

CT/CTS SERIES

RECIPROCATING AIR COMPRESSORS 2-10HP





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

FS-CURTIS WAS FOUNDED ON BOTH.

More than 165 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

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

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 Air 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

2015

Introduced Nx series Fixed and Variable Speed Rotary Screw compressors

2016

Nx Series named Plant Engineering's 2015 Product of the Year - Gold Award for Compressed Air

2017

Nx Series claims Plant Engineering's Product of the Year - Gold Award 2nd year in a row



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 and CTS 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/CTS 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



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 74	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 73	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	42 x 21 x 45.5	460
CT14-K	14	Kohler	CT75	25.4	30	50 x 24 x 43	486



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

CTS SERIES FEATURES AT A GLANCE

60 GALLON VERTICAL

Single Stage Air Compressor

- Cast-Iron Four Cylinder Pump
- 3-5HP Motor with Overload Protection
- 10.3 CFM - 16.0 CFM at 90 PSI. Powerful enough to run air tools for your home and shop.
- 60 Gallon ASME Code Tank

GARAGE MATE

Portable Air Compressor

- Cast-Iron Four Cylinder Pump
- 2HP Motor with Overload Protection
- Large 10" Wheels
- 20 Gallon Horizontal or 30 Gallon Vertical ASME Code Tank
- 5.5 SCFM at 90 PSI. The ideal compressor for garage and workshop applications for small business or home use

ELECTRIC 9 GALLON WHEELBARROW

Portable Air Compressor

- Cast-Iron Four Cylinder Pump
- 9 Gallon Wheelbarrow Tank Configuration
- 2HP Motor with Overload Protection or 5HP Honda Gasoline Engine
- Dual Quick Connects
- Pressure Regulator
- 5.5-11.8 SCFM at 90PSI

TWIN STACK

Portable Air Compressor

- Cast-Iron Cylinder Oil-Lubricated Pump
- 4 Gallon Twin Stack Tank Configuration
- High Output Motor
- Plugs into a standard 120-volt household outlet.
- 3.7 SCFM at 90 PSI. Great for staplers and nailers for roofing, decking, flooring, construction projects, etc.



TECHNICAL DATA

Model	HP	Voltage	Tank Size	SCFM (@90psi)	Dimensions (LxWxH-In.)	Weight (Lbs.)
CTS5V - 5HP 60 Gallon Vertical Single Stage	5	1/60/230V	60	16	31 x 23 x 71	275
CTS3V - 3HP 60 Gallon Vertical Single Stage	3	1/60/230V	60	10.3	25 x 23 x 66	255
CTSGMV - Garage Mate 2 HP Vertical Portable	2	1/60/115V	30	5.5	27 x 22 x 49	178
CTSGMH - Garage Mate 2HP Horizontal Portable	2	1/60/115V	20	5.5	21 x 37 x 30	150
CTSWB - Electric Wheel Barrow Portable	2	1/60/115V	9	5.5	19 x 48 x 26	162
CTSWBH - Gas Drive Wheel Barrow Portable	5	Gas Drive	9	11.8 SCFM	19 x 48 x 26	159
CTSTS - Twin Stack Portable	2	1/60/115V	4	3.7 SCFM	16 x 19 x 18	58



CONTINUED COMMITMENT

A company history that dates back more than 165 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 165 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)

PUNE, INDIA | JUNDIAI, BRAZIL | OBERHAUSEN, GERMANY | SHANGHAI, CHINA | TAIPEI, TAIWAN | PITTSBURGH, PA USA (FS-ELLIOTT)
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Improvements and research are continuous at FS-Curtis. Specifications may change without notice.

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