



# FSCURTIS



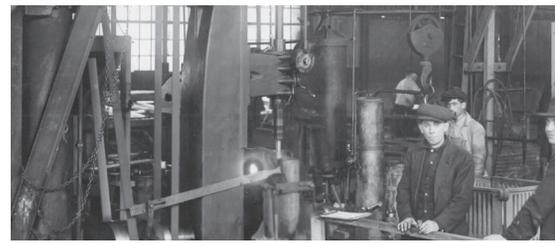
RECIPROCATING  
AIR COMPRESSORS  
5 - 15 HP

# CA SERIES



**SOME COMPANIES ARE FOUNDED ON HARD WORK.  
OTHERS ARE FOUNDED ON IDEALS.**

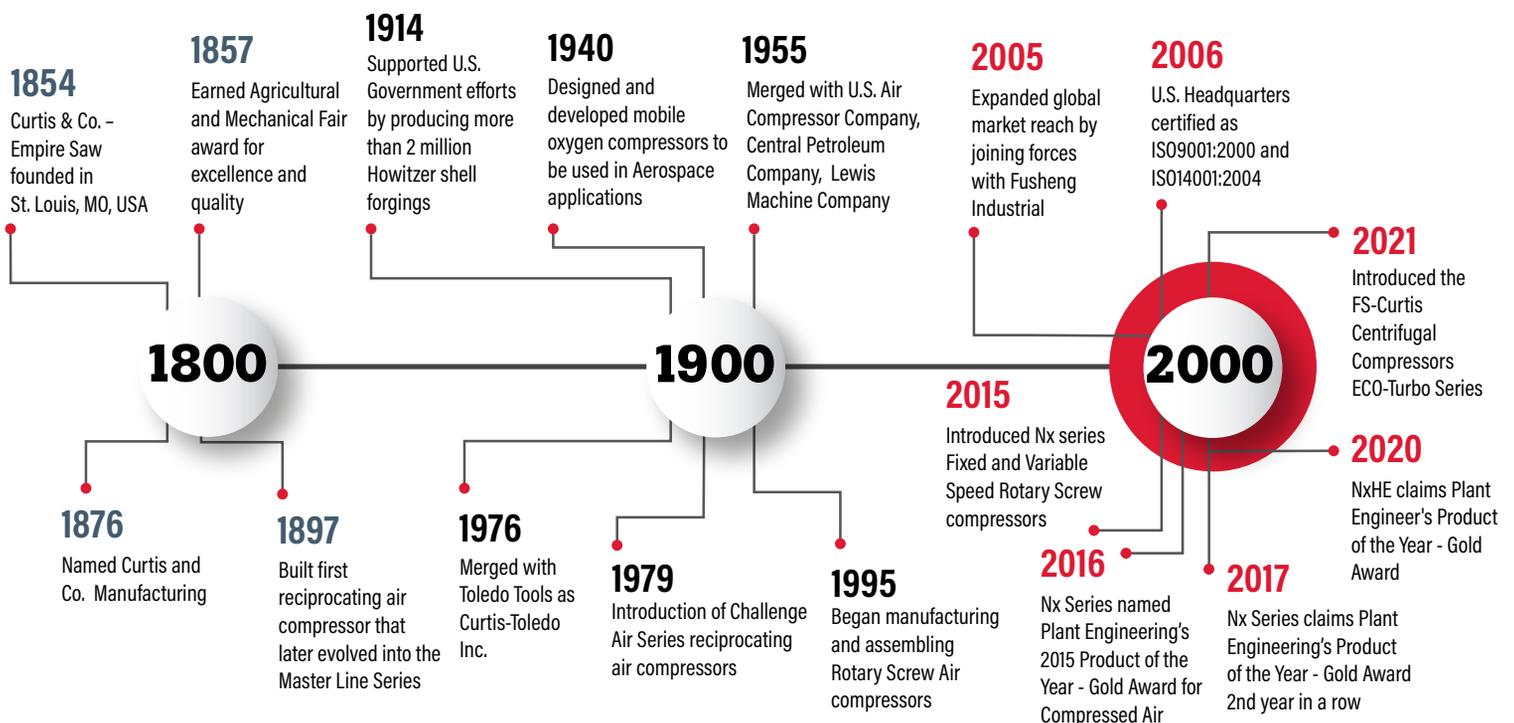
**FS-CURTIS WAS  
FOUNDED ON BOTH.**



One-hundred and seventy years ago, the FS-Curtis way of doing business was established through two key commitments: a dedication to building quality products and a dedication to responsive customer service.

