

# BECAUSE EXPERIENCE MATTERS



OF SERIES  
OIL-FREE AIR COMPRESSORS  
20-75 HP & 75-220 HP

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Chicago Pneumatic's OF 20-75 HP & 75-220 HP line of oil-free rotary compressors brings you outstanding sustainability, reliability and performance, while minimizing the total cost of ownership. Built to perform even in the harshest environments, these compressors keep your production running efficiently.



## 1 LOW COST OF OWNERSHIP

- Efficient inlet filter minimizes intake losses.
- World-class oil-free compression rotors deliver premium efficiency and energy savings.

## 3 MAXIMIZE YOUR SYSTEM PERFORMANCE

- Advanced (Airlogic) controller allows you to monitor your OF and optimize its performance.

## 2 RELIABILITY YOU CAN COUNT ON

- Precision gears ensure a long lifetime and low transmission losses.
- Superior air end bearings offer stability without the need for pre-lubrication or stabilization.
- Completely enclosed fan-cooled motor is insulated against environmental contaminants.
- Water separator protects your downstream equipment from moisture.





CERTIFIED  
**100%**  
OIL-FREE AIR

Chicago Pneumatic is renowned for designing and manufacturing the most durable oil-free rotary compressors. The OF series extends this strong tradition. Ideal for industries where high-quality oil-free air is key, the OF delivers the quality air that protects the safety and quality of your production.



#### AIR QUALITY CLASS 0 ISO8573-1 OIL-FREE

Some applications require absolutely, unquestionably clean air. That is why Chicago Pneumatic delivers air that is certified to be 100% free of any traces of oil, aerosols or other contaminants.

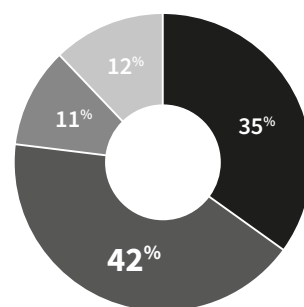
| CLASS | Concentration total oil (aerosol, liquid, vapor) mg/m <sup>3</sup>             |
|-------|--------------------------------------------------------------------------------|
| 0     | As specified by the equipment user or supplier and more stringent than class 1 |
| 1     | < 0.01                                                                         |
| 2     | < 0.1                                                                          |
| 3     | < 1                                                                            |
| 4     | < 5                                                                            |

## WHY EFFICIENCY MATTERS?

Energy costs represent about 70% of the total operating cost of your compressor over a 5-year period. Therefore, reducing the energy consumption of your compressed air installation should be a major focus to ensure the lowest cost of ownership.

## HOW VSD HELPS YOU SAVE?

As a majority of customers have a fluctuating demand for compressed air, variable speed compressors have proven to be superior to fixed speed compressors when it comes to reducing the energy costs. By matching the air supply to the air demand, unload losses are avoided, and energy costs decrease on average by 35%.



#### Chicago Pneumatic Compressor Total Life Cycle Cost

- Energy savings with VSD
- Energy
- Investment
- Maintenance

# CORE TECHNOLOGIES

## EXCLUSIVE INVERTER DESIGN

The imperium\* inverter is designed specifically for compressed air applications, eliminating the usual sensitivity to dust and heat. The electronics are intelligently protected by an IP5X enclosure which dissipates heat via a fan-cooled heat sink.

**The imperium operates in high ambient temperatures with operation at full power between -20°C/-4°F and 50°C/122°F.**

\*Available on OF50-75V/ \*\*Siemens on OF30V



## INTEGRATED DIRECT-DRIVEN OIL PUMP

All Chicago Pneumatic oil-free rotary compressors feature a gear rotor type oil pump mounted on the main shaft. When the motor is running, the required oil pressure is delivered to the bearings. Even in a power loss situation, the oil pump operates while the motor slows its rotation.

\*Gear rotor type pump mounted on main shaft

## NETWORKING & REMOTE MONITORING

The latest Airlogic controller offers you the monitoring and control capabilities to maximize the reliability and performance of your OF compressor. Cloud analysis of the Airlogic data helps schedule optimum service intervention, predicts failure and measures overall machine health.



# SERVICES

## WARRANTY SERVICE PACKAGE

With a Warranty Service Package, all your maintenance needs are fully covered for up to 5 years. We take care of all routine and non-routine services, so you can focus 100% on your core business.

- Enjoy **full warranty coverage** up to 5 years including expert on-time service or repairs, preventive maintenance, original parts and periodic upgrades.
- With a **fixed total cost of ownership**, you have complete control over your maintenance budget.
- We protect your investment by using high-quality original parts that are specifically designed for your compressed air system and guarantee higher **energy efficiency** and a longer lifespan of your installation.

