



# FSCURTIS®

## SINGLE STAGE AIR COOLED AIR COMPRESSORS

| Model  | Motor |            | Piston Disp.<br>L/min | Actual Air Delivery At<br>8Kg/cm <sup>2</sup> G |       | Working Pressure<br>(Kg/cm <sup>2</sup> G) | Air Receiver          |                   |                                    | Net Weight<br>(Kg) |
|--------|-------|------------|-----------------------|---|-------|--|-----------------------|-------------------|------------------------------------|--------------------|
|        | kW    | Comp R.P.M |                       | L/min   | CFM   |  | Dimensions<br>ø mmxmm | Capacity<br>Liter | Max Pressure<br>Kg/cm <sup>2</sup> |                    |
|        |       |            |                       |   |       |  |                       |                   |                                    |                    |
| VA-65  | 0.75  | 477        | 139                   | 105   | 3.70  | 8  | ø 300x1050            | 70                | 10                                 | 70                 |
| TA-65  | 1.5   | 633        | 302                   | 260   | 9.18  | 8  | ø 300x1050            | 70                | 10                                 | 90                 |
| VA-80  | 2.2   | 651        | 475                   | 365   | 12.89 | 8  | ø 350x1160            | 105               | 10                                 | 130                |
| TA-80  | 3.7   | 875        | 791                   | 580   | 20.48 | 8  | ø 390x1410            | 155               | 10                                 | 188                |
| VA-100 | 5.5   | 955        | 1045                  | 900   | 31.78 | 8  | ø 485x1440            | 245               | 10                                 | 270                |
| TA-100 | 7.5   | 888        | 1464                  | 1150  | 40.61 | 8  | ø 485x1760            | 304               | 10                                 | 340                |
| TA-120 | 11    | 805        | 2183                  | 1758  | 62.09 | 8  | ø 485x1760            | 304               | 10                                 | 445                |
| TA-125 | 15    | 913        | 2857                  | 2307  | 81.48 | 8  | ø 640x1760            | 500               | 10                                 | 540                |



## TWO STAGE AIR COOLED AIR COMPRESSORS

| Model    | Motor |            | Piston Disp.<br>L/min | Actual Air Delivery At<br>12Kg/cm <sup>2</sup> G |       | Working Pressure<br>(Kg/cm <sup>2</sup> G) | Air Receiver          |                   |                                    | Net Weight<br>(Kg) |
|----------|-------|------------|-----------------------|--|-------|--|-----------------------|-------------------|------------------------------------|--------------------|
|          | kW    | Comp R.P.M |                       | L/min  | CFM   |  | Dimensions<br>ø mmxmm | Capacity<br>Liter | Max Pressure<br>Kg/cm <sup>2</sup> |                    |
|          |       |            |                       |  |       |  |                       |                   |                                    |                    |
| HTA-65H  | 2.2   | 923        | 303                   | 255  | 9.00  | 12   | ø 350x1160            | 105               | 13.5                               | 115                |
| HTA-80   | 3.7   | 957        | 575                   | 490  | 17.30 | 12   | ø 390x1410            | 155               | 13.5                               | 200                |
| HTA-100  | 5.5   | 748        | 825                   | 750  | 26.49 | 12   | ø 490x1440            | 245               | 13.5                               | 315                |
| HTA-100H | 7.5   | 986        | 1089                  | 900  | 31.78 | 12   | ø 490x1760            | 304               | 13.5                               | 350                |
| HTA-120  | 11    | 805        | 1556                  | 1450   | 51.21 | 12   | ø 490x1760            | 304               | 13.5                               | 450                |
| HTA-125  | 15    | 863        | 1905                  | 1730   | 61.10 | 12   | ø 640x1760            | 500               | 13.5                               | 520                |



