



**Worthington  
Creyssensac**



**AIR COMPRESSORS ROLLAIR®**

**15 - 20 - 25 - 30 - 40E**

# ROLLAIR® 15-40E: INCREASED FLEXIBILITY IN AN EXTENDED RANGE



*Worthington Creyssensac cares for future generations and is an ISO 14000 certified manufacturing company of compressed air solutions that ensure maximum satisfaction to our customers. For years, we have been implementing programs that improve our logistics, manufacturing efficiency and product quality, as well as our impact on the environment.*



Our ROLLAIR® 15-40E design is based on this philosophy, and in addition to low noise levels and high reliability, our range features Efficiency 1 motors, 4 pressure variants on fixed speed units, and extended variable speed models over 4 power sizes, thus increasing energy saving

opportunities for many applications. An integrated dryer option can complement any variant, offering a compact solution for improved air quality within the same floor space.

## A CHOICE OF 2 ERGONOMIC CONTROLLERS

### INFOLOGIC®

The INFOLOGIC® electronic controller is fitted as standard on all ROLLAIR® 15-40E fixed speed compressors. Through its icon display and user friendly panel, you can obtain useful visual control and diagnostic information.



A back lit 4 digit and 7 segment icon display for operational, safety and service information.

#### 3 LEDs:

- Auto Run
- Error or Warning
- Power on

#### Standard functions of INFOLOGIC®

- Pressure display
- Temperature and dew point display
- High and low temperature default
- Limitation of number of motor start-ups
- Remote default
- Remote stop/start
- Programmable auto-restart
- CAN communication port
- Slave in MULTIOLOGIC® network

## CAN communication of INFOLOGIC® and AIRLOGIC®

### Exemple of Multilogic network

Up to 3 slaves  
INFOLOGIC® or  
AIRLOGIC® units



A total of 56 standard versions are available in 400/3/50Hz. Other voltages are available upon request (ex: 440/60)

Power (hp)	<b>ROLLAIR® (VT)</b> Integrated fridge dryer	
	<b>Fixed Speed ROLLAIR®</b> 7,5 / 8 / 10 / 13 bar	<b>Variable Speed ROLLAIR® V</b> 4-9,5 / 7-12,5
<b>15</b>	•	-
<b>20</b>	•	•
<b>25</b>	•	•
<b>30</b>	•	•
<b>40E</b>	•	•

### Low noise levels

Environmentally friendly  
Flexibility of installation



## AIRLOGIC®

The AIRLOGIC® electronic controller is fitted as standard on all ROLLAIR® 20-40E variable speed compressors due to its enhanced communication capabilities. As a factory mounted option or retrofit kit, it can also replace any INFOLOGIC®.



Back lit, 3-line digital display with a choice of 25 languages

#### 3 LEDs:

- Auto Run
- Error or Warning
- Power on

#### Extra functions of AIRLOGIC®

- Pressure assisted oil change
- Fault history (up to 5)
- Automatic operation output
- Remote alarm
- Remote Load/unload
- Dual pressure band selection
- Input/Output extension modules
- Master (or slave) in MULTILOGIC® network
- MODBUS/PROFIBUS/RS485 compatible



AIRLOGIC®  
+  
MULTILOGIC®  
dongle option

## DESIGNED FOR EXCEPTIONAL PERFORMANCE

### High efficiency air filtration & oil separation

The air intake is located at high level to prevent larger dust particles entering.

Fresh air is taken from the cold side ensuring an optimum running temperature. An encapsulated 2µm intake filter guarantees only clean air enters the compressor for total reliability.

A vertical oil tank allows first cyclonic separation by gravity. Oil separation and oil filter cartridges then ensure a residual oil level in the compressed air of less than 3 ppm.

### Increased accessibility and handling

All usual service operations can easily be done from the front hinged door.

Filter and cartridge change, including oil change and oil level check.

Maintenance costs are kept to a minimum.

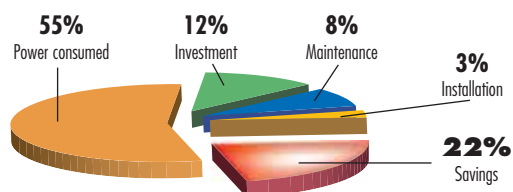
The units are accessible by a forklift from 3 sides enabling easy handling.



