



Worthington
Creyssensac



AIR COMPRESSORS **ROLLAIR® V**
VARIABLE SPEED

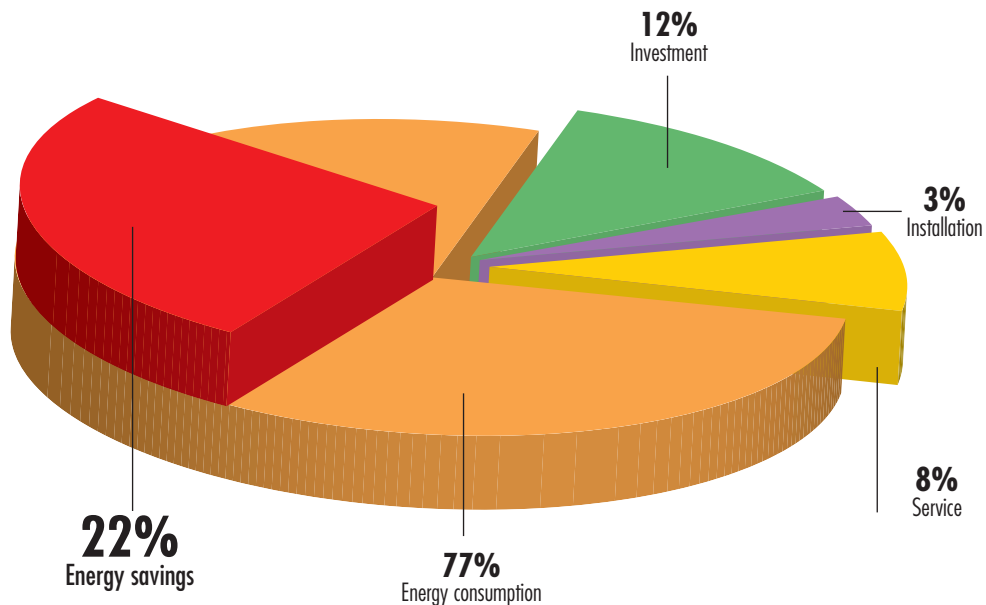
ROLLAIR® V (VARIABLE SPEED):

Reducing energy consumption:

Optimized manufacturing costs can be achieved by efficient control of energy use.

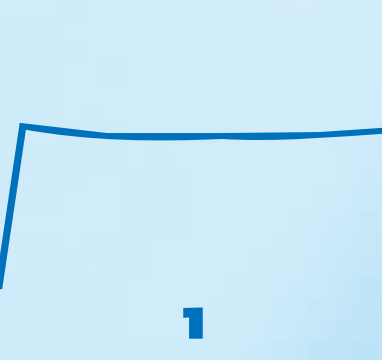
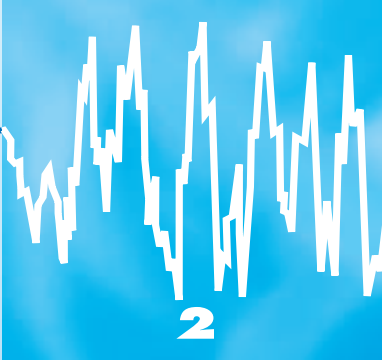
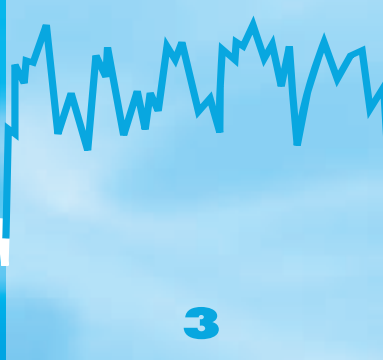
The ROLLAIR® V range of variable speed compressors can reduce compressed air production costs by as much as 30%.

In many cases there is a return on investment of less than 1 year.