Over the decades, the company and its products have evolved through innovation and new technologies. But those commitments to quality and service remain unchanged. Today, just as in 1854, FS-Curtis customers can depend on our products for reliable, long-term service. Equally as important, they can depend on getting the same from our people.

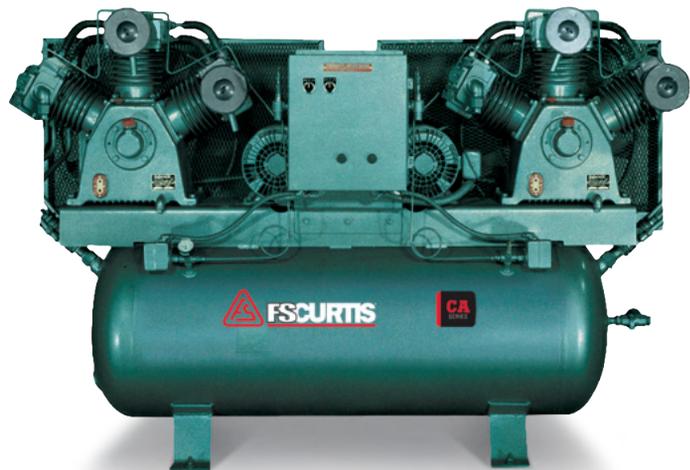
# A HISTORY OF EXCELLENCE



# THE INDUSTRY WORKHORSE

All critical components in the CA Series are selected and assembled for long-term performance. So you won't have to worry about the cylinders, cylinder heads, crankshaft, connecting rods or pistons wearing out before their time. Plus, stainless steel valves are included on all models. Just as important as the materials is the FS-Curtis standard for quality. All parts are manufactured to precision tolerances for high efficiency, powerful performance and years of service under demanding conditions.

- Industrial design for superior performance and reliability in variable demand applications.
- Performance and dependability for challenging applications.
- All cast iron construction for long reliable service life.
- Precision machined components that are meant for real world working conditions.
- High flow, heavy duty stainless steel channel valve design delivers more CFM per horsepower.
- Simple and reliable splash lubrication.
- High efficiency, powerful performance and years of service under demanding conditions.
- Simplex, Duplex, and UltraPack models to suit every application.
- Two-stage compression with inter-cooling to remove heat of compression and improve efficiency.
- Auto start/stop control with optional dual control on 10 hp and above.
- Wide variety of options available.



# CA SERIES

## FEATURES AT A GLANCE

### THE MOST DURABLE PUMP CONSTRUCTION AVAILABLE

Meticulous material selection ensures long-term reliability.

- 100% cast-iron cylinders and cylinder heads
- Long-lasting, corrosion-resistant crankshaft
- Reduces thermal stress for increased reliability
- Deep-finned cast-iron cylinders and cylinder head for cool operation
- Slow-turning pump increases pump life

### INDUSTRIAL DESIGN

The most robust reciprocating air compressor in its class.

- Provides higher pressures, better efficiency and longer life
- Ready to handle rugged, heavy-duty applications

### QUALITY COMPONENTS

For extended product life and continuous performance

- Industrial-grade main roller bearings are precision fit for support of all rotating parts
- High-flow, heavy-duty stainless-steel valve system delivers more cfm per horsepower
- Robust intercooler increases compressor efficiency
- Metal intake filter/silencer is superior to plastic
- Heavy-duty stamped-steel belt guard
- Suction valve head unloaders for continuous running air compressors



# CA SERIES

## FEATURES AT A GLANCE

### SIMPLEX

Properly sized simplex compressors are well suited for industrial applications with variable demand.

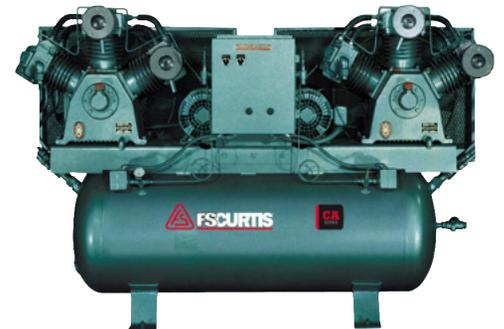
- Magnetic motor starter
- Manual tank drain
- Oil sight glass
- Horizontal or vertical tank configurations available
- Factory oil filled



### DUPLEX

Duplex compressors are ideal for redundancy, alternating two pumps during constant demand periods, and providing "trim" capacity.

