



ROTARY SCREW COMPRESSOR
CSA TANK DRY 7,5 - 10 - 15 - 20 HP

TECHNOLOGY YOU CAN TRUST

A Complete System ...

CSA TANK e CSA DRY are two industrial options for compressed air production. They are compact, pre-assembled and ready for use. Designed for small and medium-scale industrial needs. Ideal where space is limited or close proximity to the work site is required.



TYPICAL CSA DRY SET-UP

The **CSA TANK** primarily comprises:

- ① CSA
- ② horizontal air receiver

Atmospheric air compressed by the compressor is collected in the air receiver.

The condensate produced can be drained through a valve at the bottom of the air receiver.

The **CSA DRY** consists principally of:

- ① CSA
- ② horizontal air receiver
- ③ FMO pre-filter
- ④ CDX refrigerant type air dryer
- ⑤ FMM efficiency oil removal filter
- ⑥ by-pass dryers
- ⑦ centralized condensate draining system.

Atmospheric air is compressed by the compressor and stored in the air receiver, then filtered and dried before entering the air network.

Condensates formed during the various compressed air treatment phases are automatically drained.

CSA TANK

A rotary screw compressor unit assembled on a fixed horizontal air receiver, available in:

- two versions : 340 and 500 liters
- three pressures : 8 - 10 - 13 bars
- twenty-two models : from 7,5 a 20 HP

CSA compressor ①

Rotary screw compressor with high yield, high reliability and low noise-level. Field-tested and proven in a wide variety of situations.

A standard unit with:

- Oil injected compressor with an asymmetrical screws profile.
- Electric motor, closed, class IP54 for 7,5 HP; IP55 for 10-15- 20 HP, with insulation in class F, European Voltage.
- Combined air/air and air/oil cooler with a large surface area, ensuring low delivery air temperature and correct lubricating oil temperature.

- Oil vessel with triple-action air/oil separator cartridge for maximum filtering efficiency.
- Lockable, enclosed control panel, featuring:
 - automatic ASD startup with top-quality components tested under exacting conditions
 - ES 3000 controller capable of managing and controlling all compressor functions through an intelligent shut-down.
 - main on/off and emergency stop switch.
- Soundproofing fairing in painted steel with:
 - easily removable panels for faster maintenance
 - vents for cooling air entrance and exit
 - easily removable filtering panel for pre-filtering of compressor ventilation air.

Further details in CSA leaflet.



Air Receiver ②

Made of steel panels horizontally mounted on a fixed base, built and inspected according to current EEC regulations.

Sturdy structure allows all components to be assembled without affecting the tank's stability.

Specially designed base allows the unit to be lifted from any of its four sides with a forklift or standard pallet truck.

Ceccato Aria Compressa S.p.A. provides silenced up to compressors up to 20 HP with tanks from 500 l, occupying only 1.13 m² of space.

CSA DRY

A unit for the compression, drying and filtering of compressed air, assembled on a fixed, horizontal air receiver.

Available in:

- two versions : 340 and 500 liters
- three pressures : 8 - 10 - 13 bars
- twentytwo models : from 7,5 to 20 HP

for delivery of dried and filtered compressed air in conformity with ISO 8573-1 Classes 1- 1 - 4.



All condensates formed during the various air treatment phases are collected and drained using a programmable electronic system.



The condensates contain oil, and must be treated according to local regulations.

CDX dryer ④

for removing condensate in compressed air according to European environmental directives. Uses R134a ecological gas; with by-pass

A dryer featuring:

- low dewpoint,
- lower maintenance,
- high reliability.

Pre-Filter ③

General purpose protection for the air dryer, for improved reliability and efficiency.



After-Filter ⑤

High efficiency oil removal.

Cleaner air results in:

- Lower maintenance costs for distribution network, machinery and pneumatic tools.
- Energy savings through reduced in-line pressure drops.
- Improved productivity due to fewer breakdowns.
- Better final product quality.