## OIL FREE AIR COOLED AIR COMPRESSORS

| Model       | Motor |            | Piston Disp.<br>L/min | Actual Air Delivery At<br>8Kg/cm <sup>2</sup> G |       | Working Pressure<br>(Kg/cm <sup>2</sup> G) | Air Receiver          |                   |                                    | Net Weight<br>(Kg) |
|-------------|-------|------------|-----------------------|---|-------|--|-----------------------|-------------------|------------------------------------|--------------------|
|             | kW    | Comp R.P.M |                       | L/min   | CFM   |  | Dimensions<br>ø mmxmm | Capacity<br>Liter | Max Pressure<br>Kg/cm <sup>2</sup> |                    |
|             |       |            |                       |   |       |  |                       |                   |                                    |                    |
| FVA-30(II)  | 2.2   | 467        | 513                   | 230   | 8.12  | 8  | ø 485x1440            | 245               | 10                                 | 222                |
| FVA-50(II)  | 3.7   | 700        | 770                   | 440   | 15.54 | 8  | ø 485x1440            | 245               | 10                                 | 240                |
| FVA-75(II)  | 5.5   | 756        | 890                   | 650   | 22.96 | 8  | ø 485x1440            | 245               | 10                                 | 360                |
| FVA-100(II) | 7.5   | 570        | 1060                  | 850   | 30.02 | 8  | ø 485x1770            | 304               | 10                                 | 420                |
| FTA-150(II) | 11    | 668        | 1595                  | 1250  | 44.15 | 8  | ø 485x1770            | 304               | 10                                 | 455                |



## CF SERIES COMPRESSED AIR FILTER



| Filter Type | Pipe Size | Capacity at 8 bar g   |     | Max Pressure<br>(bar g) | Net Weight<br>(Kg) |
|-------------|-----------|-----------------------|-----|-------------------------|--------------------|
|             |           | min <sup>2</sup> /min | cfm |                         |                    |
| CF05        | G½        | 0.66                  | 23  | 16                      | 1.34               |
| CF08        | G½        | 0.96                  | 34  | 16                      | 1.45               |
| CF10        | G½        | 1.32                  | 47  | 16                      | 1.46               |
| CF15        | G¾        | 1.98                  | 70  | 16                      | 1.72               |
| CF20        | G1        | 3.30                  | 116 | 16                      | 4.1                |
| CF40        | G1½       | 5.70                  | 201 | 16                      | 4.52               |
| CF60        | G1½       | 9.00                  | 318 | 16                      | 5.01               |
| CF75        | G1½       | 13.32                 | 470 | 16                      | 7.45               |
| CF125       | G2        | 17.46                 | 616 | 16                      | 10.53              |

| Filter Grade | Particle Removal Down To | Oil Removal Down To*    | Nominal Initial Pressure Drop |
|--------------|--------------------------|-------------------------|-------------------------------|
| P            | 3 micron                 | —                       | 0.03 bar g                    |
| U            | 1 micron                 | 0.1 mg/m <sup>3</sup>   | 0.05 bar g                    |
| H            | 0.01 micron              | 0.01 mg/m <sup>3</sup>  | 0.09 bar g                    |
| C            | —                        | 0.003 mg/m <sup>3</sup> | 0.10 bar g                    |

\* at 20°C



# AIR COOLED SCREW AIR COMPRESSORS

## FIXED SPEED

| Specification                        |  | Model                     | NxD-15   | NxD-22   | NxD-37   | NxD-55  | NxD-75    |
|--------------------------------------|--|---------------------------|----------|----------|----------|---|-----------|
| Air Delivery/<br>Working<br>Pressure | m <sup>3</sup> /min/<br>kg/cm <sup>2</sup> G |                           | 2.5 / 7  | 3.9 / 7  | 6.6 / 7  | 10.3 / 7  | 14.0 / 7  |
|                                      |  |                           | 2.3 / 8  | 3.7 / 8  | 6.3 / 8  | 10.1 / 8  | 12.8 / 8  |
|                                      |  |                           | 2.1 / 10 | 3.2 / 10 | 5.6 / 10 | 8.7 / 10  | 11.8 / 10 |
|                                      |  |                           | 1.8 / 12 | 2.8 / 12 | 4.9 / 12 | 7.8 / 12  | 10.6 / 12 |
| Discharge<br>Air Temp.               | °C   | Ambient temperatur + 15°C |          |          |          | E 40°C (Water Cooler)<br>E Ambient temperature<br>+ 10°C (Air Cooler) |           |
| Lubricant                            | L  | 22                        |          | 26       | 70       |   |           |
| Power Motor                          | Kw   | 15                        | 22       | 37       | 55       | 75  |           |
| Speed Motor                          | Rpm  | 1465                      | 1470     | 1475     | 1480     |   |           |
| Starting Method                      |  | Start Y - Δ               |          |          |          |   |           |
| Voltage                              | Volt   | 380                       |          |          |          |   |           |
| Frequency                            | Hz   | 50                        |          |          |          |   |           |
| Length                               | mm   | 1250                      |          | 1350     | 2000     | 2180  |           |
| Width                                | mm   | 880                       |          | 940      | 1250     | 1330  |           |
| Height                               | mm   | 1515                      |          | 1680     | 1750     | 1850  |           |
| Weight                               | Kg   | 610                       | 670      | 865      | 1640     | 2025  |           |