Service packages can be customized and tailored according to your needs! Discuss with your local authorized service provider.



\*Warranty package is available at additional cost. To know more, contact Chicago Pneumatic representative.



# OF

## TECHNICAL DATA

| OF 20-60  | Working Pressure |         |      | Capacity FAD |        |     | Installed Motor |    | Weight |      |
|-----------|------------------|---------|------|--------------|--------|-----|-----------------|----|--------|------|
|           |                  | bar (e) | psig | l/s          | m³/min | cfm | kW              | hp | kg     | lb   |
| Model No. |                  |         |      |              |        |     |                 |    |        |      |
| OF20-7.5  | -                | 7.5     | 109  | 38           | 2.3    | 81  | 15              | 20 | 984    | 2169 |
| OF20-8.6  | -                | 8.6     | 125  | 35           | 2.1    | 74  | 15              | 20 | 984    | 2169 |
| OF20-10   | -                | 10      | 145  | 30           | 1.8    | 64  | 15              | 20 | 984    | 2169 |
| OF25-7.5  | -                | 7.5     | 109  | 48           | 2.9    | 102 | 18.5            | 25 | 1014   | 2235 |
| OF25-8.6  | -                | 8.6     | 125  | 46           | 2.8    | 98  | 18.5            | 25 | 1014   | 2235 |
| OF25-10   | -                | 10      | 145  | 36           | 2.2    | 76  | 18.5            | 25 | 1014   | 2235 |
| OF30-7.5  | -                | 7.5     | 109  | 59           | 3.5    | 125 | 22              | 30 | 1024   | 2257 |
| OF30-8.6  | -                | 8.6     | 125  | 53           | 3.2    | 112 | 22              | 30 | 1024   | 2257 |
| OF30-10   | -                | 10      | 145  | 45           | 2.7    | 95  | 22              | 30 | 1024   | 2257 |
| OF40-7.5  | -                | 7.5     | 109  | 79           | 4.7    | 167 | 30              | 40 | 1251   | 2758 |
| OF40-8.6  | -                | 8.6     | 125  | 74           | 4.4    | 157 | 30              | 40 | 1251   | 2758 |
| OF50-7.5  | -                | 7.5     | 109  | 96           | 5.8    | 204 | 37              | 50 | 1321   | 2912 |
| OF50-8.6  | -                | 8.6     | 125  | 92           | 5.5    | 195 | 37              | 50 | 1321   | 2912 |
| OF60-7.5  | -                | 7.5     | 109  | 114          | 6.8    | 242 | 45              | 60 | 1341   | 2956 |
| OF60-8.6  | -                | 8.6     | 125  | 109          | 6.5    | 231 | 45              | 60 | 1341   | 2956 |

| OF 30-75V | Working Pressure |         |      | Capacity FAD |         |        | Installed Motor |    | Weight |      |
|-----------|------------------|---------|------|--------------|---------|--------|-----------------|----|--------|------|
|           |                  | bar (e) | psig | l/s          | m³/min  | cfm    | kW              | hp | kg     | lb   |
| OF30V-10  | Minimum          | 4       | 58   | 21-57        | 1.3-3.4 | 45-121 | 22              | 30 | 1091   | 2405 |
|           | Effective        | 7       | 102  | 20-56        | 1.2-3.4 | 42-119 |                 |    |        |      |
|           | Maximum          | 10      | 145  | 19-47        | 1.1-2.8 | 40-100 |                 |    |        |      |
| OF50V-8.6 | Minimum          | 4       | 58   | 42-102       | 2.5-6.1 | 89-216 | 37              | 50 | 1386   | 3056 |
|           | Effective        | 7       | 102  | 41-101       | 2.5-6.1 | 87-214 |                 |    |        |      |
|           | Maximum          | 8.6     | 125  | 41-95        | 2.5-5.7 | 87-201 |                 |    |        |      |
| OF75V-8.6 | Minimum          | 4       | 58   | 42-144       | 2.5-8.6 | 89-305 | 55              | 75 | 1386   | 3056 |
|           | Effective        | 7       | 102  | 41-143       | 2.5-8.6 | 87-303 |                 |    |        |      |
|           | Maximum          | 8.6     | 125  | 41-139       | 2.5-8.3 | 87-295 |                 |    |        |      |

| Model No. | Standard       |               |                |
|-----------|----------------|---------------|----------------|
|           | A              | B             | C              |
|           | Length (mm/in) | Width (mm/in) | Height (mm/in) |
| OF20-30   | 1760           | 1026          | 1621           |
| OF40-60   | 2005           | 1026          | 1880           |
| OF30V     | 2195           | 1026          | 1621           |
| OF50-75V  | 2440           | 1026          | 1880           |



