

The Atlas Copco logo is displayed in white text within a blue rectangular box. The text is flanked by two horizontal white bars, one above and one below.A technical drawing of a piston is overlaid on a blue diagonal banner. The drawing shows a cross-section of the piston with various dimensions and labels such as 'C-C(1:3)', 'Ø120', 'Ø122', 'Ø124', 'Ø126', 'Ø128', 'Ø130', 'Ø132', 'Ø134', 'Ø136', 'Ø138', 'Ø140', 'Ø142', 'Ø144', 'Ø146', 'Ø148', 'Ø150', 'Ø152', 'Ø154', 'Ø156', 'Ø158', 'Ø160', 'Ø162', 'Ø164', 'Ø166', 'Ø168', 'Ø170', 'Ø172', 'Ø174', 'Ø176', 'Ø178', 'Ø180', 'Ø182', 'Ø184', 'Ø186', 'Ø188', 'Ø190', 'Ø192', 'Ø194', 'Ø196', 'Ø198', 'Ø200', 'Ø202', 'Ø204', 'Ø206', 'Ø208', 'Ø210', 'Ø212', 'Ø214', 'Ø216', 'Ø218', 'Ø220', 'Ø222', 'Ø224', 'Ø226', 'Ø228', 'Ø230', 'Ø232', 'Ø234', 'Ø236', 'Ø238', 'Ø240', 'Ø242', 'Ø244', 'Ø246', 'Ø248', 'Ø250', 'Ø252', 'Ø254', 'Ø256', 'Ø258', 'Ø260', 'Ø262', 'Ø264', 'Ø266', 'Ø268', 'Ø270', 'Ø272', 'Ø274', 'Ø276', 'Ø278', 'Ø280', 'Ø282', 'Ø284', 'Ø286', 'Ø288', 'Ø290', 'Ø292', 'Ø294', 'Ø296', 'Ø298', 'Ø300', 'Ø302', 'Ø304', 'Ø306', 'Ø308', 'Ø310', 'Ø312', 'Ø314', 'Ø316', 'Ø318', 'Ø320', 'Ø322', 'Ø324', 'Ø326', 'Ø328', 'Ø330', 'Ø332', 'Ø334', 'Ø336', 'Ø338', 'Ø340', 'Ø342', 'Ø344', 'Ø346', 'Ø348', 'Ø350', 'Ø352', 'Ø354', 'Ø356', 'Ø358', 'Ø360', 'Ø362', 'Ø364', 'Ø366', 'Ø368', 'Ø370', 'Ø372', 'Ø374', 'Ø376', 'Ø378', 'Ø380', 'Ø382', 'Ø384', 'Ø386', 'Ø388', 'Ø390', 'Ø392', 'Ø394', 'Ø396', 'Ø398', 'Ø400', 'Ø402', 'Ø404', 'Ø406', 'Ø408', 'Ø410', 'Ø412', 'Ø414', 'Ø416', 'Ø418', 'Ø420', 'Ø422', 'Ø424', 'Ø426', 'Ø428', 'Ø430', 'Ø432', 'Ø434', 'Ø436', 'Ø438', 'Ø440', 'Ø442', 'Ø444', 'Ø446', 'Ø448', 'Ø450', 'Ø452', 'Ø454', 'Ø456', 'Ø458', 'Ø460', 'Ø462', 'Ø464', 'Ø466', 'Ø468', 'Ø470', 'Ø472', 'Ø474', 'Ø476', 'Ø478', 'Ø480', 'Ø482', 'Ø484', 'Ø486', 'Ø488', 'Ø490', 'Ø492', 'Ø494', 'Ø496', 'Ø498', 'Ø500', 'Ø502', 'Ø504', 'Ø506', 'Ø508', 'Ø510', 'Ø512', 'Ø514', 'Ø516', 'Ø518', 