56          | 6.41  | 91   | 226  | 2.22   | 4.44  | 78   | 157  | 45                    | 60  |                                | 85                        | 1600           | 1250 | 1550 | 728  | G1-1/2" |                          |
| DVA-55 | 7.5                      | 109  | 3.90          | 9.76  | 138  | 345  | 4.57   | 9.14  | 161  | 323  | 55                    | 75  | 85                             | 1876                      | 1326           | 1700 | 1310 | G2"  |         |                          |
|        | 8.5                      | 123  | 3.87          | 9.67  | 137  | 342  | 4.53   | 9.06  | 160  | 320  | 55                    | 75  | 85                             | 1876                      | 1326           | 1700 | 1310 | G2"  |         |                          |
|        | 10.5                     | 152  | 3.01          | 7.53  | 106  | 266  | 3.87   | 7.74  | 137  | 273  | 55                    | 75  | 85                             | 1876                      | 1326           | 1700 | 1310 | G2"  |         |                          |
|        | 13.0                     | 189  | 2.96          | 7.40  | 105  | 261  | 3.15   | 6.30  | 111  | 222  | 55                    | 75  | 85                             | 1876                      | 1326           | 1700 | 1310 | G2"  |         |                          |
| DVA-75 | 7.5                      | 109  | 5.68          | 14.21 | 201  | 502  | 5.86   | 11.72 | 207  | 414  | 75                    | 100 | 85                             | 1876                      | 1326           | 1700 | 1325 | G2"  |         |                          |
|        | 8.5                      | 123  | 5.02          | 12.55 | 177  | 443  | 5.82   | 11.63 | 205  | 411  | 75                    | 100 | 85                             | 1876                      | 1326           | 1700 | 1325 | G2"  |         |                          |
|        | 10.5                     | 152  | 3.80          | 9.51  | 134  | 336  | 5.72   | 11.43 | 202  | 404  | 75                    | 100 | 85                             | 1876                      | 1326           | 1700 | 1325 | G2"  |         |                          |
|        | 13.0                     | 189  | 3.69          | 9.23  | 130  | 326  | 4.37   | 8.75  | 154  | 309  | 75                    | 100 | 85                             | 1876                      | 1326           | 1700 | 1325 | G2"  |         |                          |

\*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 C  
\*\*) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)  
**Specifications are subject to change without notice.**

Technical parameters

| Model      | Maximum Working Pressure |      | Capacity FAD* |       |      |      |       |       |      |      | Installed Motor Power |      | Driving Model & Cooling Method            | Noise level** | Dimensions(mm) |         |      |       | Weight | Air outlet pipe diameter |
|------------|--------------------------|------|---------------|-------|------|------|-------|-------|------|------|-----------------------|------|-------------------------------------------|---------------|----------------|---------|------|-------|--------|--------------------------|
|            |                          |      | 50Hz          |       |      |      | 60Hz  |       |      |      |                       |      |                                           |               |                |         |      |       |        |                          |
|            | bar(g)                   | psig | m³/min        | cfm   | Min. | Max. | Min.  | Max.  | Min. | Max. | Min.                  | Max. |                                           | kW            | hp             | [dB(A)] | L    | W     | H      | kg                       |
| DVA-90     | 7.5                      | 109  | 6.65          | 16.62 | 235  | 587  | 8.51  | 17.01 | 300  | 601  | 90                    | 120  | Direct Driven Air Cooling W-Water Cooling | 72            | 2450           | 1800    | 1700 | 2450  | DN80   |                          |
|            | 8.5                      | 123  | 6.55          | 16.37 | 231  | 578  | 8.41  | 16.82 | 297  | 594  | 90                    | 120  |                                           | 72            | 2450           | 1800    | 1700 | 2450  | DN80   |                          |