## ALL IN ONE AIR QUALITY AND ENERGY EFFICIENCY

### ROLLAIR® V(T): 20-25-30-40E

Many industries have a fluctuating compressed air demand. Depending on this profile, using an inverter can bring tremendous savings (up to 30%) and a quick payback (usually less than 2 years). Many countries are now additionally supporting these investments with incentives to assist CO2 emission reduction.



Variable speed compressor models, ROLLAIR® V are equipped as standard with the AIRLOGIC® controller for advanced communication with the VACON inverter. This inverter is located vertically in the electrical cubicle, and equipped with an integrated fan: cooling air is taken from the cold area through filtration foam located behind the inlet baffle for improved reliability. The inverter used in the ROLLAIR® V has the latest electronic technology and dedicated software allows precise regulation of the motor speed in relation to the air demand and a tight pressure control, giving maximum energy savings. ROLLAIR® V compressors are EMC (Electro Magnetic Compatibility) certified which guarantees no magnetic interference with the electrical network.

### INTEGRATED INVERTER



- Energy savings
- Soft start
- Avoids off load cycles
- Tight pressure control
- Low space requirements
- EMC design



## Quality drive

Our high efficiency, oil lubricated asymmetric profile screw element has proven reliability in thousands of installations worldwide.

IP55 class F and Efficiency ONE SIEMENS motors guarantee protection, reliability and economical power to the ROLLAIR® 15-40E.



+

EFF I

## Optimum ventilation

Components requiring cooling are isolated in a 'cold' area for maximum efficiency:

-High efficiency aluminium mono-block coolers with a large surface area are mounted in the roof area for easy ducting and cleaning.

-The low running speed of the turbine increases reliability and longevity whilst lowering noise levels. The optimum ventilation flow is assured with minimal energy consumption.

Motor cooling is provided for by an independent flow of air to provide a lower running temperature.



The direct drive motor / element assembly guarantees perfect drive alignment, maximum Free Air Delivery and eliminates regular maintenance associated with belt drive systems.

## ROLLAIR® T: 15-20-25-30-40E

As water is separated from the air during compression, this condensate can cause corrosion to the network, tools and processes.

To avoid this, the use of a dryer is highly recommended. Worthington Creyssensac integrates, as an option in the compressor, a fridge dryer equipped with an aluminium heat exchanger for efficient thermal exchange.

ROLLAIR® (V)T offers a fully packaged and compact solution, ready to run:

- Upstream centrifugal water separator with timer drain that achieves 85% pre-separation before the dryer inlet
- Dryer sized to the full compressor capacity allowing accurate dew point control completed with a display, whilst maintaining a minimal pressure drop
- Independent dryer air intake and enclosure for optimum cooling
- Auto-start with compressor
- Dryer electronic drain fitted for no pressure loss
- Single drain outlet for easy connection
- CFC free refrigerant fluid R404A
- By-pass system
- Factory mounted and tested for leakage free operation
- 230V/1/50Hz independent power supply (transformer option for single supply)