# OF

## TECHNICAL DATA

| OF 75-200 | Working Pressure |         |      | Capacity FAD |        |     | Installed Motor |     | Weight |      |
|-----------|------------------|---------|------|--------------|--------|-----|-----------------|-----|--------|------|
|           | Model No.        | bar (e) | psig | l/s          | m³/min | cfm | kW              | hp  | kg     | lb   |
|           | OF75-7.5         | -       | 7.5  | 109          | 8.3    | 295 | 55              | 75  | 1980   | 4365 |
|           | OF75-8.6         | -       | 8.6  | 125          | 8.2    | 290 | 55              | 75  | 1980   | 4365 |
|           | OF100-7.5        | -       | 7.5  | 109          | 12.1   | 426 | 75              | 100 | 2165   | 4773 |
|           | OF100-8.6        | -       | 8.6  | 125          | 10.9   | 386 | 75              | 100 | 2165   | 4773 |
|           | OF125-7.5        | -       | 7.5  | 109          | 237    | 502 | 90              | 125 | 2205   | 4861 |
|           | OF125-8.6        | -       | 8.6  | 125          | 224    | 475 | 90              | 125 | 2205   | 4861 |
|           | OF150-7.5        | -       | 7.5  | 109          | 307    | 651 | 110             | 150 | 2875   | 6338 |
|           | OF150-8.6        | -       | 8.6  | 125          | 286    | 606 | 110             | 150 | 2875   | 6338 |
|           | OF175-7.5        | -       | 7.5  | 109          | 363    | 770 | 132             | 175 | 2965   | 6537 |
|           | OF175-8.6        | -       | 8.6  | 125          | 325    | 689 | 132             | 175 | 2965   | 6537 |
|           | OF200-7.5        | -       | 7.5  | 109          | 387    | 820 | 145             | 200 | 3050   | 6724 |
|           | OF200-8.6        | -       | 8.6  | 125          | 358    | 759 | 145             | 200 | 3050   | 6724 |

| OF 100-220V | Working Pressure |         |      | Capacity FAD |           |         | Installed Motor |     | Weight |      |
|-------------|------------------|---------|------|--------------|-----------|---------|-----------------|-----|--------|------|
|             | Model No.        | bar (e) | psig | l/s          | m³/min    | cfm     | kW              | hp  | kg     | lb   |
| OF100V-8.6  | Minimum          | 4       | 58   | 124-209      | 7.4-12.5  | 263-443 | 75              | 100 | 2145   | 4729 |
|             | Effective        | 7       | 102  | 126-210      | 7.6-12.6  | 267-445 |                 |     |        |      |
|             | Maximum          | 8.6     | 125  | 144-167      | 8,6-10,0  | 305-354 |                 |     |        |      |
| OF125V-8.6  | Minimum          | 4       | 58   | 124-254      | 7.4-15.2  | 263-538 | 90              | 125 | 2145   | 4729 |
|             | Effective        | 7       | 102  | 126-259      | 7.6-15.5  | 267-549 |                 |     |        |      |
|             | Maximum          | 8.6     | 125  | 144-186      | 8,6-11,2  | 305-394 |                 |     |        |      |
| OF150V-8.6  | Minimum          | 4       | 58   | 162-320      | 9.7-19.2  | 343-678 | 110             | 150 | 2925   | 6449 |
|             | Effective        | 7       | 102  | 161-319      | 9.7-19.1  | 341-676 |                 |     |        |      |
|             | Maximum          | 8.6     | 125  | 161-298      | 9.7-17.9  | 341-632 |                 |     |        |      |
| OF175V-8.6  | Minimum          | 4       | 58   | 184-370      | 11.0-22.2 | 390-784 | 132             | 175 | 3015   | 6647 |
|             | Effective        | 7       | 102  | 184-369      | 11.0-22.1 | 390-782 |                 |     |        |      |
|             | Maximum          | 8.6     | 125  | 183-346      | 11.0-20.8 | 388-734 |                 |     |        |      |
| OF220V-8.6  | Minimum          | 4       | 58   | 184-389      | 11.0-23.3 | 390-825 | 160             | 220 | 3100   | 6834 |
|             | Effective        | 7       | 102  | 184-389      | 11.0-23.3 | 390-825 |                 |     |        |      |
|             | Maximum          | 8.6     | 125  | 183-367      | 11.0-22.0 | 388-778 |                 |     |        |      |

| Model No.      | Standard       |               |                |
|----------------|----------------|---------------|----------------|
|                | A              | B             | C              |
|                | Length (mm/in) | Width (mm/in) | Height (mm/in) |
| OF75-125V-8.6  | 2700           | 1600          | 1800           |
| OF150-220V-8.6 | 3400           | 1660          | 2150           |



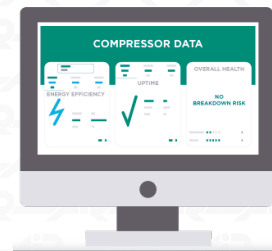
# ICONS

## INCREASED UPTIME, POWERED BY ICONS

With the **Intelligent CONnectivity System (ICONS)**, you get data and insights from your machines delivered to your computer, tablet or smartphone.