|            | 10.5                     | 152  | 5.68          | 14.21 | 201  | 502  | 7.43  | 14.87 | 262  | 525  | 90                    | 120  |                                           | 72            | 2450           | 1800    | 1700 | 2450  | DN80   |                          |
|            | 13.0                     | 189  | 4.71          | 11.77 | 166  | 416  | 5.63  | 11.27 | 199  | 398  | 90                    | 120  |                                           | 72            | 2450           | 1800    | 1700 | 2450  | DN80   |                          |
| DVA-110    | 7.5                      | 109  | 8.05          | 20.13 | 284  | 711  | 9.55  | 19.10 | 337  | 674  | 110                   | 150  |                                           | 72            | 2450           | 1800    | 1700 | 2500  | DN80   |                          |
|            | 8.5                      | 123  | 8.02          | 20.05 | 283  | 708  | 9.53  | 19.06 | 336  | 673  | 110                   | 150  |                                           | 72            | 2450           | 1800    | 1700 | 2500  | DN80   |                          |
|            | 10.5                     | 152  | 6.53          | 16.33 | 231  | 576  | 8.51  | 17.01 | 300  | 601  | 110                   | 150  |                                           | 72            | 2450           | 1800    | 1700 | 2500  | DN80   |                          |
|            | 13.0                     | 189  | 5.64          | 14.11 | 199  | 498  | 7.34  | 14.68 | 259  | 518  | 110                   | 150  |                                           | 72            | 2450           | 1800    | 1700 | 2500  | DN80   |                          |
| DVA-132    | 7.5                      | 109  | 9.14          | 22.85 | 323  | 807  | 12.19 | 24.37 | 430  | 861  | 132                   | 175  |                                           | 72            | 2450           | 1800    | 1700 | 2600  | DN80   |                          |
|            | 8.5                      | 123  | 9.09          | 22.73 | 321  | 802  | 12.12 | 24.23 | 428  | 856  | 132                   | 175  |                                           | 72            | 2450           | 1800    | 1700 | 2600  | DN80   |                          |
|            | 10.5                     | 152  | 7.95          | 19.88 | 281  | 702  | 9.48  | 18.95 | 335  | 669  | 132                   | 175  |                                           | 72            | 2450           | 1800    | 1700 | 2600  | DN80   |                          |
|            | 13.0                     | 189  | 6.60          | 16.51 | 233  | 583  | 8.41  | 16.82 | 297  | 594  | 132                   | 175  |                                           | 72            | 2450           | 1800    | 1700 | 2600  | DN80   |                          |
| DVA-160    | 7.5                      | 109  | 10.77         | 26.92 | 380  | 950  | 13.95 | 27.90 | 493  | 985  | 160                   | 215  |                                           | 78            | 2650           | 1700    | 1850 | 3200  | DN80   |                          |
|            | 8.5                      | 123  | 10.75         | 26.86 | 379  | 949  | 13.88 | 27.76 | 490  | 980  | 160                   | 215  |                                           | 78            | 2650           | 1700    | 1850 | 3200  | DN80   |                          |
|            | 10.5                     | 152  | 8.98          | 22.44 | 317  | 792  | 11.99 | 23.97 | 423  | 846  | 160                   | 215  |                                           | 78            | 2650           | 1700    | 1850 | 3200  | DN80   |                          |
|            | 13.0                     | 189  | 7.85          | 19.63 | 277  | 693  | 9.41  | 18.82 | 332  | 664  | 160                   | 215  |                                           | 78            | 2650           | 1700    | 1850 | 3200  | DN80   |                          |
| DVA-185(W) | 7.5                      | 109  | 11.56         | 28.89 | 408  | 1020 | 15.27 | 30.53 | 539  | 1078 | 185                   | 250  |                                           | 78            | 2650           | 1700    | 1850 | 3300  | DN80   |                          |