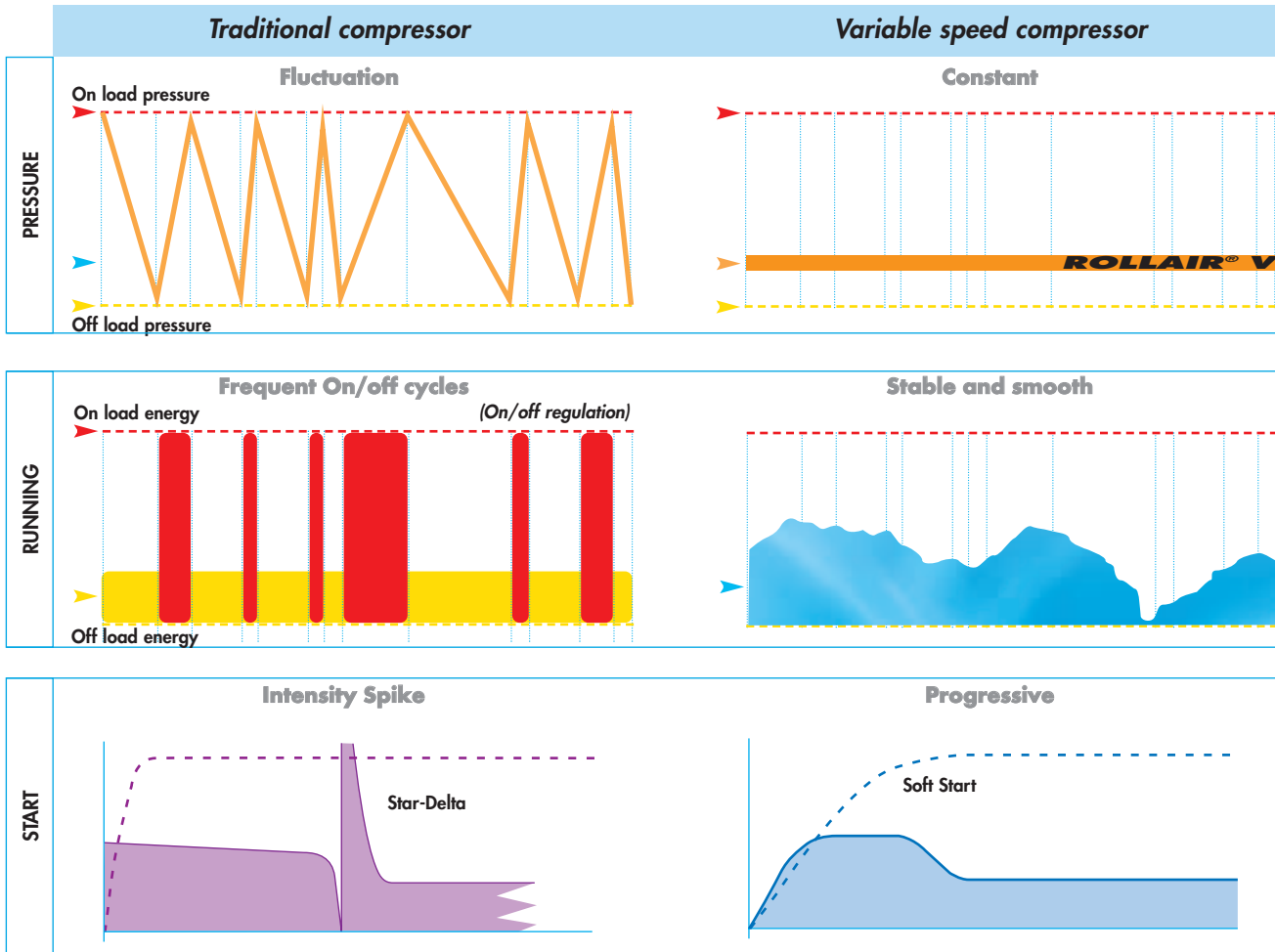
MAXIMISE YOUR ENERGY SAVINGS

Selection of variable speed according to customer requirement:

REQUIREMENT	CASE 1 : Stable air demand	CASE 2 : Variable air demand between 20 and 80%	CASE 3 : Variable air demand over a constant demand
			
ADVISED SOLUTION	Fixed speed compressor (ROLLAIR®)	Variable speed compressor (ROLLAIR® V)	Combination of a fixed and variable speed compressor (ROLLAIR® + ROLLAIR®V)

Most favourable cases for energy savings

SAVING YOU ENERGY



Expertise and experience of our network that is dedicated to our customers.

Worthington Creyssensac can help you to evaluate the potential for energy savings and select the most suitable solution to suit your individual requirements.

<p>Abacus</p> <p>Estimation of your savings on a specific day</p>	<p>Calculators</p> <p>Computing of your savings on a specific day</p>	<p>BOXAIR* measuring box</p> <p>* (upon order)</p> <p>Precise calculation of your investment payback using real time data extracted directly from the your installed equipment.</p>
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Our selection of 12 ROLLAIR® V models enables us to recommend a solution that will suit your real installation requirements.