## INTEGRATED DRYER



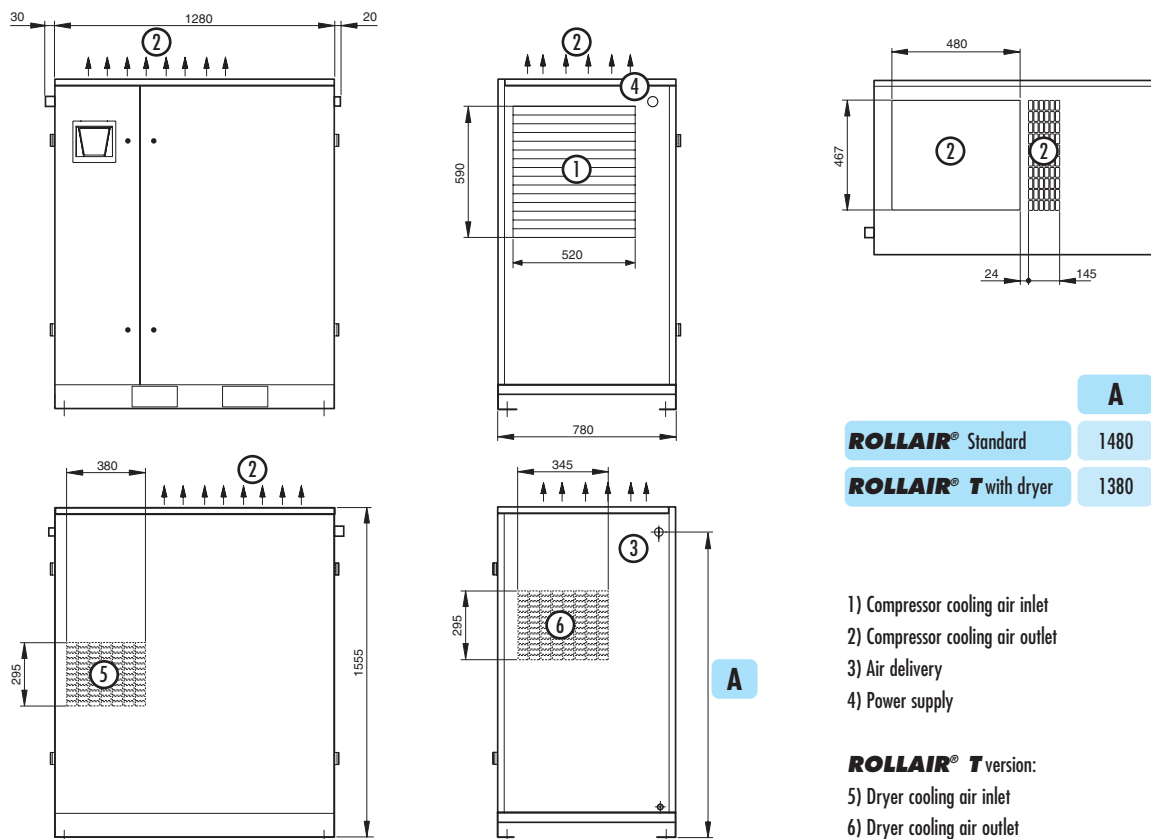
Automatic drain

Water separator



- Increased air quality
- More installation possibilities
- Space saving
- Elimination of leakage risk
- Simplified installation

# DIMENSIONS



	A
<b>ROLLAIR® Standard</b>	1480
<b>ROLLAIR® T with dryer</b>	1380

- 1) Compressor cooling air inlet
- 2) Compressor cooling air outlet
- 3) Air delivery
- 4) Power supply

- ROLLAIR® T version:**
- 5) Dryer cooling air inlet
  - 6) Dryer cooling air outlet

# TECHNICAL DATA

FIX SPEED VERSION	Working pressure *	Free Air Delivery ** at ref. conditions		Motor power		Noise *** level dB(A)	Cooling air volume m <sup>3</sup> /h	Weight	
		m <sup>3</sup> /h	cfm	kW	hp			Standard kg	T
<b>ROLLAIR® 15</b>									
A	7,5	116	68,4	11	15	61	3500	460	520
8 bar	8	110	64,8	11	15	61	3500	460	520
B	10	91	53,6	11	15	61	3500	460	520
C	13	72	42,4	11	15	61	3500	460	520
<b>ROLLAIR® 20</b>									
A	7,5	162	95,1	15	20	62	3500	470	530
8 bar	8	149	87,3	15	20	62	3500	470	530
B	10	132	77,8	15	20	62	3500	470	530
C	13	109	64,2	15	20	62	3500	470	530
<b>ROLLAIR® 25</b>									
A	7,5	197	116,1	18,5	25	63	3500	490	550
8 bar	8	190	111,7	18,5	25	63	3500	490	550
B	10	162	95,5	18,5	25	63	3500	490	550
C	13	139	81,9	18,5	25	63	3500	490	550
<b>ROLLAIR® 30</b>									
A	7,5	227	133,5	22	30	64	3500	496	566
8 bar	8	220	129,5	22	30	64	3500	496	566
B	10	194	114,3	22	30	64	3500	496	556
C	13	169	99,6	22	30	64	3500	496	556
<b>ROLLAIR® 40e</b>									
A	7,5	276	162,5	30	40	65	4600	542	612
8 bar	8	273	160,4	30	40	65	4600	542	612
B	10	256	150,4	30	40	65	4600	542	612
C	13	221	130,2	30	40	65	4600	542	612

\* 0,25 bar less on T version

\*\* as per ISO 1217 : 1996

\*\*\* as per CAGI PNEURO P  
PN8NTC2

# OPTIONS

A wide choice of options can be added to support special requirements, communication and environment conditions.

