



CHALLENGE AIR QUALITY. CAST IRON DURABILITY.

# CHALLENGE AIR.

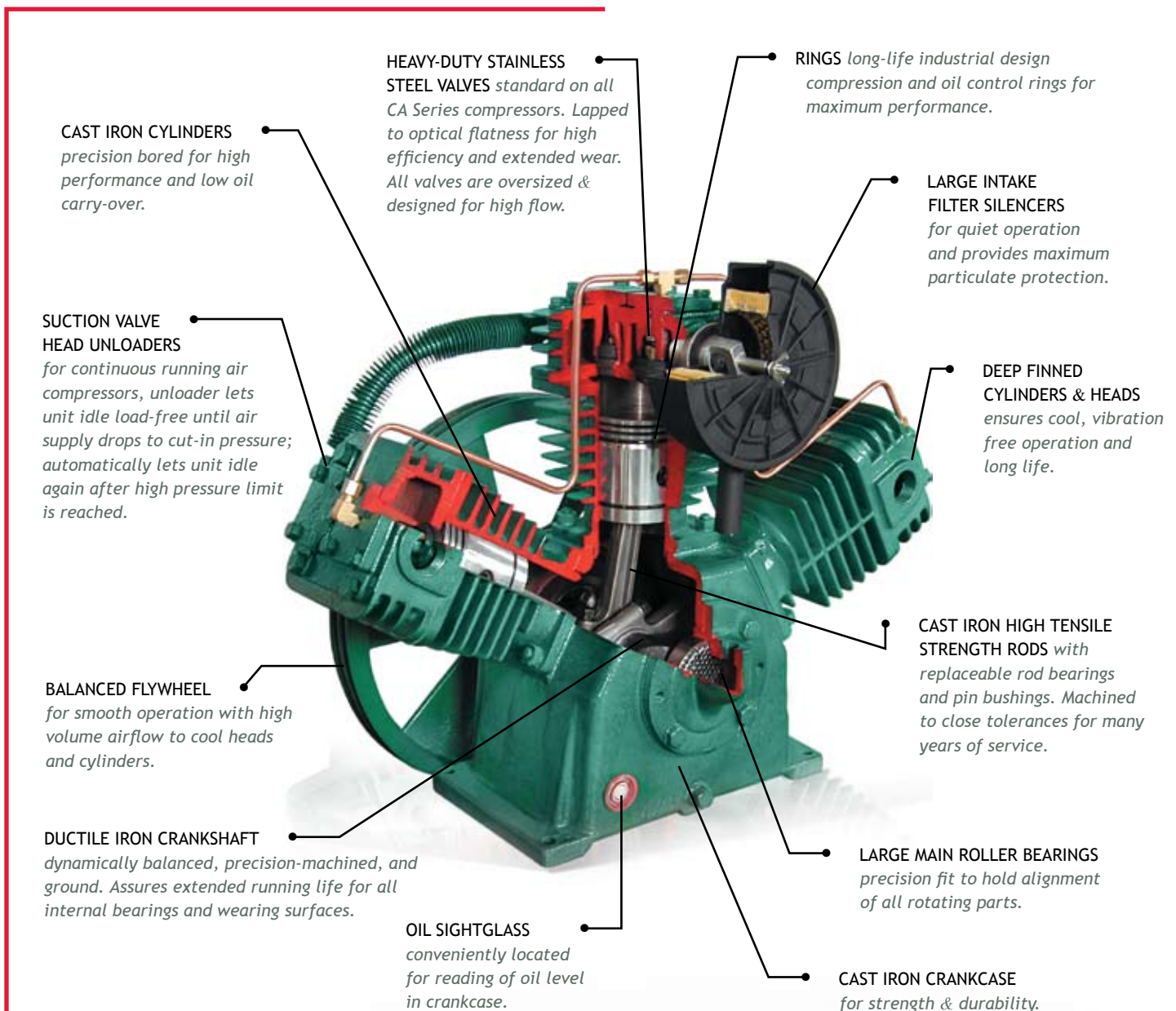
## FSCURTIS® BASIC PUMPS

Industrial Design 1/2 - 15HP Single & Two-Stage up to 175 PSI

### SELECT CA SERIES FOR QUALITY, ENERGY EFFICIENCY AND VALUE

Since 1854, CURTIS Air Compressors has empowered generations with the air power needed to support and grow efficient industrial, manufacturing, automotive, and service businesses. Today, FSCURTIS' revolutionary CA Series reciprocating air compressors are built to be rugged, reliable and include cast iron construction for long-lasting durability.

Durability is not unique to the CA Series. Long performance life is built into all FSCURTIS air compressors. End users request FSCURTIS by brand name because of the reputation often passed down from one generation to the next, one operations manager to the next. Look inside the basic pump to see how high quality components and forward thinking design provides long-lasting durability for all FSCURTIS compressors.



**Genuine. FSCURTIS.**

# PRECISION BUILT.

## SIMPLEX COMPRESSORS

Heavy Duty Cast Iron Construction

### COMPRESSOR RELIABILITY

#### Standard Equipment

- ASME air receiver built with heavy gauge steel
- Vertical or horizontal mount
- U.L. approved pressure switch
- OSHA approved beltguard - totally enclosed
- ASME approved safety relief valve
- ASME approved discharge air service valve
- Slow V-belt drive
- Automatic start-stop control
- Large metal intake filter-silencers
- Manual condensate tank drain valve
- Dial read-out pressure gauge indicator
- Low power consumption
- Loadless starting
- Factory oil filled
- 5 year limited warranty