AIR COMPRESSORS
ROLLAIR® V
VARIABLE SPEED

ROLLAIR® V : COMPACT WITH INTEGRATED INVERTER

The most effective solution for variable speed

- **Compact compressor:**

Being small, the inverter is vertically integrated into the cubicle of a standard ROLLAIR® canopy. Thus the ROLLAIR® V has one of the smallest prints in the market today.
(ex: ROLLAIR® 150V = 2.12m²)

- **High efficiency integrated inverter:**

Innovations in the field of electronics has lead to frequent improvement of components.
By using a latest generation inverter, ROLLAIR® V offers you the most advanced technology.



AIRLOGIC® ELECTRONIC CONTROLLER: USER FRIENDLY AND COMMUNICATIVE

This intuitive controller is standard over our ROLLAIR® range, and equipped with dedicated software when used on ROLLAIR® V that provides unique functions for minimising energy use.



- **Pressure schedule**

AIRLOGIC® lets you define and program two pressure thresholds (6 steps per day) in order to satisfy varying demand and pressure requirements

- **Optimised air delivery**

Whatever the pressure requirement the ROLLAIR® V will precisely match load to demand by constantly varying the motor speed to ensure the most efficient use of energy – no offload running.

EMC: ELECTRO MAGNETIC COMPATIBILITY

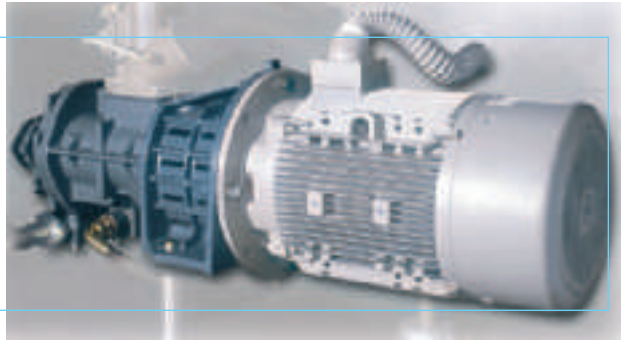
An EMC certificate is delivered with all ROLLAIR® V machines which guarantees that there will be **no electromagnetic interference** on your system or compressor.

EMC conformity is linked to the integration in our compressors of specific components: a cubicle with stringent design, electrical insulators, shielded cables, and most of all an RFI filter (Radio frequency Interference).

IP 55 motor, standard over our range

ROLLAIR® V benefit from a high efficiency motor also used on our standard ROLLAIR® range.

From ROLLAIR® 20V and up, this motor is direct driven for improved compressor efficiency and reliability.



Maximum motor cooling / minimum energy consumption

One of the advantages of ROLLAIR® V 40-150 is that the motor is placed directly under the cooling air turbine.

This means the motor has a constant flow of cooling air across it, resulting in low motor temperature even at low speed. It contributes to a longer motor life.

Moreover, air cooling turbine gives low rotational speed, superior air flow, 30% lower energy to a conventional motor driven fan, and a very low noise level.

ROLLAIR® 220V is also equipped with an inverter that controls the ventilation fan motor for even more energy efficiency.



• Complete information

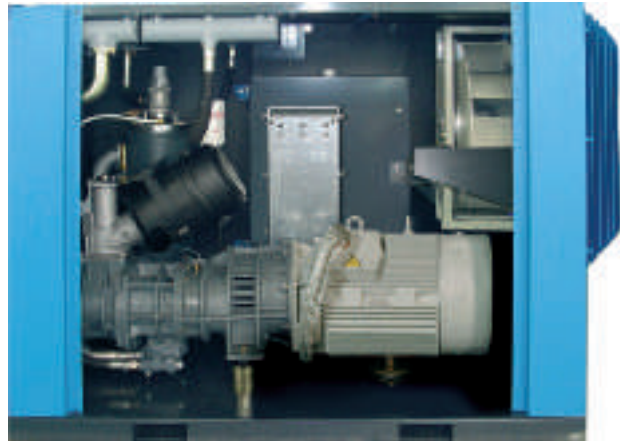
Instantaneous motor speed is by default displayed on the screen.

- Safety messages of the inverter are reported to the controller display for simple diagnosis.
- 3 languages out of 25, upgradable software, many digital inputs/outputs available, network communication capability.