|            | 8.5                      | 123  | 11.54         | 28.84 | 407  | 1018 | 15.22 | 30.44 | 537  | 1075 | 185                   | 250  |                                           | 78            | 2650           | 1700    | 1850 | 3300  | DN80   |                          |
|            | 10.5                     | 152  | 10.04         | 25.11 | 355  | 886  | 13.73 | 27.46 | 485  | 970  | 185                   | 250  |                                           | 78            | 2650           | 1700    | 1850 | 3300  | DN80   |                          |
|            | 13.0                     | 189  | 8.83          | 22.08 | 312  | 780  | 11.84 | 23.69 | 418  | 836  | 185                   | 250  |                                           | 78            | 2650           | 1700    | 1850 | 3300  | DN80   |                          |
| DVA-200(W) | 7.5                      | 109  | 12.75         | 31.88 | 450  | 1126 | 15.27 | 30.53 | 539  | 1078 | 200                   | 270  |                                           | 95            | 3000           | 1950    | 2030 | 4750  | DN100  |                          |
|            | 8.5                      | 123  | 12.73         | 31.82 | 449  | 1124 | 15.22 | 30.44 | 537  | 1075 | 200                   | 270  |                                           | 95            | 3000           | 1950    | 2030 | 4750  | DN100  |                          |
|            | 10.5                     | 152  | 11.39         | 28.48 | 402  | 1006 | 15.11 | 30.22 | 534  | 1067 | 200                   | 270  |                                           | 95            | 3000           | 1950    | 2030 | 4750  | DN100  |                          |
|            | 13.0                     | 189  | 10.00         | 25.00 | 353  | 883  | 13.53 | 27.07 | 478  | 956  | 200                   | 270  |                                           | 95            | 3000           | 1950    | 2030 | 4750  | DN100  |                          |
| DVA-220(W) | 7.5                      | 109  | 14.48         | 36.20 | 511  | 1278 | 18.61 | 37.22 | 657  | 1314 | 220                   | 300  |                                           | 95            | 3000           | 1950    | 2030 | 4800  | DN100  |                          |
|            | 8.5                      | 123  | 14.46         | 36.15 | 511  | 1276 | 18.59 | 37.17 | 656  | 1312 | 220                   | 300  |                                           | 95            | 3000           | 1950    | 2030 | 4800  | DN100  |                          |
|            | 10.5                     | 152  | 12.68         | 31.71 | 448  | 1120 | 16.63 | 33.25 | 587  | 1174 | 220                   | 300  |                                           | 95            | 3000           | 1950    | 2030 | 4800  | DN100  |                          |
|            | 13.0                     | 189  | 11.39         | 28.48 | 402  | 1006 | 13.53 | 27.07 | 478  | 956  | 220                   | 300  |                                           | 95            | 3000           | 1950    | 2030 | 4800  | DN100  |                          |
| DVA-250(W) | 7.5                      | 109  | 17.32         | 43.31 | 612  | 1529 | 21.44 | 42.87 | 757  | 1514 | 250                   | 350  | 95                                        | 3000          | 1950           | 2030    | 4850 | DN100 |        |                          |
|            | 8.5                      | 123  | 17.30         | 43.24 | 611  | 1527 | 20.65 | 41.30 | 729  | 1458 | 250                   | 350  | 95                                        | 3000          | 1950           | 2030    | 4850 | DN100 |        |                          |
|            | 10.5                     | 152  | 14.41         | 36.03 | 509  | 1272 | 18.52 | 37.04 | 654  | 1308 | 250                   | 350  | 95                                        | 3000          | 1950           | 2030    | 4850 | DN100 |        |                          |
|            | 13.0                     | 189  | 12.62         | 31.55 | 446  | 1114 | 16.57 | 33.15 | 585  | 1170 | 250                   | 350  | 95                                        | 3000          | 1950           | 2030    | 4850 | DN100 |        |                          |
| DVA-280(W) | 7.5                      | 109  | 18.64         | 46.59 | 658  | 1645 | 23.58 | 47.16 | 833  | 1665 | 280                   | 375  | 85                                        | 3700          | 2300           | 2450    | 5200 | DN125 |        |                          |