A compressed air production, drying and filtering system with 20 HP motor and a 500-liter tank only occupies 1.13 m².

... With many Customer Benefits

Compact

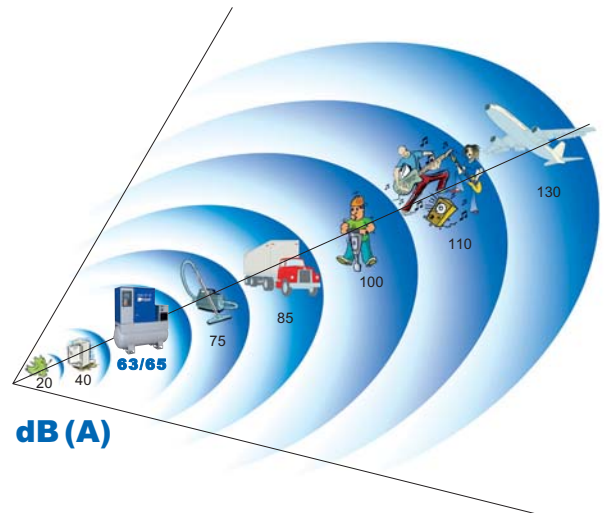
A complete compressed air generation and treatment system pre assembled and ready to use in a compact and space efficient package.

Silent running

Noise is no longer a problem. Thanks to proven CSA compressors, vibration-free operation and efficient cooling air flow, reducing noise emissions to only

63/65 dB(A)

This allows the unit to be installed close to working areas and offices.

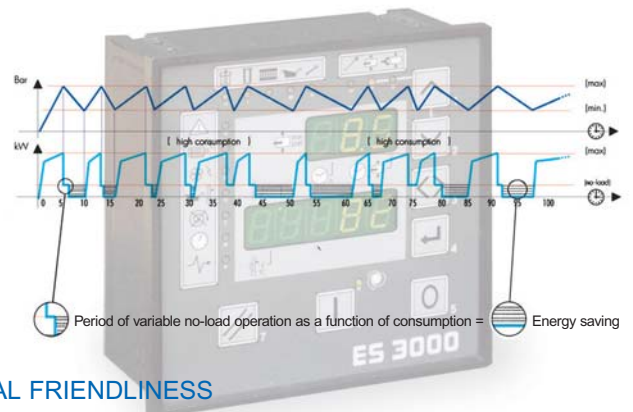


Economical

The direct-reading ES 3000 electronic regulator makes it possible to:

- manage all running operations,
- perform machine control and regulation,
- monitor irregularities,
- stop the compressor in the event of emergency,
- view the data on the machine's maintenance program.

- Reduced energy cost = **INCREASED SAVINGS**
- Reduced energy consumption = **INCREASED ENVIRONMENTAL FRIENDLINESS**



Easy maintenance





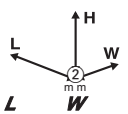





- Three panels for access to all compressor components,
- oil level visible from outside,
- internal components easily accessible to facilitate all maintenance operations.

Easy to transport

Thanks to their compact dimensions and the air receivers specially designed support base, the units can easily be transported with a standard pallet truck. The units' mobility also facilitates easy installation.



TECHNICAL DATA (ACCORDING TO ISO 1217 AND CAGI PNEUROP PN8NTC2)