5VT8 -  
5HP simplex  
tank mounted  
electric



5E2VT8 -  
5HP simplex  
tank mounted  
electric



10HT12 - 10HP simplex tank mounted electric



#### SIMPLEX TANK MOUNTED ELECTRIC - TWO STAGE 145-175 PSI

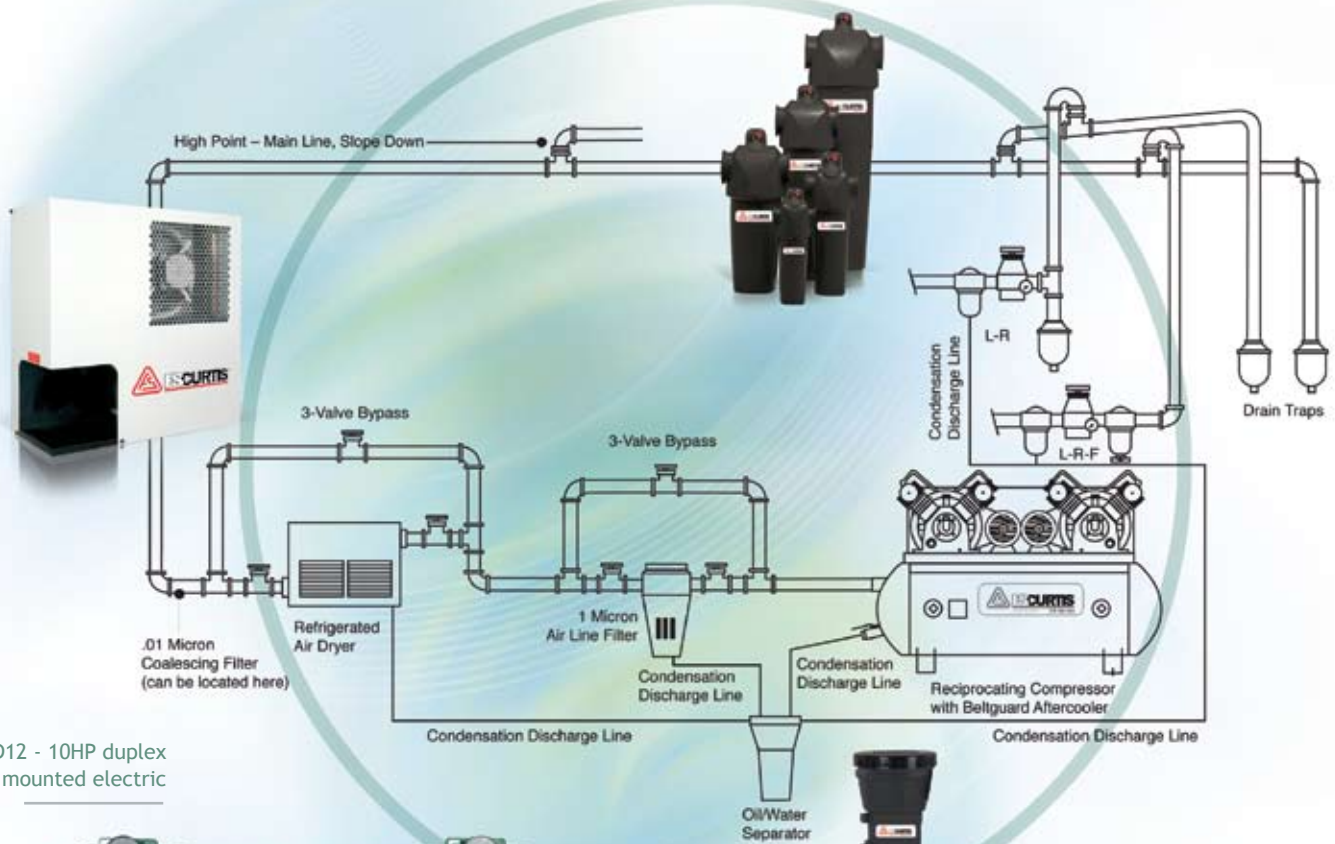
HP	Model		Tank Gal.	Pump	CYL	CFM @ 175 PSI	Dimension - Inches		Approx. Weight Lbs.
							L x W x H		
							Horizontal	Vertical	
3	3HT6	3VT6	60	E-23	3	8.1	50 x 22 x 40	33 x 22 x 68	439
5	5HT8	5VT8	80	E-50	3	17.4	64 x 23 x 47	36 x 25 x 72	525
5	5HT12	5VT12	120	E-50	3	17.4	72 x 26 x 54	36 x 32 x 78	795
5	5E2HT8	5E2VT8	80	E-57	2	18.0	64 x 23 x 49	36 x 25 x 74	510
7.5	7E2HT8	7E2VT8	80	E-57	2	23.2	64 x 23 x 49	36 x 25 x 74	530
