



Screw Compressors

CPA-CPBg | CPVSd



People.
Passion.
Performance.



People. Passion. Performance.



At Ash Air, it isn't just about the products. We're passionate about performance and service, with more than 50 qualified engineers working throughout the country providing unsurpassed compressed air solutions.

Broad product portfolio of robust compressors & tools

Decades of experience & innovation Since 1979

24/7 service support with back up and hire equipment

"We are committed to being the easiest company to deal with in the air compressor and vacuum industry. Anywhere, Anytime. 24/7."

Energy Saving Solution



7,900
serviceable units



30.6km
AIRnet piping installed



3580 kW
combined power of VSD compressors



2.1 MWh potential yearly energy savings identified through leak detection



3.5 MWh saved with AIRnet and VSD each year



2.2 MTon CO₂ emissions eliminated each year

Define your needs, our broad offer does the rest

When selecting from our extensive offer of oil-injected screw compressors, you choose **reliable performance, proven technology and increased efficiency.**

These ranges are suitable for more demanding applications and can be deployed in harsh working conditions.

These units are compact, economical to service and quiet, and suitable to install in or close to your workshop (e.g. service garage or small assembly line).

CPA – CPBg



Noise level	Silent: 63-71 dB(A)
Vessel size	0, 270 or 500 L
FAD	828-6167 l/min
Power	10-50 hp 7.5-37 kW
Pressure	7.5-13 bar
Weight	251-905 kg

User benefits

- In-house designed air end suitable for continuous duty and very hard working conditions
- Long lasting belts and reliable belt tensioning system for excellent performance (CPA)
- High efficient gear transmission for low cost maintenance and reliable operation (CPBg)
- Good positioning of service items for easy servicing
- Save space and installation costs with tank-mounted installations with dryer
- Increased operating comfort through reduced noise levels

CPVSd



Noise level	Silent: 62-71 dB(A)
Vessel size	0, 270 or 500 L
FAD	300-6000 l/min
Power	10-50 hp 7.5-37 kW
Pressure	5.5 - 12.5 bar
Weight	280-925 kg

User benefits

- Inverter technology perfectly matching the air flow with the air demand saving energy costs up to 30%
- Highly efficient element ensures low energy consumption and long term performance
- Highly efficient belt transmission reducing energy consumption
- Direct driven transmission for further energy saving (CPVSd)
- Protects your air network against rust and corrosion thanks to integrated solutions (dryer, air filter,...)

CPA Series 10 - 20 hp / 7.5 - 15 kW



The ultimate all-in-one solution

Chicago Pneumatic introduced the CPA Series more than a decade ago.

In this period of time a strong reputation of quality and top performance was built. But, apart from this remarkable past, the design and philosophy have evolved to match new customer needs: a beautiful all-in-one, powerful and silent screw compressor.

That's what the CPA-Series is!

A seamless product in terms of user-friendliness, reliability and life duration, which makes this series, "the screw compressor" for tough and hard working conditions.

Technical Data	Free Air Delivery, l/min (cfm) 						Dimensions L x W x H , mm	
	8 bar version	10 bar version	13 bar version	hp	kW	dB(A)	Base mounted or with dryer	On vessel
CPA 10	1242 (44)	1080 (38)	828 (29)	10	7.5	63	1065 x 665 x 1070	1150 x 665 x 1687 (270 L)
CPA 15	1674 (60)	1506 (53)	1212 (42)	15	11	65	1065 x 665 x 1070	1150 x 665 x 1687 (270 L)
CPA 20	2328 (82)	2106 (73)	1686 (59)	20	15	67	1065 x 665 x 1070	1935 x 665 x 1689 (500 L)



Innovative design concept

The CPA Series can be configured as an ultimate all-in-one solution that includes:

- Air receiver 270 or 500 L (available for units up to 20 hp)
- Refrigerant dryer
- Automatic drain
- Line filter

Forget about complex and costly installations. Simply Connect the power, connect the piping and press START!



Low noise levels

Insulation foam, deflectors and anti-vibration pads assure low noise levels.



Easy and fast maintenance

Enabled by good positioning of service items: belts, oil and filters.



ES4000

Unique control units, specially programmed for Energy Saving.



Built to last

Designed for continuous duty and very hard working conditions.



Small footprint

Compresses, stores and processes air using just 1.5 m².

CPBg Series 25 - 50 hp / 18.5 - 37 kW gear driven



Strong, reliable, efficient

With this range, Chicago Pneumatic sets a new standard in high efficiency, low noise level and outstanding reliability. These units come with a new element, a high performance gear box and premium efficiency motors.

Quiet and available with a dryer, water separator and filters, this machine can easily be installed in a compressor room or in the work place close to the air usage point.

The wide range of options allows you to easily customise your CPBg while its unique design satisfies your needs in terms of user-friendliness, reliability and lifetime duration. All in all, the ideal screw compressor for high energy efficiency and hard working conditions.

