



**Low  
Pressure**



## Energy Saving AA3 Series

- Specially Designed Air End for Low Pressure Applications
- High Output with Low Power Consumption
- Can save more than 30% of electricity than regular 7 bar compressors made to work at lower pressures
- Forced Oil Circulation System ensures better lubrication at lower discharge pressure with adequately sized oil tank, coolers etc.

# Applications



**Weaving**



**Conveying**



**Air Texturizing**



**Air Agitation**

## Technical Specifications

| Model                  |                        |  | AA3 22L            | AA3 37L | AA3 45L | AA3 55L | AA3 75L | AA3 90L | AA3 110L | AA3 132L | AA3 160L | AA3 185L | AA3 200L | AA3 220L | AA3 250L |          |
|------------------------|------------------------|--|--------------------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Compressor             | Air Flow <sup>*</sup>  | 4 bar cfm  | 190                | 261     | 328     | 494     | 618     | 706     | 882      | 1095     | 1272     | 1519     | 1589     | 1695     | 1836     |          |
|                        |                        | 0.4 Mpa m <sup>3</sup> /min  | 5.4                | 7.4     | 9.3     | 14      | 17.5    | 20      | 25       | 31       | 36       | 43       | 45       | 48       | 52       |          |
|                        | Air Outlet Size (inch) |  | 1 <sup>1/2</sup> " | 2"      | 2"      | DN80-16 | DN80-16 | DN80-16 | DN80-16  | DN80-16  | DN80-16  | DN80-16  | DN125-16 | DN125-16 | DN125-16 | DN125-16 |
|                        | Transmission Mode      |  | Direct             |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Lubricant Volume (L)   |                        | 25   | 30                 | 55      | 65      | 80      | 85      | 90      | 90       | 120      | 120      | 160      | 160      | 180      |          |          |
| Motor                  | Rated Output (kW)      |  | 22                 | 37      | 45      | 55      | 75      | 90      | 110      | 132      | 160      | 185      | 200      | 220      | 250      |          |
|                        | Rated Output (Hp)      |  | 30                 | 50      | 60      | 75      | 100     | 125     | 150      | 175      | 210      | 250      | 275      | 300      | 335      |          |
|                        | Frequency (Hz)         |  | 50                 |         |         |         |         |         |          |          |          |          |          |          |          |          |
|                        | Type                   |  | TEFC               |         |         |         |         |         |          |          |          |          |          |          |          |          |
|                        | Starting               |  | Y-Δ                |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Safety Protection      |                        | Safety Valve, High Discharge Temperature and Pressure Protection, Over Current Protection, Phase Loss/Phase Sequence Monitoring  |                    |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Maintenance Indication |                        | Air Filter, Oil Filter, Fine Separator, Oil Change, Motor Greasing   |                    |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Micro Controller       |                        | Digital Temperature/Pressure Display Control, Auto Running/Stop Control, Timer Running/Stop Control, Master/Slave Interlock Control (Optional), Scalable Central Monitor (Optional). |                    |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Net Weight             |                        | 700  | 850                | 100     | 1400    | 1700    | 2100    | 2950    | 3250     | 3700     | 4500     | 5400     | 5550     | 5800     |          |          |
| Dimensions             | Length                 |  | 1500               | 1550    | 1750    | 2150    | 2150    | 2600    | 2650     | 2650     | 2750     | 3000     | 3200     | 3200     | 3200     |          |
|                        | Width                  |  | 970                | 1050    | 1200    | 1400    | 1400    | 1650    | 1800     | 1800     | 2000     | 2000     | 2000     | 2000     | 2000     |          |
|                        | Height                 |  | 1350               | 1350    | 1500    | 1800    | 1800    | 1900    | 1900     | 2050     | 2050     | 2050     | 2050     | 2050     | 2050     |          |

<sup>\*</sup>Liabale for minor changes on final selection during design