10	10HT8	na	80	E-71	3	34.2	64 x 26 x 50	na	670
10	10HT12	10VT12	120	E-71	3	34.2	73 x 28 x 55	38 x 32 x 80	940
15	15HT12	na	120	E-15	3	46.5	73 x 30 x 58	na	1080

#### SIMPLEX TANK MOUNTED ELECTRIC - SINGLE STAGE 95-125 PSI

HP	Model		Tank Gal.	Pump	CYL	CFM @ 125 PSI	Dimension - Inches		Approx. Weight Lbs.
							L x W x H		
							Horizontal	Vertical	
2	2HS3	2VS3	30	ES-10	2	7.0	42 x 20 x 34	28 x 20 x 58	270
3	3HS6	3VS6	60	ES-20	3	10.4	50 x 22 x 40	33 x 22 x 68	439
5	5ES50HS8	5ES50VS8	80	ES-50	3	19.5	64 x 23 x 45	36 x 25 x 72	525
7.5	7HS8	7VS8	80	ES-50	3	23.4	64 x 23 x 47	36 x 25 x 74	535
10	10HS12	10VS12	120	ES-100	3	37.7	73 x 28 x 55	38 x 32 x 80	940
15	15HS12	na	120	ES-150	3	53.3	73 x 29 x 58	na	1080