## VARIABLE SPEED

| Specification                        |  | Model                     | NxV-15      | NxV-22      | NxV-37      | NxV-55  | NxV-75       |
|--------------------------------------|--|---------------------------|-------------|-------------|-------------|---|--------------|
| Air Delivery/<br>Working<br>Pressure | m <sup>3</sup> /min/<br>kg/cm <sup>2</sup> G |                           | 0.75-2.5/7  | 1.17-3.9/7  | 1.98-6.6/7  | 3.09-10.3/7   | 4.2-14.0/7   |
|                                      |  |                           | 0.69-2.3/8  | 1.11-3.7/8  | 1.89-6.3/8  | 3.03-9.7/8  | 3.84-12.8/8  |
|                                      |  |                           | 0.63-2.1/10 | 0.96-3.2/10 | 1.68-5.6/10 | 2.52-8.7/10   | 3.54-11.8/10 |
|                                      |  |                           | 0.54-1.8/12 | 0.84-2.8/12 | 1.47-4.9/12 | 2.28-7.8/12   | 3.18-10.6/12 |
| Discharge<br>Air Temp.               | °C   | Ambient temperatur + 15°C |             |             |             | E 40°C (Water Cooler)<br>E Ambient temperature<br>+ 10°C (Air Cooler) |              |
| Lubricant                            | L  | 22                        |             | 26          | 70          |   |              |
| Power Motor                          | Kw   | 15                        | 22          | 37          | 55          | 75  |              |
| Speed Motor                          | Rpm  | 1465                      | 1470        | 1475        | 1480        |   |              |
| Starting Method                      |  | Start Y - Δ               |             |             |             |   |              |
| Voltage                              | Volt   | 380                       |             |             |             |   |              |
| Frequency                            | Hz   | 50                        |             |             |             |   |              |
| Length                               | mm   | 1250                      |             | 1350        | 2000        | 2180  |              |
| Width                                | mm   | 880                       |             | 940         | 1250        | 1330  |              |
| Height                               | mm   | 1515                      |             | 1680        | 1750        | 1850  |              |
| Weight                               | Kg   | 540                       | 550         | 755         | 1660        | 2010  |              |



## HIGH EFFICIENCY REFRIGERATED COMPRESSED AIR DRYER

| Type  | RDS<br>005AP  | RDS<br>010AP | RDS<br>015AP | RDS<br>020AP | RDS<br>030APX | RDS<br>050APX | RDS<br>075APX     | RDS<br>100APX |
|---|---|--------------|--------------|--------------|---------------|---------------|-------------------|---------------|
| 50Hz max. capacity<br>(m <sup>3</sup> /min) | 0.83  | 1.4          | 1.7          | 2.7          | 3.9           | 7.5           | 11.1              | 15            |
| Air inlet temp.                             | 50° (Max. 80°C) Capacity varies with different temperature  |              |              |              |               |               |                   |               |
| Environment temp.                           | 32° (Max. 40°C) Capacity varies with different temperature  |              |              |              |               |               |                   |               |
| Dew point                                   | Dew point 2 ~ 10°C at 7kg/cm <sup>2</sup> G   |              |              |              |               |               |                   |               |
| Operating pressure                          | 7kg/cm <sup>2</sup> G Capacity varies with different pressure, Max. pressure: 10kg/cm <sup>2</sup> G Higher pressure available upon request |              |              |              |               |               |                   |               |
| Refrigerant                                 | R134A   |              |              |              | R407C         |               |                   |               |
| Power consumption (KW/50Hz)                 | 0.4   | 0.55         | 0.7          | 0.8          | 1.3           | 1.8           | 2.0               | 2.5           |
| Power supply                                | 1Ph / 220V / 50Hz   |              |              |              |               |               | 3Ph / 380V / 50Hz |               |
| Air piping size                             | G1/2"   | G1"          | G1/4"        | G1/4"        | G1/2"         | G2"           | G2"               | G2"           |
| Dimension (mm)                              | L   | 640          | 720          | 720          | 840           | 1070          | 1070              | 1500          |
|   | W   | 405          | 490          | 490          | 490           | 600           | 600               | 940           |
|   | H   | 575          | 730          | 730          | 750           | 900           | 900               | 1130          |
| Net weight (Kg)                             | 56  | 68           | 75           | 90           | 140           | 150           | 315               | 365           |

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