• Multi compressor control

An optional electronic key can be connected at the back of the AIRLOGIC® allowing connection of up to 4 compressors including a ROLLAIR® V, to ensure efficient rotation and balanced running hours.

Communication with ROLLAIR® 1500V is not made through the AIRLOGIC® but directly by using the inverter display.



INTEGRATED DRYER OF ROLLAIR® VT: FOR ADDITIONAL SAVINGS

Worthington Creyssensac offers an integrated refrigerated air dryer on its range ROLLAIR®VT from 11 up to 55 kW. This gives the following benefits:

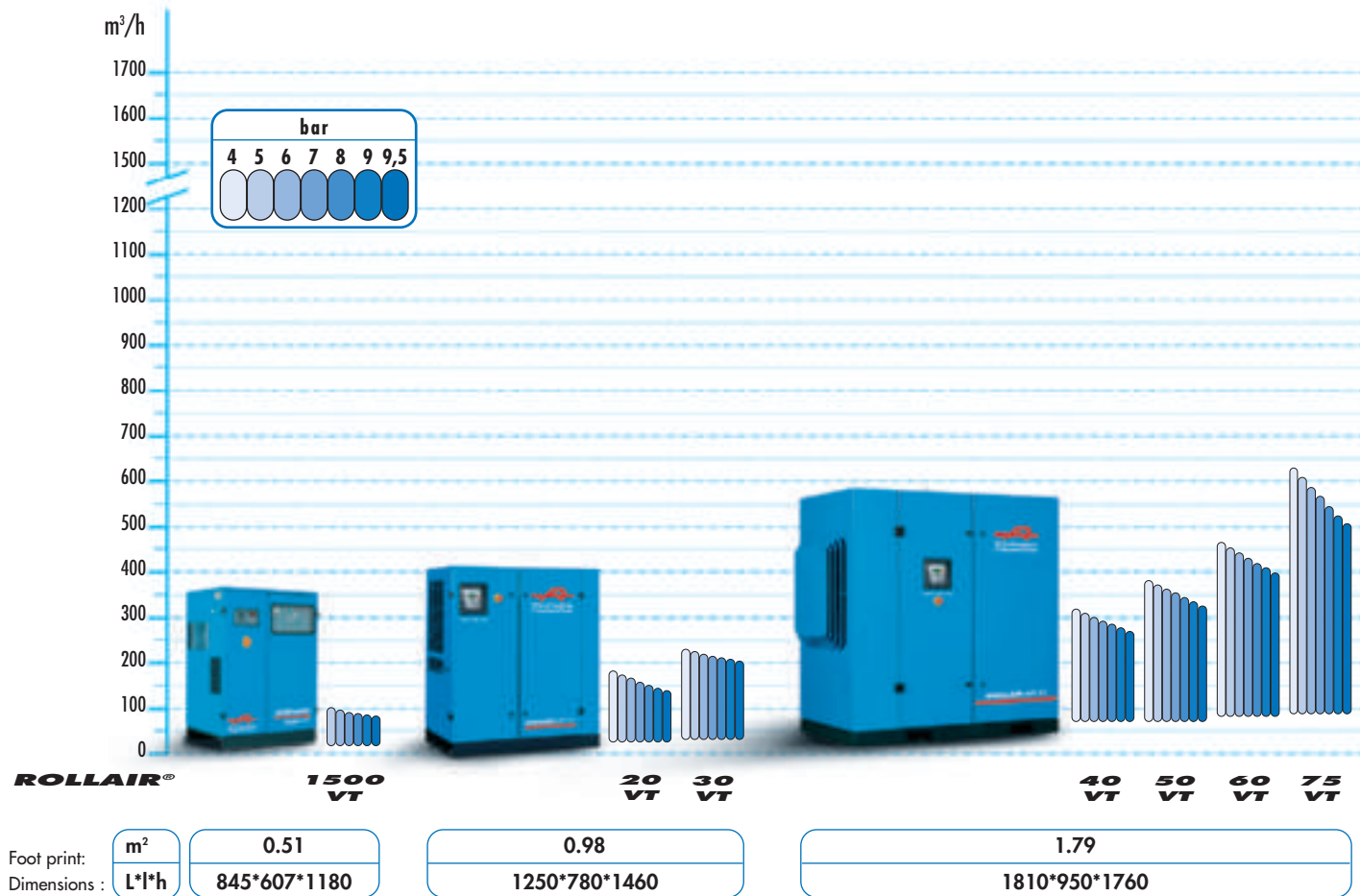
- **Reduced foot print,** with an average of 30 to 40% decrease in floor area.
- **Reduced installation costs,** as the dryer is factory fitted.
- **Many installation possibilities,** thanks to the combination of a low noise level and reduced dimensions.
- **Reduced pressure drop,** as compressor/dryer package can be installed close to the workplace, thereby minimising pipe lengths and leakage risks.
- **Optimised air quality,** from a single compact unit with very low noise level.