# CHALLENGE AIR.

## FSCURTIS® INTEGRATED SYSTEMS



10HTD12 - 10HP duplex  
tank mounted electric



### ENERGY EFFICIENT CA SERIES COMPRESSORS

- Alternator control panel mounted with motor starters
- Compressors alternate during normal operation
- Both compressors run when system demands
- System reduces electrical cost and eliminates downtime

## DUPLEX COMPRESSORS

### DUPLEX TANK MOUNTED ELECTRIC - Two Stage 145-175 psi

HP	Model	Tank Gal.	Pump	CYL	CFM @ 175 PSI	Dimensions		Approx. Weight Lbs.
						L x W x H Inches		
5	5HTD12	120	E-50	3	34.8	74 x 26 x 51		940
5	5E2HTD12	120	E-57	2	36.0	74 x 26 x 53		910
7.5	7E2HTD12	120	E-57	2	46.4	74 x 26 x 53		930
7.5	7HTD12	120	E-71	3	52.4	78 x 28 x 55		1205
10	10HTD12	120	E-71	3	68.4	78 x 28 x 55		1225
15	15HTD20	200	E-15	3	93.0	88 x 32 x 64		1755

# ENERGY SAVING.

## GAS AND DIESEL DRIVEN COMPRESSORS

GAS DRIVEN - TWO STAGE 145-175 PSI Engine Idle Control and 12V D.C. Starter with Alternator							Dimensions		Approx. Weight Lbs.
HP	Model	Engine	Tank Gal.	Pump	Cylinder	CFM @ 175 PSI	L x W x H Inches		
13	13E2GT3-HE	HONDA	30	E-57	2	22.0	42 x 21 x 43	460	
13	13E2GT6-HE	HONDA	60	E-57	2	22.0	50 x 22 x 50	510	
13	13E2GT3-K	KOHLER	30	E-57	2	22.0	42 x 21 x 43	475	
13	13E2GT6-K	KOHLER	60	E-57	2	22.0	50 x 22 x 50	525	
18*	18GT6-K	KOHLER	60	E-71	3	34.2	52 x 25 x 56	760	

\*18 HP engine requires auxiliary fuel tank

13E2GT3-HE  
13HP tank  
mounted Honda  
gas driven



13E2GT3-K  
13HP tank  
mounted Kohler  
gas driven



### ENGINEERED QUALITY

#### Standard Equipment

- Heavy cast iron pump construction for dependable operation
- Slow speed design for extended life
- OSHA approved belt guard - totally enclosed
- ASME approved air receiver
- 12V D.C. starter with alternator
- Engine idle control

9E2GT3-YB  
9HP tank  
mounted Yanmar  
diesel driven



DIESEL DRIVEN - TWO STAGE 145-175 PSI Engine Idle Control and 12V D.C. Starter with Alternator							Dimensions		Approx. Weight Lbs.
HP	Model	Engine	Battery Mounted	Pump	Tank Gal.	CFM @ 175 PSI	L x W x H Inches		
9	9E2GT3-Y	YANMAR	NO	E-57	30	22.0	42 x 21 x 43	480	
9	9E2GT3-YB	YANMAR	YES	E-57	30	22.0	42 x 21 x 43	480	

# GENUINE. FSCURTIS.

## Rugged Durability. UltraPack COMPRESSORS

7E2VT8UP  
Simplex  
UltraPack



FULLY PACKED WITH ALL THE OPTIONS YOU NEED

### Simplex and Duplex - Packaged with Optional Equipment

- Air-cooled aftercooler
- Magnetic motor starter (Simplex)
- Alternator control panel (Duplex)
- Dual control (10-30HP Simplex)
- Low oil level shutdown
- Automatic tank drain
- Tank isolator pads
- Factory oil filled
- 5 year limited warranty

