

AIR COMPRESSORS  
**ROLLAIR®**  
300-400-500-700

S I M P L I C I T Y



S I L E N C E

ROLLAIR T: with integrated dryer

C O L D



P U R I T Y

**AIR**  
Worthington  
Creysensac

# ROLLAIR® 300-700

## The smallest of the ROLLAIR®

Screw compressors offer the most reliable and economical methods of producing compressed air.

For that reason, Worthington Creyssensac has designed a new range of screw compressors from 3 to 7.5 hp in order to satisfy the smaller compressed air needs.

Take advantage of all the benefits of the ROLLAIR® 300-700 compared to a traditional piston compressor :

- Superior air quality
- Up to 30% more FAD
- Low noise levels
- Long life



### COMPACT

Less than 1 m<sup>2</sup>



Installation of your compressor is easy due to a minimal footprint :

- Many installation possibilities, even in small spaces
- Can fit directly into the workplace due to low noise levels
- Ready to use after electrical and air connection

A footprint of only 0.34 m<sup>2</sup> !



### SUPER SILENT

Noise pollution is the most evident annoyance from piston compressors around 85 dB(A). From 61 up to 64 dB(A), ROLLAIR® 300-700 eliminates all the risk of noise related nuisance, and can be fitted in the workplace :

- Preserve your environment
- No need for external installations
- Very quiet.

### AIR QUALITY



ROLLAIR® T includes a refrigeration dryer that eliminates water vapour from the compressed air, and guarantees total air quality :

- Protection of your pneumatic equipments
- Air quality guaranteed at source
- Reduces installation costs
- Eliminates risk of air leakage



# 10 reasons to choose a ROLLAIR® 300-700 (compared to a piston)

## Efficiency

Free Air Delivery = 100 % of the intake air (against 70% for some piston units)

## Cooling

Integrated oil cooler reduces running temperature.

## Operation

Continuous - 100 % loading if required - stable pressure.  
No off load cycle.

## Energy

About 30 % less energy consumed by choosing a model with a smaller motor power.

## Air Quality

Integrated air-oil separation.  
Compressed air temperature is only 15°C above ambient.

## Longevity

Screw compressor technology ensures longer life due to fewer moving parts, and the use of reliable, robust and proven components.

## Simplicity

Simple design, with additional features over and above that of a piston compressor :

- Oil filter for longer oil life.
- Air/Oil separation ensures superior air quality.

3 - Energy

4 - Unit selection

5 - Vibration

6 - Noise level

Efficiency - 1

Operation - 2

Cooling - 7

Air Quality - 8

Longevity - 9

Simplicity - 10

## Unit selection

**Example:** A 5.5 kW screw compressor can generate 36 m<sup>3</sup>/h constantly – A 7.5 kW piston compressor would be required for the same air demand.

**Example:** Such a piston unit has a piston displacement of 70 m<sup>3</sup>/h, equivalent to an FAD of 50 m<sup>3</sup>/h; Due to its intermittent running, it can only reach 33 m<sup>3</sup>/h. A screw compressor with less power can provide same average FAD.

## Vibration

Almost none, which will reduce wear on mechanical components.

## Noise level

From 61 up to 64 dB(A), it is less than a phone ring and equivalent to a conversation.



# Technical data

Model	Working pressure bar	<sup>(1)</sup> FAD		<sup>(2)</sup> Motor power		Start	Noise level dB (A)	<sup>(3)</sup> Air outlet			Weight		
		m <sup>3</sup> /h	cfm	kW	hp			Frame	200 L	200 L+T	Frame	200 L	200 L+T
ROLLAIR® 300 <sup>(*)</sup>	10	14,4	8,5	2,2	3	DD	61	3/4"	1/2"	3/8"	99	155	187
ROLLAIR® 400	10	19,2	11,3	3	4	DD	61	3/4"	1/2"	3/8"	103	157	191
ROLLAIR® 500	10	28,2	16,6	4	5,5	DD/YD	62	3/4"	1/2"	3/8"	105	159	193
ROLLAIR® 700	10	36,0	21,2	5,5	7,5	YD	64	3/4"	1/2"	3/8"	110	164	198

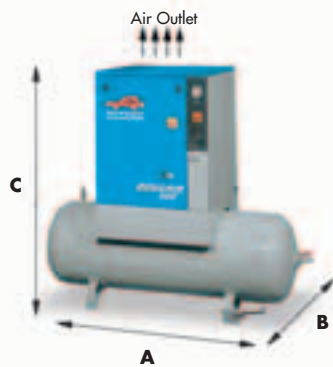
(\*) : Mono or Tri

<sup>(1)</sup> ISO 1217 : 1996

<sup>(2)</sup> CAGI PNEUROP PN8NTC2

<sup>(3)</sup> G-thread

## Dimensions



	On 200L air receiver	Frame
A	1420	620
B	575	605
C	1255	950

Dimension in mm



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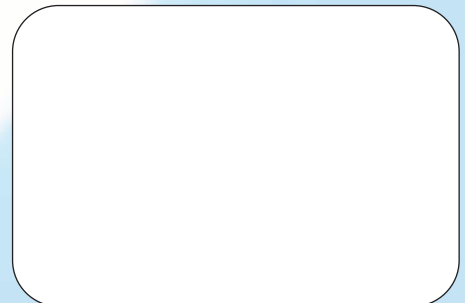
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