'Ø520', 'Ø522', 'Ø524', 'Ø526', 'Ø528', 'Ø530', 'Ø532', 'Ø534', 'Ø536', 'Ø538', 'Ø540', 'Ø542', 'Ø544', 'Ø546', 'Ø548', 'Ø550', 'Ø552', 'Ø554', 'Ø556', 'Ø558', 'Ø560', 'Ø562', 'Ø564', 'Ø566', 'Ø568', 'Ø570', 'Ø572', 'Ø574', 'Ø576', 'Ø578', 'Ø580', 'Ø582', 'Ø584', 'Ø586', 'Ø588', 'Ø590', 'Ø592', 'Ø594', 'Ø596', 'Ø598', 'Ø600', 'Ø602', 'Ø604', 'Ø606', 'Ø608', 'Ø610', 'Ø612', 'Ø614', 'Ø616', 'Ø618', 'Ø620', 'Ø622', 'Ø624', 'Ø626', 'Ø628', 'Ø630', 'Ø632', 'Ø634', 'Ø636', 'Ø638', 'Ø640', 'Ø642', 'Ø644', 'Ø646', 'Ø648', 'Ø650', 'Ø652', 'Ø654', 'Ø656', 'Ø658', 'Ø660', 'Ø662', 'Ø664', 'Ø666', 'Ø668', 'Ø670', 'Ø672', 'Ø674', 'Ø676', 'Ø678', 'Ø680', 'Ø682', 'Ø684', 'Ø686', 'Ø688', 'Ø690', 'Ø692', 'Ø694', 'Ø696', 'Ø698', 'Ø700', 'Ø702', 'Ø704', 'Ø706', 'Ø708', 'Ø710', 'Ø712', 'Ø714', 'Ø716', 'Ø718', 'Ø720', 'Ø722', 'Ø724', 'Ø726', 'Ø728', 'Ø730', 'Ø732', 'Ø734', 'Ø736', 'Ø738', 'Ø740', 'Ø742', 'Ø744', 'Ø746', 'Ø748', 'Ø750', 'Ø752', 'Ø754', 'Ø756', 'Ø758', 'Ø760', 'Ø762', 'Ø764', 'Ø766', 'Ø768', 'Ø770', 'Ø772', 'Ø774', 'Ø776', 'Ø778', 'Ø780', 'Ø782', 'Ø784', 'Ø786', 'Ø788', 'Ø790', 'Ø792', 'Ø794', 'Ø796', 'Ø798', 'Ø800', 'Ø802', 'Ø804', 'Ø806', 'Ø808', 'Ø810', 'Ø812', 'Ø814', 'Ø816', 'Ø818', 'Ø820', 'Ø822', 'Ø824', 'Ø826', 'Ø828', 'Ø830', 'Ø832', 'Ø834', 'Ø836', 'Ø838', 'Ø840', 'Ø842', 'Ø844', 'Ø846', 'Ø848', 'Ø850', 'Ø852', 'Ø854', 'Ø856', 'Ø858', 'Ø860', 'Ø862', 'Ø864', 'Ø866', 'Ø868', 'Ø870', 'Ø872', 'Ø874', 'Ø876', 'Ø878', 'Ø880', 'Ø882', 'Ø884', 'Ø886', 'Ø888', 'Ø890', 'Ø892', 'Ø894', 'Ø896', 'Ø898', 'Ø900', 'Ø902', 'Ø904', 'Ø906', 'Ø908', 'Ø910', 'Ø912', 'Ø914', 'Ø916', 'Ø918', 'Ø920', 'Ø922', 'Ø924', 'Ø926', 'Ø928', 'Ø930', 'Ø932', 'Ø934', 'Ø936', 'Ø938', 'Ø940', 'Ø942', 'Ø944', 'Ø946', 'Ø948', 'Ø950', 'Ø952', 'Ø954', 'Ø956', 'Ø958', 'Ø960', 'Ø962', 'Ø964', 'Ø966', 'Ø968', 'Ø970', 'Ø972', 'Ø974', 'Ø976', 'Ø978', 'Ø980', 'Ø982', 'Ø984', 'Ø986', 'Ø988', 'Ø990', 'Ø992', 'Ø994', 'Ø996', 'Ø998', 'Ø1000'.