7E2HDT12UP  
Duplex  
UltraPack



#### SIMPLEX UltraPack SERIES (5-30HP)

HP	Model		Tank Gal.	Pump	CYL	CFM @ 175 PSI	Magnetic Starter & Low Oil Switch	After- cooler	Tank Pads	Auto Drain	Dual Control	Approx. Weight Lbs.
	Horizontal	Vertical										
5	5HT8UP	5VT8UP	80	E-50	3	17.4	YES	NO	YES	YES	NO	600
5	5E2HT8UP	5E2VT8UP	80	E-57	2	18.0	YES	YES	YES	YES	NO	575
7.5	7E2HT8UP	7E2VT8UP	80	E-57	2	23.2	YES	YES	YES	YES	NO	580
10	10HT12UPN	10VT12UPN	120	E-71	3	34.2	YES	YES	YES	YES	NO	1000
10	10HT12UPY	na	120	E-71	3	34.2	YES	YES	YES	YES	YES	1025
15	CV9712UP	na	120	D-97	2	49.5	YES	YES	YES	YES	YES	1075
20	CWT9813AUP	na	120	C-98	2	76.5	YES	YES	YES	YES	YES	1840
25	CWT9814AUP	na	120	C-98	2	91.4	YES	YES	YES	YES	YES	1870
30	CWT9815AUP	na	120	C-98	2	102.2	YES	YES	YES	YES	YES	1920

15-30HP models = ML Series

#### DUPLEX UltraPack SERIES (5-30HP)

HP	Model		Tank Gal.	Pump	CYL	CFM @ 175 PSI	Low Oil Switches	After- coolers	Tank Pads	Auto Drain	3 Position Switch	Alt. Panel	Approx. Weight Lbs.
	Horizontal	Vertical											
5	5HTD12UP	na	120	E-50	3	34.8	YES	NO	YES	YES	YES	YES	940
5	5E2HTD12UP	na	120	E-57	2	36.0	YES	YES	YES	YES	YES	YES	910
7.5	7E2HTD12UP	na	120	E-57	2	46.4	YES	YES	YES	YES	YES	YES	930
10	10HTD12UP	na	120	E-71	3	68.4	YES	YES	YES	YES	YES	YES	1225
15	CVD9712BUP	na	200	D97	2	99.0	YES	YES	YES	YES	YES	YES	2660
20	CVD9813CUP	na	240	C98	2	153.0	YES	YES	YES	YES	YES	YES	3500
25	CVD9814CUP	na	240	C98	2	182.8	YES	YES	YES	YES	YES	YES	3750
30	CVD9815CUP	na	240	C98	2	204.4	YES	YES	YES	YES	YES	YES	3850

15-30HP models = ML Series

# SOLID INVESTMENT.

TWO STAGE 145-175 PSI			Flywheel Diameter	Oil Capacity	Bore	Stroke	Dimensions	Approx. Weight
HP	Model	ACFM					H x W x D	
175 PSI			O.D.		Inches	Inches	Inches	Lbs.
1	E-11	3.0	10.63	1 <sup>1</sup> / <sub>4</sub> pints	2.56 - 1.65	1.73	12.5 x 14.1 x 10.6	48
2	E-23	6.0	10.63	1 <sup>3</sup> / <sub>4</sub> pints	(2) 2.56 - 2.00	1.89	14.1 x 18.4 x 12.6	67
3	E-23	8.1						
5	E-35	14.0	14.57	2 <sup>1</sup> / <sub>2</sub> pints	3.39 - 1.85	2.76	17.7 x 14.6 x 13.7	93
5	E-50	17.4	15.75	1 <sup>1</sup> / <sub>2</sub> quarts	(2) 3.15 - 2.56	2.36	18.1 x 23.3 x 16.7	155
5	E-57	18.0	16.28	2 quarts	3.94 - 2.17	3.39	21 x 16.3 x 16.1	134
7.5	E-57	23.2						
7.5	E-71	26.1	20.87	2 <sup>1</sup> / <sub>2</sub> quarts	(2) 3.93 - 3.15	2.76	20.9 x 13.8 x 20.06	262
10	E-71	34.2						
15	E-15	46.5	24.75	5 quarts	(2) 4.72 - 3.93	3.15	26 x 30.3 x 22.3	393

## FSCURTIS® BASIC PUMPS

### THE BETTER BUILT COMPRESSOR

Quality and industrial durability are built into each cast iron pump to give you a solid return on your compressor investment. Engineered to last - heavy cast iron construction. Serious protection - comes standard with ductile iron crankshafts, high strength metal connecting rods, rod insert bearings, wrist pin bushings, high-capacity hardened and lapped stainless steel valves with suction valve head unloaders. Efficiency - maximum CFM output per energy dollar.