Complete installation.

A COMPLETE RANGE

FAD is a function of the compressor power and pressure.



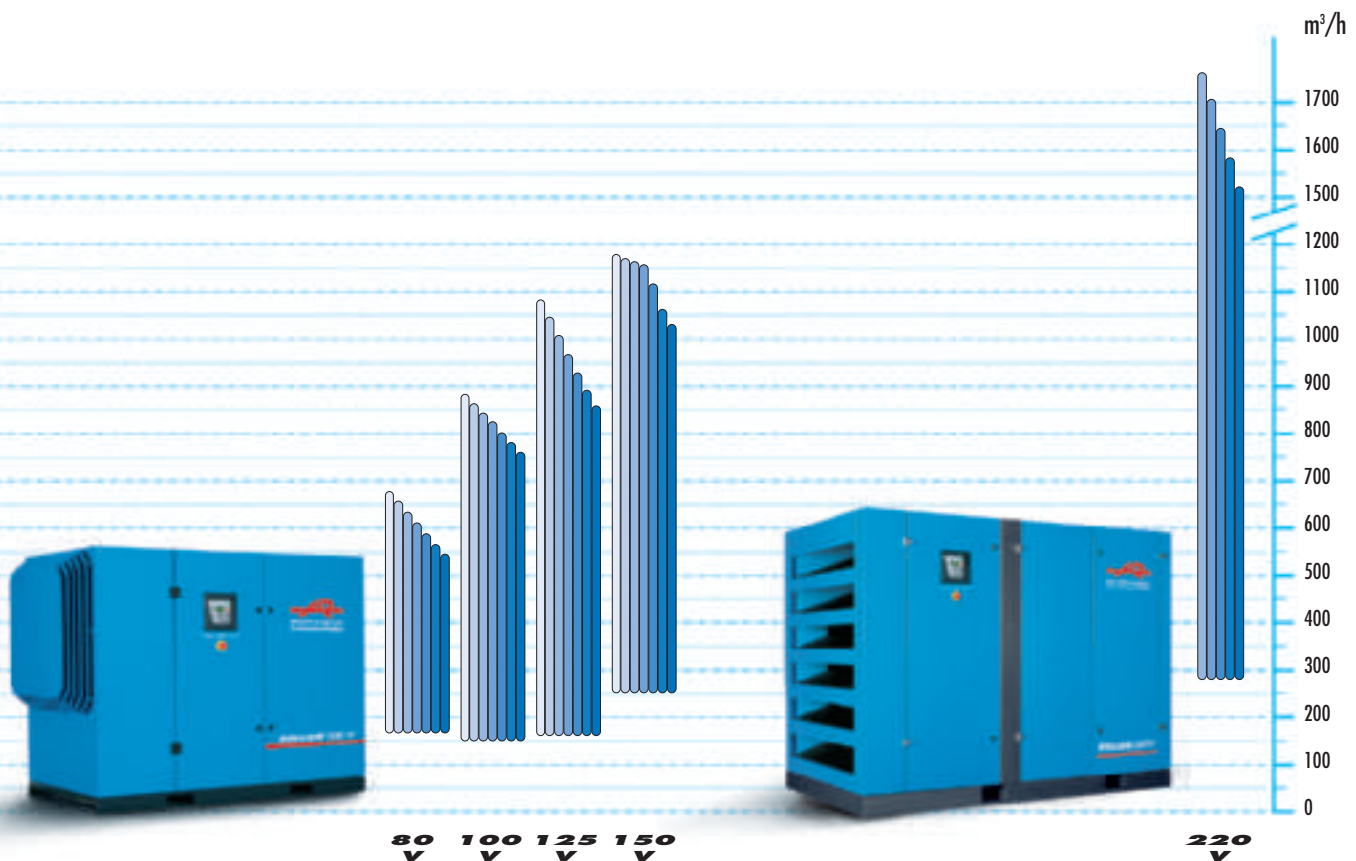
TECHNICAL DATA

A choice between two versions of ROLLAIR® V:

Standard model with pressure between 4 and 9.5bar. HP model with pressure between 7 and 12.5 bar.

