

# CT SERIES

RECIPROCATING AIR COMPRESSORS 5-10HP

**COMPRESSED**  
AIR ADVISORS  
Inc.

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

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

More than 160 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      1857      1876      1897      1914      1940      1955      1976**

Curtis & Co. – Empire Saw founded in St. Louis, MO, USA	Earned Agricultural and Mechanical Fair award for excellence and quality	Named Curtis and Co. Manufacturing	Built first reciprocating air compressor that later evolved into the Master Line Series	Supported U.S. Government efforts by producing more than 2 million Howitzer shell forgings	Designed and developed mobile oxygen compressors to be used in Aerospace applications	Merged with U.S. Air Compressor Company, Central Petroleum Company, Lewis Machine Company	Merged with Toledo Tools as Curtis-Toledo Inc.
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**1979      1995      2005      2006      2010      2015      2016      2017**

Introduction of Challenge Air Series reciprocating air compressors	Began manufacturing and assembling Rotary Screw Air compressors	Expanded global market reach by joining forces with Fusheng Industrial	U.S. Headquarters certified as ISO9001:2000 and ISO14001:2004	Introduced next generation GSV Variable Speed Rotary Screw compressors	Introduced Nx series Fixed and Variable Speed Rotary Screw compressors	Nx Series named Plant Engineering's 2015 Product of the Year - Gold Award for Compressed Air	Nx Series claims Plant Engineering's Product of the Year - Gold Award 2nd year in a row
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# 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

## CONTINUED COMMITMENT

A company history that dates back more than 160 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 160 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)  
ZHONGSAN, CHINA | BEIJING, CHINA (FUSHENG) | ZHONGSAN, CHINA (FUSHENG) | HO CHI MINH CITY, VIETNAM (FUSHENG)



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

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ISO 14001

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