|            | 8.5                      | 123  | 18.61         | 46.53 | 657  | 1643 | 22.82 | 45.64 | 806  | 1612 | 280                   | 375  | 85                                        | 3700          | 2300           | 2450    | 5200 | DN125 |        |                          |
|            | 10.5                     | 152  | 17.18         | 42.95 | 607  | 1516 | 21.28 | 42.56 | 751  | 1503 | 280                   | 375  | 85                                        | 3700          | 2300           | 2450    | 5200 | DN125 |        |                          |
|            | 13.0                     | 189  | 14.36         | 35.89 | 507  | 1267 | 18.47 | 36.95 | 652  | 1305 | 280                   | 375  | 85                                        | 3700          | 2300           | 2450    | 5200 | DN125 |        |                          |
| DVA-315(W) | 7.5                      | 109  | 21.26         | 53.16 | 751  | 1877 | 25.44 | 50.88 | 898  | 1797 | 315                   | 425  | 85                                        | 3700          | 2300           | 2450    | 6000 | DN125 |        |                          |
|            | 8.5                      | 123  | 21.05         | 52.63 | 743  | 1858 | 25.42 | 50.83 | 897  | 1795 | 315                   | 425  | 85                                        | 3700          | 2300           | 2450    | 6000 | DN125 |        |                          |
|            | 10.5                     | 152  | 17.22         | 43.05 | 608  | 1520 | 23.14 | 46.27 | 817  | 1634 | 315                   | 425  | 85                                        | 3700          | 2300           | 2450    | 6000 | DN125 |        |                          |
|            | 13.0                     | 189  | 17.17         | 42.93 | 606  | 1516 | 20.16 | 40.32 | 712  | 1424 | 315                   | 425  | 85                                        | 3700          | 2300           | 2450    | 6000 | DN125 |        |                          |
| DVA-355W   | 7.5                      | 109  | 25.35         | 63.37 | 895  | 2238 | 29.06 | 58.12 | 1026 | 2052 | 355                   | 475  | 85                                        | 4500          | 2500           | 2450    | 7000 | DN125 |        |                          |
|            | 8.5                      | 123  | 25.26         | 63.16 | 892  | 2230 | 28.27 | 56.54 | 998  | 1997 | 355                   | 475  | 85                                        | 4500          | 2500           | 2450    | 7000 | DN125 |        |                          |
|            | 10.5                     | 152  | 21.05         | 52.63 | 743  | 1858 | 25.78 | 51.57 | 910  | 1821 | 355                   | 475  | 85                                        | 4500          | 2500           | 2450    | 7000 | DN125 |        |                          |
|            | 13.0                     | 189  | 17.52         | 43.79 | 618  | 1546 | 22.67 | 45.35 | 801  | 1601 | 355                   | 475  | 85                                        | 4500          | 2500           | 2450    | 7000 | DN125 |        |                          |
| DVA-400W   | 7.5                      | 109  | 28.40         | 70.99 | 1003 | 2507 | 30.86 | 61.72 | 1090 | 2179 | 400                   | 550  | 85                                        | 4500          | 2500           | 2450    | 8000 | DN125 |        |                          |
|            | 8.5                      | 123  | 28.26         | 70.64 | 998  | 2494 | 29.86 | 59.72 | 1054 | 2109 | 400                   | 550  | 85                                        | 4500          | 2500           | 2450    | 8000 | DN125 |        |                          |
|            | 10.5                     | 152  | 21.05         | 52.63 | 743  | 1858 | 28.26 | 56.52 | 998  | 1996 | 400                   | 550  | 85                                        | 4500          | 2500           | 2450    | 8000 | DN125 |        |                          |
|            | 13.0                     | 189  | 18.54         | 46.34 | 655  | 1636 | 25.67 | 51.35 | 906  | 1813 | 400                   | 550  | 85                                        | 4500          | 2500           | 2450    | 8000 | DN125 |        |                          |