# Cast Iron Piston Air Compressors

Contractor/Professional/Industrial Series  
2-20 HP (1.5-15kW)

# The CR Cast Iron Piston Compressor Series

## Newly designed, lasting reliability

More dependable than ever with tailored options for all contractor, professional and industrial applications, Atlas Copco is pleased to introduce the newly designed CR cast iron piston compressor series. The CR range delivers a champion combination of outstanding reliability matched with robust performance, even in the most demanding conditions for a dependable piston you can count on.

Capitalizing on heavy-duty cast iron construction and a combination of computer-aided design with controlled machining processes, the new CR single stage and two-stage compressors deliver up to 175 psig with 24/7 reliability. We back this up with our bumper to bumper warranty packages, and have options for a 5 year extended warranty, depending on the model chosen.



## A complete and tailored range of premium compressors at affordable prices

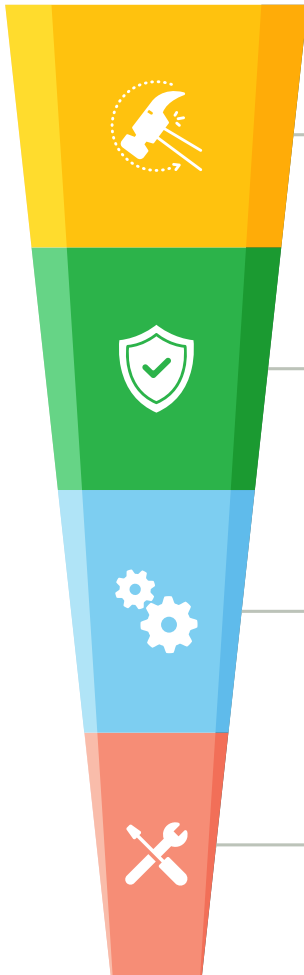
Count on Atlas Copco's cast iron piston technology to drive your production reliably and support your application demand. We can meet your exact requirements with a broad piston compressor line, whether you work in a small workshop or on a large onsite project.

A range of series with available options:



# CR Cast Iron Piston Air Compressor

A 60 second guide to the piston that sets the bar high



## Heavy-Duty Cast Iron construction

Ensures durability and reliability for the most demanding applications.

## Reliability

Engineered using the most state-of-the-art manufacturing techniques for a product of design excellence. The compressed air you need to keep your operations running efficiently with maximum uptime.

## Tailored

Customize your piston to fit your needs.

Options available include:

- Auto drain
- After cooler
- Low oil level switch
- TEFC motor
- NEMA4 control panel
- Pressure lubricated pump
- Simplex and duplex configurations

## Easy maintenance

Every component is easily accessible allowing minimum downtime and requires only limited maintenance.



TEFC Motor



NEMA4 control panel

# The CR Contractor Series

A premium compressor at the lowest capital cost for point of use applications.

## 2-5.5HP/135 psi

The Contractor Series provides affordable compressed air in a small, lightweight package. The low-profile cast iron design, semi-pneumatic wheel, heavy gauge wire belt guard and rugged pump design provide the ideal solution for small, portable applications.

### Features and Benefits:

- Standard 2-year bumper to bumper warranty
  - No start-up kit required
- Single stage units
  - Electric or gas powered
- Fully enclosed belt guard and ASME safety valves
- Pilot valve control on gas drive units to reduce engine speed on low demand

### Technical Specifications

\*Voltage available from 115-230



Model	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR C2-SS-24GV	2	24	4.9	4.1	20x21x46	150
CR C2-SS-2x4G	2	2x4	4.9	4.1	43x18x23	145
CR C2-SS-23GH	2	23	4.9	4.1	22x33x33	150
CR C3-SS-2x4G	3	2x4	9.1	7.6	43x18x25	174
CR C3-SS-60GV	3	60	9.1	7.6	28x23x67	260
CR C5-SS-60GV	5	60	11.4	9.5	28x23x67	271
CR C5.5-SS-2x4G-Honda Gas	6	2x4	11.4	9.5	43x18x26	179

# The CR Professional Series

A reliable electric compressor for rugged, stationary use.

## 5-20HP/135-175 psi

The Professional Series provides high pressure at the lowest cost in a small, lightweight package. The balanced counter weighed crankshaft and cast iron design provide smooth, easy operation with a range of unit options supplying an ideal solution for demanding applications.

### Features and Benefits:

- 1 year bumper to bumper with 5 year extended warranty on the pump\*
  - \*With purchase of minor and major maintenance kits
- Duplex, Simplex or Base Mounted

- Two-stage
  - Two stage best for high demands needing up to 175 psi.
- Oversized oil reservoir for low oil temperatures, industrial class bearings and one-piece aluminum head for heat dissipation providing longevity.
- Low maintenance with 2-piece connecting rods and oil pressure gauge.
- High efficiency intercooler with stainless steel valve design for highest volumetric efficiency.



## Technical Specifications

### CR Professional Series - Standard

\*Voltages available from 200-575 volt

Description	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR5-OTS-80GV - Vertical	5	80V	15.1	14.5	32x26x75	554
CR5-TS-80GV - Vertical	5	80V	17.9	17.2	32x26x75	554
CR7.5-TS-80GV - Vertical	7.5	80V	23.8	22.6	32x26x75	599
CR10-TS-120GV - Vertical	10	120V	35.9	35	40x30x77	845
CR10-TS-120GH - Horizontal	10	120H	35.9	35	72x28x54	845
CR-TS-30GH-13HG - 13 HP Honda Gas Unit	13	30	23.5	22.6**	41x23x42	465
CR-TS-30GH-14KG - 14 HP Kohler Gas Unit	14	30	23.5	22.6**	42x24x41	465
CR15-TS-120GH - Horizontal	15	120H	54.4	51	70x28x54	870