- Increase the **reliability** of your machine by identifying problems before they become a threat to the continuity of your production.
- **Analyze and optimize** your energy consumption and CO<sub>2</sub> emissions.
- Receive high-quality **energy reports** ensuring the ISO50001 compliance of your site.



## CHICAGO PNEUMATIC

100+ YEARS OF INDUSTRIAL EXCELLENCE IN INDIA

Established in 1904 in the United States, Chicago Pneumatic has been a global leader in the design,

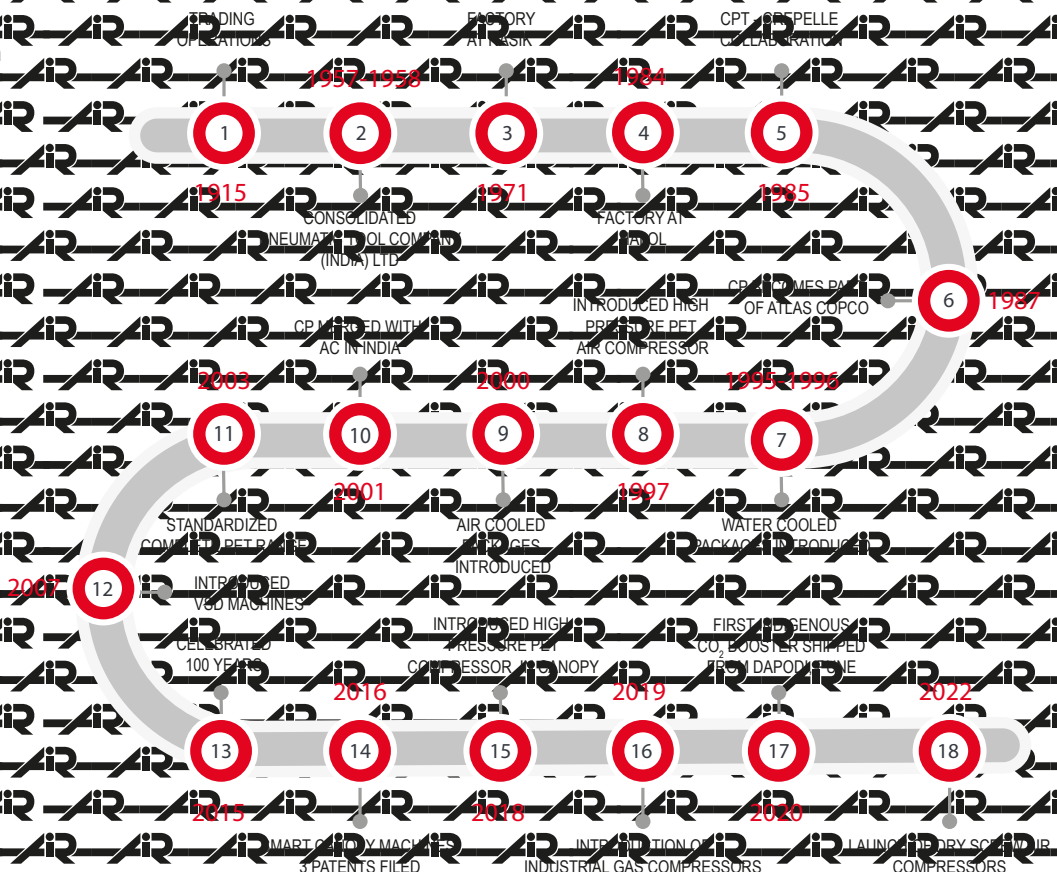
manufacture and distribution of high performance air pressure. Today,

Chicago Pneumatic is an international brand that offers quality products to meet every requirement across almost all industries. Driven

by a passion for research, development, manufacture and deliver products that meet your exact needs, we want our customers' businesses to excel, regardless of the industry. In addition

to pioneering design, high impact technology and durability, Chicago Pneumatic means Customer Value. We as a brand have always

emphasized the importance of local service in order to build global reach. When it comes to meeting global quality standards, you really need not look any further.







**People. Passion. Performance.**

## **Chicago Pneumatic Compressors, India**

Your lifetime partner for total compressed air and gas solution

Sveagar, Dapodi  
Old Mumbai-Pune Highway  
Pune, Maharashtra  
411012 India.

☎ 1800 120 110 040

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