Water separator	Standard on T and VT
Automatic drain for machine water separator	
AIRLOGIC®	on INFOLOGIC®
Oil (4000h/Food grade)	
Phase control	
Modulating control	on fix speed
MULTILOGIC® (Master-Slaves management)	
High efficiency air intake filtration	
High efficiency pre filtration panels	
Canopy heater	
Auto restart	Standard (to be activated)
IT neutral (V units)	Standard (to be activated)



As a measure of our confidence in our technology and quality, we offer the option of a 5-year warranty extension when the equipment is maintained in accordance with our AIRPlus maintenance contracts, based on the use of genuine spare parts designed for maximum efficiency and reliability of the machines.

**AIR+**



VARIABLE SPEED VERSION	Free Air Delivery at reference conditions *										Motor power		Noise ** level	Cooling air volume	Weight	
	FAD min.		FAD max.								kW	hp			Standard	T
	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm			m³/h	cfm		
<b>ROLLAIR® 20</b>																
V	43	25	180	97	165	95	142	84	-	-	15	20	65	3500	490	550
V HP	32	19	-	-	134	79	132	78	119	70	15	20	64	3500	490	550
<b>ROLLAIR® 25</b>																
V	35	21	200	119	196	114	178	105	-	-	18,5	25	66	3500	510	570
V HP	34	20	-	-	152	90	151	89	142	83	18,5	25	65	3500	510	570
<b>ROLLAIR® 30</b>																
V	43	25	230	136	229	135	205	121	-	-	22	30	67	3500	516	586
V HP	31	18	-	-	183	108	181	107	176	103	22	30	66	3500	516	576
<b>ROLLAIR® 40E</b>																
V	36	21	273	161	270	159	246	145	-	-	30	40	68	4600	562	632
V HP	36	21	-	-	233	138	232	137	219	129	30	40	67	4600	562	632

\* as per ISO 1217 : 1996

\*\* as per CAGI PNEUROP PNBNTC2

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# SHARING OUR VALUES



## PARTNERSHIP

Close working partnerships form the foundation of our corporate culture. This identity has grown from our strength in developing long term partnerships with our distribution and sales networks that have local knowledge and experience to provide a total compressed air solution service, tailored specifically to our customers' requirements.

Our business approach has earned us a reputation of trust and loyalty committed to achieving success through partnership.

## COMPETENCE

Personnel skill development is a vital part of our success: by a continuous improvement process we improve the ability of our personnel to maintain and improve the service to our customers.

We carry this process through to our partner distributors to ensure that we create a motivated and enthusiastic team working together for the benefit of our customers.

## EVOLUTION

Our strategy in product and service development is based on continuous improvement of our products and services in order to meet the requirement of the market and our customers. Continued investment in the design of new products and the use of innovating technologies keep our compressed air solutions amongst the most competitive in the industry. This is our mission to guarantee the satisfaction and trust of our customers.

### UK

#### Worthington Creyssensac Air Compressor Products Ltd.

Unit 10 Ravenhurst Court,  
Risley Road  
Birchwood, Warrington  
Cheshire WA3 6PN

Phone: 01925 817 803  
Fax: 01925 850 186

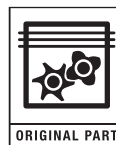
### Export

#### Worthington Creyssensac

Zone Industrielle 4 rue Émile Zola  
B.P. 80419 60114 Méru France

Tél. : 33 (0)3 44 52 67 31  
Fax : 33 (0)3 44 52 67 35

wce.info@airwco.com



### YOUR DISTRIBUTOR



[www.airwco.com](http://www.airwco.com)