Technical Data	Free Air Delivery, l/min (cfm) 							Dimensions L x W x H , mm
	7.5 bar version	8.5 bar version	10 bar version	13 bar version	hp	kW	dB(A)	
Type								L x W x H (mm)
CPBg 25	3317 (117)	3144 (111)	2922 (103)	2279 (80)	25	18.5	68	1200 x 835 x 1220
CPBg 29	3858 (136)	3741 (132)	3294 (116)	2790 (98)	30	22	69	1200 x 835 x 1220
CPBg 40	5467 (193)	5000 (176)	4583 (162)	4000 (141)	40	30	70	1320 x 830 x 1555
CPBg 50	6167 (218)	5650 (199)	5067 (179)	4583 (162)	50	37	71	1320 x 830 x 1555



Gear drive for high efficiency

The CPBg series offers you outstanding efficiency and great reliability thanks to the new element combined with robust gearbox technology and premium efficiency motors (IE3).

Add a revised lay-out, a big oil separator and coolers to that and you have a compressor that will grant you total peace of mind.



Low noise levels

New element and gearbox combined with the deep sound insulation result in a very low sound level.



Easy and fast maintenance

Easy maintenance and very low pressure drop thanks to the new oil separation.



ES4000

Unique control unit, specially programmed for energy saving. ES4000 advanced option.



Energy recovery

Recover up to 75% of the energy spent to produce compressed air improving your production efficiency.



Air quality package

CPBg is available with dryer, water separator drain and post filter for improved quality air.

CPVSd Series 10 - 20 hp / 7.5 - 15 kW and 30 - 50 hp / 22 - 37 kW direct driven



Optimize your energy consumption

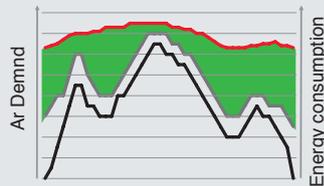
Introducing direct driven transmission in its variable speed range of compressors, Chicago Pneumatic sets a new mile stone in compressed air. The new design, fully dedicated to variable speed applications, grants a maximum of energy saving, very high flexibility, and very low ownership costs.

Thanks to the air receiver, the integrated dryer and the quality air devices available, you can complete your installation in a very compact and cost competitive way. A wide range of options make these machines easy to customise and are tailored to meet each customer's needs.

Technical Data	Free Air Delivery l/min (cfm)						Dimensions L x W x H , mm		
	min @7bar	max @7bar	hp	kW	Bar	dB(A)	Base unit	With dryer	On vessel
CPVSd 10	272 (10)	1225 (43)	10	7.5	5.5-12.5	62	995 x 655 x 1045	1415 x 655 x 1045	1535 x 655 x 1535 (270 L)
CPVSd 15	265 (9)	1823 (64)	15	11	5.5-12.5	64	995 x 655 x 1045	1415 x 655 x 1045	1535 x 655 x 1535 (270 L)
CPVSd 21	780 (27)	2911(103)	20	15	5.5-12.5	68	1200 x 835 x 1220	1350 x 835 x 1220	1950 x 835 x 1835 (500 L)
CPVSd 29	780 (27)	3920 (140)	30	22	5.5-12.5	71	1200 x 835 x 1220	1350 x 835 x 1220	1950 x 835 x 1835 (500 L)
CPVSd 40	1000 (35)	5450 (192)	40	30	5.5-12.5	70	1330 x 830 1555	N/A	N/A
CPVSd 50	1067 (38)	6000 (212)	50	37	5.5-12.5	71	1330 x 830 1555	N/A	N/A



Direct drive for outstanding efficiency: 35% Energy savings



- 12% investment
- 3% installation
- 8% Service
- 77% Energy consumption

- Air demand
- Variable frequency driven costs
- Load Unload costs
- Savings

The direct driven transmission combined with the high frequency motor result in a very wide turn down and very low specific energy requirement at each speed.

The new generation of air ends with very strict tolerances grant outstanding volumetric efficiency resulting in a very low energy.



Low noise levels

Both the new elements (direct coupled) combined with the deep sound insulation results in a very low sound level.



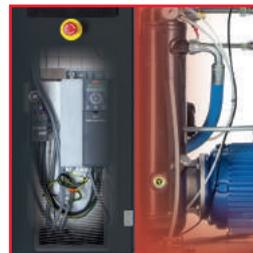
Easy and fast maintenance

Fast and easy serviceability, all the service components placed close to front panel.



ES4000

A unique control unit, specially programmed for energy saving. ES4000 advanced as option.



Energy saving

New generation of elements combined with new converters and highly efficient transmissions result in high flexibility.



Quality air package

CPVSd is available with dryer, water separator drain and post filter for improved quality air.

Ash Air: Providing top quality Air Compressors and Vacuum Pump services since 1979



Piston Compressors Screw Compressors Nitrogen & Dryers Portable Compressors & Generators Air Tools & Cordless Tools Vacuum Pumps

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providing nationwide support**

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- Auckland South*
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- Napier*
- Rotorua*
- New Plymouth*
- Palmerston North*
- Wellington*
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Compressed air solutions specialists.
Top quality air compressors & vacuum pumps.

The team at Ash Air is passionate about the performance of their products and services, with more than fifty qualified engineers working throughout the country providing unsurpassed compressed air solutions.

We look after New Zealand's air compressors and vacuum pumps, from the smallest to largest companies, and we are available 24/7 when and where you need us. Call us on 0800 274 247 to find out why we are the go-to team when it comes to vacuum pumps and air compressors. To learn more, visit www.ashair.co.nz