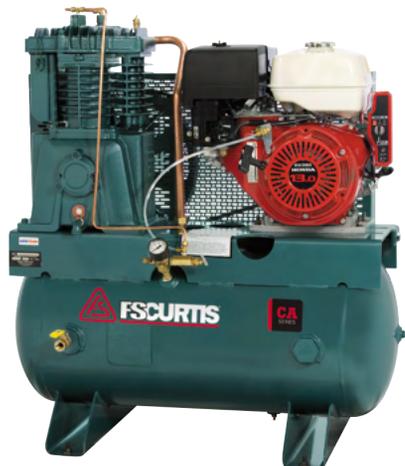
- Alternator control panel comes mounted with magnetic motor starters and thermal overload protection
- Compressors alternate during normal operation
- Both compressors run when system demands
- Duplex design reduces electrical cost and eliminates downtime
- Factory oil filled



### GAS DRIVEN

Gas-driven models are ideal for applications that require air when electricity isn't readily available. FS-Curtis gas-driven models are perfect for fleet and service applications.

- Choose between Kohler or Honda engines
- Tank mount or base mount configurations
- OSHA-approved totally enclosed metal belt guard
- ASME-approved air receiver
- 12V DC starter with alternator
- Engine idle control



### ULTRAPACK

CA Series compressors are already an outstanding value, and an FS-Curtis UltraPack gives you even more. An UltraPack includes a CA Series compressor fully packaged with the most common options and accessories. You'll save money and time by getting it all in one package, and you'll be assured of increasing air quality while reducing maintenance needs. Industry-leading five-year UltraShield warranty available - talk with your FS-Curtis representative for more details.

- Air-cooled aftercooler
- Magnetic motor starter (Simplex)
- Alternator panel (Duplex)
- Dual control (10-15HP Simplex)
- Low oil level shutdown
- Automatic tank drain
- Tank isolator pads
- Factory oil filled



# CA SERIES

## TECHNICAL DATA

| STANDARD FEATURES   | STANDARD<br>(Simplex /<br>Duplex) | ULTRAPACK<br>(Simplex /<br>Duplex) | GAS-DRIVEN |
|---|-----------------------------------|------------------------------------|------------|
| 100% cast-iron cylinders and cylinder heads                                 | X                                 | X                                  | X          |
| Factory oil filled  | X                                 | X                                  | X          |
| Magnetic motor starter (Simplex)  | X                                 | X                                  |            |
| Alternator control panel complete with magnetic starters (Duplex)           | X                                 | X                                  |            |
| NEMA-designed electric motor  | X                                 | X                                  |            |
| Automatic start/stop control  | X                                 | X                                  |            |
| ASME-approved air receiver  | X                                 | X                                  | X          |
| Manual condensate tank drain valve  | X                                 | X                                  | X          |
| Dial read-out pressure gauge  | X                                 | X                                  | X          |
| U.L.-approved pressure switch   | X                                 | X                                  |            |
| ASME-approved safety valve  | X                                 | X                                  | X          |
| Discharge valve   | X                                 | X                                  | X          |
| Metal intake filter/silencers   | X                                 | X                                  | X          |
| Dynamically balanced flywheel   | X                                 | X                                  | X          |
| OSHA-approved totally enclosed metal belt guard                             | X                                 | X                                  | X          |
| Gasoline engine (Honda or Kohler)   |                                   |                                    | X          |
| Dual control (Simplex only)   | 0                                 | UP                                 |            |
| Air-cooled aftercooler  | 0                                 | UP                                 |            |
| Low oil level shutdown  | 0                                 | UP                                 |            |
| Automatic tank drain  | 0                                 | UP                                 |            |
| Tank isolator pads  | 0                                 | UP                                 | 0          |
| <i>X - Standard Feature   0 - Optional Feature   UP - UltraPack Feature</i> |                                   |                                    |            |