Cutaway Illustration for model E-50 Basic Pump

SINGLE STAGE 95-125 PSI			Flywheel Diameter	Oil Capacity	Bore	Stroke	Dimensions	Approx. Weight
HP	Model	ACFM					H x W x D	
125 PSI			O.D.		Inches	Inches	Inches	Lbs.
0.5	ES-03	1.8	6.1	1/2 pint	2.01	1.65	10.7 x 6.1 x 7.5	28
0.5	ES-05	1.9	10.6	1/2 pint	2.56	1.73	13 x 10.6 x 8.7	33
0.75	ES-06	3.1	10.2	10 ounces	(2) 2.01	1.65	10.1 x 12.2 x 8.9	33
2	ES-10	7.0	10.6	1 <sup>1</sup> / <sub>4</sub> pints	(2) 2.56	1.75	12.4 x 14 x 10.6	50
3	ES-20	10.4	10.6	1 <sup>3</sup> / <sub>4</sub> pints	(3) 2.56	1.89	14.1 x 18.3 x 12.6	70
5	ES-20	12.3						
5	ES-30	14.3	12.3	1 quart	(2) 3.15	2.36	15.5 x 20.4 x 14.9	112
5	ES-50	19.5	15.75	1 <sup>1</sup> / <sub>2</sub> quart	(3) 3.15	2.36	18.1 x 23.3 x 16.7	157
7.5	ES-50	23.4						
10	ES-100	37.7	20.8	2 <sup>1</sup> / <sub>2</sub> quarts	(3) 3.94	2.75	20.9 x 25.5 x 20.06	267
15	ES-150	53.3	24.8	5 quarts	(3) 4.72	3.15	24.4 x 30.3 x 20.2	393
15	ES-150A	53.3	24.8	5 quarts	(3) 4.72	3.15	24.4 x 30.3 x 20.2	393

# FSCURTIS® GENUINE PARTS



## PROTECT YOUR INVESTMENT WITH FSCURTIS SERVICE MAINTENANCE KITS

Check out our large inventory of replacement parts at [www.fscurtis.com](http://www.fscurtis.com) or call your FSCURTIS Distributor.



## ALWAYS USE FSCURTIS LUBRICANT TO KEEP YOUR COMPRESSOR RUNNING SMOOTHLY

LP Lubricant is specially formulated for FSCURTIS compressors and designed to increase efficiency, reduce wear, and prevent carbon build up. Recommended 2000 hours of service between lubricant change-out under normal conditions.

## RUGGED DURABILITY:

FSCURTIS facilities include a 144,000 square foot facility in St. Louis, Missouri, as well as facilities in Buffalo, New York; Los Angeles, California; and San Diego, California. All phases of production, from design and engineering to final assembly and shipping meet or exceed the highest industry standards. State-of-the-art computer aided design allows FSCURTIS to meet the hundreds of customer specified compressor package configurations.



CURTIS-TOLEDO®, INC.

1905 Kienlen Avenue | St. Louis, Missouri 63133

314.383.1300 or 800.925.5431

[www.fscurtis.com](http://www.fscurtis.com) | [info@fscurtis.com](mailto:info@fscurtis.com)



ISO registered

9001:2000

14001:2004

Distributed By:

Genuine. FSCURTIS.

*Improvements and research are continuous at FSCURTIS. Specifications may change without notice.*

©2008 CURTIS-TOLEDO, INC. • Form No. CA1207-R08.1