### CR Professional Series - Standard and Packaged TEFC motor upgrade/NEMA4 control panel

Description	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR5-TS-80GV-3PH-PS,TN4 - Vertical	5	80V	17.9	17.2	32x26x75	554
CR7.5-TS-80GV-3PH-PS,TN4 - Vertical	7.5	80V	23.8	22.6	32x26x75	599
CR10-TS-120GV-3PH-PS,TN4 - Vertical	10	120V	35.9	35	40x30x77	845
CR10-TS-120GV-3PH-PS,TN4 - Horizontal	10	120H	35.9	35	72x28x54	845
CR15-TS-120GV-3PH-PS,TN4 - Horizontal	15	120H	54.4	51	70x28x54	870

### CR Professional Series - Packaged Duplex

Description	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR5-TS-120GH-3PH-PPS-D - Horizontal	5*2 = 10 HP	120H	35.9	35	77x30x52	1000
CR7.5-TS-120GH-3PH-PPS-D - Horizontal	7.5*2 = 15 HP	120H	54.4	51	77x30x52	1300
CR10-TS-200GH-3PH-PPS-D - Horizontal	10*2 = 20 HP	200H	71.8	70	78x46x63	2200

\*\* - Single phase units stop at 7.5HP

# The CR Industrial Series

The most reliable piston air compressor customizable to you.

## 5-20HP/135-175 psi

The Industrial Series provides high pressure at low cost in a newly designed, cast iron package. The balanced counter weighed crankshaft provide a smooth, easy operation with a range of unit options supplying an ideal solution for the most robust applications.

### Features and Benefits:

- 1 year bumper to bumper with 5 year extended warranty on the pump\*
  - \*With purchase of minor and major maintenance kits
- Duplex, Simplex or Base Mounted
- Two-stage
  - Two stage best for high demands needing up to 175 psi
- Oversized oil reservoir for low oil temperatures, industrial class bearings and one-piece aluminum head for heat dissipation providing longevity
- Low Maintenance with 2-piece connecting rods and oil pressure gauge
- High efficiency intercooler with stainless steel valve design for highest volumetric efficiency



### Technical Specifications

#### CR Industrial Series

The CR Series piston compressor is a cast-iron, splash lubricated, 2 stage, 175psi product. All models are equipped with magnetic starter as standard. The industrial series comes equipped with an electric drain, belt guard aftercooler, and low oil level switch on all models. The 10 and 15HP models also come equipped with head unloaders.

#### CR Industrial Series - Standard and TEFC motor and NEMA4 controller upgrade

Model	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR5-TS-80GV-IS, Standard or TN4	5	80V	17.9	17.2	32x26x75	554
CR7.5-TS-80GV-IS, Standard or TN4	7.5	80V	23.8	22.6	32x26x75	599
CR10-TS-120GV-IS, Standard or TN4	10	120V	35.9	35	40x30x77	845
CR10-TS-120GH-IS, Standard or TN4	10	120H	35.9	35	72x28x54	845
CR15-TS-120GH-IS, Standard or TN4	15	120H	54.4	51	40x30x77	845

#### CR Industrial Series - Duplex TEFC motor and NEMA4 controller upgrade

Duplex units offer twin motors and twin pumps for additional output and redundancy.

Model	Horsepower	Tank	ACFM		LxWxH	Weight
		Gallons	@ 100psi	@ 175psi	inches	lbs.
CR5-TS-120GH-IS-D, Standard or TN4	5	120H	35.9	35	77x30x52	1000
CR7.5-TS-120GH-IS-D, Standard or TN4	7.5	120H	54.4	51	77x30x52	1300
CR10-TS-200GH-IS-D, Standard or TN4	10	200H	71.8	70	78x46x63	2200

\*\* - Single phase units stop at 7.5HP

# Buyers Guide

## Looking to customize your unit?

Series	Magnetic Starter	Low oil level switch	Electronic Drain	Belt guard Aftercooler	TEFC Motor	NEMA 4 Control Panel	Pressure Lubricated Pump	Head Unloaders
Standard	✓							
Professional Package	✓		✓	✓	i	i	i	
Industrial	✓	✓	✓	✓	i	i	i	✓ <sup>*10 and 15HP</sup>

## Looking to complete your package?

### Optional add-ons

- Protect your tools and end-products, investments and processes
- Meet requirements for cleaner, dryer air
- Reduce your service and maintenance costs

**In-line Filters:** General purpose, high efficiency and odor removal line filters to meet high quality air needs.



**Dryers:** Avoid condensation and chance of corrosion by removing water from your compressed air.

Model	SCFM
FXHT-1	25
FXHT-2	50
FXHT-3	75
FXHT-4	100
FXHT-5	125



**AIRnet Aluminum or Stainless Steel Piping:** Easy to install, modular piping system for air and inert gases.





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