

CT SERIES

RECIPROCATING AIR COMPRESSORS



**RECIPROCATING
AIR COMPRESSORS
5-10 HP**



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

FS-CURTIS WAS FOUNDED ON BOTH.

A HISTORY OF

1854

Curtis & Co. –
Empire Saw founded
in St. Louis, MO, USA

1857

Earned Agricultural
and Mechanical Fair
award for excellence
and quality

1876

Named Curtis
and Co.
Manufacturing

1897

Built first
reciprocating
air compressor
that later evolved
into the Master
Line Series

1914

Supported U.S.
Government efforts
by producing more
than 2 million Howitzer
shell forgings

1940

Designed and
developed
mobile oxygen
compressors to be
used in Aerospace
applications

1955

Merged with U.S.
Air Compressor
Company, Central
Petroleum Company,
Lewis Machine
Company



REAL-WORLD PEOPLE

When you're successful, we're successful. That's why FS-Curtis listens. Trust and dependability are the foundations of our past and the fabric of our future, so you can count on being treated with the personal touch you deserve.

“Trust and dependability are the foundations of our past and the fabric of our future.”

~ Brent Becker – President, FS-Curtis

More than 150 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.

EXCELLENCE

1976

Merged with Toledo Tools as Curtis-Toledo Inc.

1979

Introduction of Challenge Air Series reciprocating air compressors

1995

Began manufacturing and assembling Rotary Screw compressors

2005

Expanded global market reach by joining forces with Fusheng Industrial

2006

U.S. Headquarters certified as ISO9001:2000 and ISO14001:2004

2010

Introduced next generation GSV Variable Speed Rotary Screw compressors



REAL-WORLD PRODUCTS

Take more than a century of experience building quality compressors, add in a staff that's listening to the needs of the market, and the result is a product lineup that's built for tough working conditions. No wonder so many customers around the world depend on FS-Curtis compressors day in and day out.

PERFORMANCE. DURABILITY. AFFORDABILITY.

EXCEPTIONAL VALUE

You shouldn't have to sacrifice quality and durability with your air compressor purchase. That's why FS-Curtis created the CT Series. These reciprocating compressors combine our signature performance and reliability with a simple industrial design, making them the most rugged — and affordable — compressors in their category. The field-proven CT Series will last longer in the same conditions than other compressors that claim 100% cast-iron construction but still use aluminum for critical components. For light automotive, light industrial and other applications, they're the ideal choice.





CT SERIES FEATURES AT A GLANCE

100% CAST-IRON CYLINDERS, CYLINDER HEADS CONNECTING RODS, AND HIGH PRESSURE PISTONS

More cast-iron for longer service life.

- Two-stage cast-iron pump is significantly more durable than pumps with aluminum components
- Deep-finned cast-iron cylinders and heads for cool operation
- Industry-leading cast-iron cylinders high-pressure pistons for extreme durability
- Ductile iron crankshaft is stronger, more corrosion-resistant and less likely to break

QUALITY COMPONENTS

Built to last for superior compressor life.

- High-flow, heavy-duty stainless steel channel valve system delivers more cfm per horsepower

- Precision-fit, industrial-grade main roller bearings support all rotating parts for longer pump life
- Robust intercooler increases compressor efficiency
- Oil level sight glass is conveniently located for easy monitoring
- Metal intake filter/silencer is superior to plastic

VALUE-MINDED INDUSTRIAL DESIGN

Robust performance at a lower cost.

- Provides higher pressures and longer life than single-stage pumps
- Follows the same world-class quality design standards as other FS-Curtis products
- Slow turning pump increases pump life
- Robust design sets the CT Series apart from comparable entry-level models

**AMERICAN
CRAFTSMANSHIP
ST. LOUIS, MO USA**

FS-Curtis is committed to delivering the highest quality at the best value, and that commitment is reflected in every CT Series Compressor.

TECHNICAL DATA

ELECTRIC MODELS

MODELS	HP	PUMP	CFM (@175psi)	CONFIGURATION	TANK (Gal.)	DIMENSIONS (LxWxH-In.)	WEIGHT (Lbs.)
CT5*	5	CT55	15.9	Vertical	60	34 x 24 x 73	475
CT5*	5	CT55	15.9	Vertical	80	33 x 27 x 73	515
CT5	5	CT55	17.8	Vertical	80	33 x 27 x 73	515
CT7.5	7.5	CT75	24.2	Vertical	80	36 x 27 x 74	573
CT10	10	CT75	29.7	Horizontal	120	74 x 25 x 53	833

*Note the CT5 units, which are equipped with motor thermal overloads, do not require a mag starter

GAS-DRIVEN MODELS

MODEL	HP	ENGINE	PUMP	CFM (@175psi)	TANK (Gal.)	DIMENSIONS (LxWxH-In.)	WEIGHT (Lbs.)
CT13-H	13	Honda	CT75	24.8	30	42x21x45.5	463
CT14-K	14	Kohler	CT75	25.4	30	42x21x45.5	478

SIMPLEX COMPRESSORS

Standard Features

- Magnetic motor starter
- Cast-iron 2-stage pump built to ISO 9001 standards (except for 230/1 CT5 units equipped with motor thermal overloads)
- Slow speed pump with V-belt drive
- Rugged NEMA motor with UL-approved electric design
- ASME air tank
- OSHA-approved totally enclosed metal belt guard
- UL-approved pressure switch
- Automatic start-stop control
- Metal intake filter/silencer
- Manual tank condensate drain valve
- Dial read-out pressure gauge
- Loadless starting
- ASME-approved safety valve
- ASME-approved discharge valve
- Factory oil filled

GAS-DRIVEN COMPRESSORS

Standard Features

- Heavy-duty 100% cast-iron pump construction for dependable operation
- Slow speed design for extended life
- OSHA-approved totally enclosed metal belt guard
- ASME-approved air receiver
- 12V DC starter with alternator
- Engine idle control
- ASME-approved discharge valve





EASY TO WORK WITH

Just as you get personal attention from FS-Curtis when selecting equipment, you're also supported worldwide by great people. You can count on the global FS-Curtis staff and representatives to listen to your needs and work with you to develop the solution that's best for your situation. Our people are committed to serving you well and FS-Curtis provides extensive training in the field and at our St. Louis headquarters to ensure that you have the support you need.

In addition, authorized FS-Curtis distributors use genuine FS-Curtis parts, lubricants and filter kits to maximize the service life of your equipment. And with a nationwide network of service centers, you don't need to worry about added downtime waiting for parts.

QUALITY PARTS MATTER

At FS-Curtis, quality is never compromised. That's why we control production using ISO 9001:2008 and ISO 14001:2004 standards, and it's also why we maintain a large inventory of replacement parts.

Using only genuine FS-Curtis replacement parts not only helps ensure continued reliable service of your equipment, but the large inventory also helps keep parts affordable and available. We're dedicated to maximizing your productivity, and that includes maximizing your uptime.

Through the dependability of our people and our quality-focused manufacturing, FS-Curtis will continue to be a trusted name serving even more markets through our ever-growing global presence.



CURTIS-TOLEDO® , INC.

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Improvements and research are continuous
at FS-Curtis. Specifications may change
without notice.

ISO 9001
ISO 14001

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