# CA SERIES

## TECHNICAL DATA

### ELECTRIC MODELS

| MODEL | HP  | PUMP | CYLINDERS | CFM<br>@ 175 PSI | CONFIGURATION | STANDARD PACKAGE |                               |                  | ULTRAPACK*     |                               |                  |
|-------|-----|------|-----------|------------------|---------------|------------------|-------------------------------|------------------|----------------|-------------------------------|------------------|
|       |     |      |           |                  |               | TANK<br>(gal.)   | DIMENSIONS<br>(L x W x H in.) | WEIGHT<br>(lbs.) | TANK<br>(gal.) | DIMENSIONS<br>(L x W x H in.) | WEIGHT<br>(lbs.) |
| CA5+  | 5   | E57  | 2         | 18.5 Simplex     | Horizontal    | 80               | 69 x 24 x 47                  | 510              | 80             | 67 x 29 x 51                  | 575              |
|       |     |      |           |                  | Vertical      |                  | 36 x 25 x 74                  |                  |                | 39 x 32 x 77                  |                  |
|       |     |      |           | 37 Duplex        | Horizontal    | 120              | 76 x 27 x 52                  | 910              | 120            | 78 x 29 x 53                  | 975              |
| CA7.5 | 7.5 | E57  | 2         | 23.2 Simplex     | Horizontal    | 80               | 69 x 24 x 47                  | 530              | 80             | 69 x 32 x 48                  | 580              |
|       |     |      |           |                  | Vertical      |                  | 36 x 25 x 74                  |                  |                | 39 x 37 x 75                  |                  |
|       |     |      |           | 46.4 Duplex      | Horizontal    | 120              | 76 x 28 x 52                  | 930              | 120            | 78 x 31 x 53                  | 995              |
| CA10  | 10  | E71  | 3         | 34.2 Simplex     | Horizontal    | 120              | 74 x 26 x 53                  | 940              | 120            | 74 x 37 x 54                  | 1026             |
|       |     |      |           |                  | Vertical      |                  | 45 x 34 x 80                  |                  |                | 45 x 34 x 80                  |                  |
|       |     |      |           | 68.4 Duplex      | Horizontal    | 120              | 90 x 30 x 53                  | 1225             | 120            | 96 x 32 x 53                  | 1311             |
| CA15  | 15  | E15  | 3         | 42.6 Simplex     | Horizontal    | 120              | 74 x 28 x 57                  | 1225             | 120            | 74 x 35 x 58                  | 1311             |

### GAS-DRIVEN MODELS

| MODEL   | HP | ENGINE | PUMP | CYLINDERS | TANK<br>(gal.) | CFM<br>@ 175 PSI | DIMENSIONS<br>(L x W x H in.) | WEIGHT<br>(lbs.) |
|---------|----|--------|------|-----------|----------------|------------------|-------------------------------|------------------|
| CA13-H* | 13 | Honda  | E57  | 2         | 30             | 22               | 50 x 24 x 50                  | 460              |
| CA14-K* | 14 | Kohler | E57  | 2         | 30             | 22.5             | 50 x 24 x 43                  | 486              |



# CONTINUED COMMITMENT

A company history that dates 170 years is a company history that, to us, is just the beginning. FS-Curtis is committed to offering a world-class portfolio of products. Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be the most trusted and dependable name in compressed air serving even more markets through our ever-growing global presence.

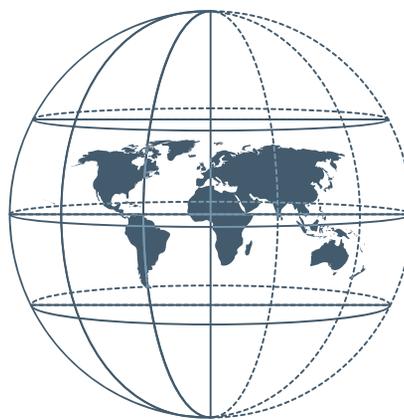


You can count on **FS-Curtis** to approach the next 170 years by staying true to the values and strengths that are appreciated by our customers today.

## A WORLD OF DIFFERENCE

The FS-Curtis headquarters in St. Louis, Missouri, U.S.A. is the anchor of a larger global network. FS-Curtis builds quality products – and a quality reputation – at locations around the world.

In addition to our manufacturing and packaging locations, a large global network of sales agents and distributors ensures that sales and service support is available around the world, day in and day out.



### ST. LOUIS, MO USA (HEADQUARTERS)

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CORPLITERATURE: FSL-CABROCHUREV1  
Improvements and research are continuous at FS-Curtis. Specifications may change without notice.

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