Model	STD (bar) HP (bar)	FAD mini (1) m³/h cfm	FAD maxi(1) m³/h cfm												Motor power kW hp		Acoustic level (2) dB(A)	Ø air output (3) "	Weight V VT	
			4	5	6	7	8	9	9,5	10	11	12	12,5			V			VT	
RLR 1500V	STD	15,5 9		103 61	102 60	101 59	101 59	96 56,5	93 54,7	92 54,0	88 51,7	84 49,4	83 48,8	11	15	61	3/4	267	308	
RLR 20 V	STD HP	37 21,7 28 16,5	190 112	187 110	177 104	169 99 134 79	159 94 133 78	150 88 132 78	145 85	131 77	125 74	117 69	114 67	15	20	65	1	470	530	
RLR 30 V	STD HP	43 25,3 29 17,1	235 138	235 138	235 138	235 138 180 106	234 131 180 106	223 125 179 105	213 123	209	178 105	177 104	176 103	22	30	68	1	529	599	
RLR 40 V	STD HP	79 46,5 76 44,7	331 195	331 195	331 195	331 195 240 141	310 183 239 141	292 172 238 140	283 166	237 140	236 137	231 136	223 131	30	40	65	1 1/2	815	915	
RLR 50 V	STD HP	79 46,5 77 45,3	406 239	406 239	405 238	398 234 284 167	376 221 283 167	355 209 282 166	346 204	280 165	279 164	277 163	276 162	37	50	66	1 1/2	900	1000	
RLR 60 V	STD HP	84 49,4 78 45,9	495 291	494 291	493 290	476 280 350 206	451 265 349 205	426 251 348 205	416 245	347 204	345 203	343 202	342 201	45	60	67	1 1/2	975	1075	
RLR 75 V	STD HP	83 48,8 81 47,7	636 374	632 372	605 356	582 342 484 285	555 327 483 284	531 313 481 283	518 305	480 283	469 276	447 263	436 257	55	75	70	1 1/2	1165	1265	
RLR 80 V	STD HP	152 89,5 -	687 404	685 403	681 401	643 378 -	604 356 -	567 334 -	550 324	-	-	-	-	55	75	65	2	1480	NA	
RLR 100 V	STD HP	145 85,3 162 95,3	890 524	889 523	887 522	880 518 710 418	830 489 708 417	785 462 706 416	766 451	704 414	702 413	669 394	652 384	75	100	66	2	1550	NA	
RLR 125 V	STD HP	164 96,5 144 84,7	1094 644	1070 630	1031 607	980 577 788 464	932 458,5 786 463	885 521 784 461	863 508	782 460	780 459	754 444	736 433	90	125	71	2	1655	NA	
RLR 150 V	STD HP	202 118,9 142 83,6	1169 688	1167 687	1165 686	1144 673 902 531	1094 644 900 530	1044 614 898 529	1019 600	896 527	894 526	892 525	883 520	110	150	74	2	1860	NA	
RLR 220 V	STD HP	285 167,7 -	-	-	1790 1054	1783 1049 -	1690 995 -	1585 933 -	1548 911	-	-	-	-	180	240	77	3	4000	NA	

(1) As per ISO 1217: 1996 - (2) As per CAGI PNEUROP PN8NTC2 - (3) G-thread
 ROLLAIR® and AIRLOGIC® are registered trademarks of Worthington Creyssensac.



80 V 100 V 125 V 150 V

220 V

2.29

2160*1060*1600

4.84

3007*1610*2111

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

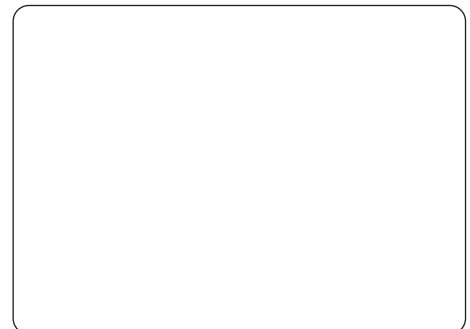
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YOUR DISTRIBUTOR



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