Type																	
	bar	psi	HP	kW	l/l'	m³/h	cfm	dB (A)	L	W	H	Kg	type	type	type	FMO/FMM	litres
CSA TANK ④																	
CSA 7,5/8 - 500	8	116	7,5	5,5	790	47,4	27,9	64	1.750	670	1.750	370	CSA 7,5/8	-	-	-	500
CSA 7,5/10 - 500	10	145	7,5	5,5	630	37,8	22,3	64	1.750	670	1.750	370	CSA 7,5/10	-	-	-	500
CSA 10/8 - 500	8	116	10	7,5	1.120	67,2	39,6	64	1.750	670	1.750	390	CSA 10/8	-	-	-	500
CSA 10/10 - 500	10	145	10	7,5	1.000	60,0	35,3	64	1.750	670	1.750	390	CSA 10/10	-	-	-	500
CSA 10/13 - 500	13	188	10	7,5	790	47,4	27,9	64	1.750	670	1.750	390	CSA 10/13	-	-	-	500
CSA 15/8 - 500	8	116	15	11	1.620	97,2	57,2	63	1.750	670	1.750	405	CSA 15/8	-	-	-	500
CSA 15/10 - 500	10	145	15	11	1.400	84,0	49,5	63	1.750	670	1.750	405	CSA 15/10	-	-	-	500
CSA 15/13 - 500	13	188	15	11	1.210	72,6	42,8	63	1.750	670	1.750	405	CSA 15/13	-	-	-	500
CSA 20/8 - 500	8	116	20	15	2.000	120,0	70,7	65	1.750	670	1.750	410	CSA 20/8	-	-	-	500
CSA 20/10 - 500	10	145	20	15	1.790	107,4	63,3	65	1.750	670	1.750	410	CSA 20/10	-	-	-	500
CSA 20/13 - 500	13	188	20	15	1.470	88,2	51,9	65	1.750	670	1.750	410	CSA 20/13	-	-	-	500
CSA DRY ④																	
CSA 7,5/8 - 500 D	8	116	7,5	5,5	790	47,4	27,9	64	1.750	670	1.750	410	CSA 7,5/8	CDX9	20	-	500
CSA 7,5/10 - 500 D	10	145	7,5	5,5	630	37,8	22,3	64	1.750	670	1.750	410	CSA 7,5/10	CDX9	20	-	500
CSA 10/8 - 500 D	8	116	10	7,5	1.120	67,2	39,6	64	1.750	670	1.750	435	CSA 10/8	CDX12	20	-	500
CSA 10/10 - 500 D	10	145	10	7,5	1.000	60,0	35,3	64	1.750	670	1.750	435	CSA 10/10	CDX12	20	-	500
CSA 10/13 - 500 D	13	188	10	7,5	790	47,4	27,9	64	1.750	670	1.750	435	CSA 10/13	CDX12	20	-	500
CSA 15/8 - 500 D	8	116	15	11	1.620	97,2	57,2	63	1.750	670	1.750	455	CSA 15/8	CDX18	20	-	500
CSA 15/10 - 500 D	10	145	15	11	1.400	84,0	49,5	63	1.750	670	1.750	455	CSA 15/10	CDX18	20	-	500
CSA 15/13 - 500 D	13	188	15	11	1.210	72,6	42,8	63	1.750	670	1.750	455	CSA 15/13	CDX18	20	-	500
CSA 20/8 - 500 D	8	116	20	15	2.000	120,0	70,7	65	1.750	670	1.750	460	CSA 20/8	CDX18	20	-	500
CSA 20/10 - 500 D	10	145	20	15	1.790	107,4	63,3	65	1.750	670	1.750	460	CSA 20/10	CDX18	20	-	500
CSA 20/13 - 500 D	13	188	20	15	1.470	88,2	51,9	65	1.750	670	1.750	460	CSA 20/13	CDX18	20	-	500

- Sizes and weights without packaging

- ① Also available with 340 liter tank
- ② Variations for 340 liter tank:
 - weight reduced to 35 kg
 - depth reduced to 20 mm
 - height reduced to 65 mm
- ③ On request, CSA DRY units can be supplied with dryers adapted for extreme environmental conditions
- ④ Also available Inverter version (expect 7,5 HP)



Our products are under constant development. We therefore reserve the right to make any product changes deemed.



Design
Manufacture, Sales and
Service of air compressors,
Air dryers and air filters

