Worthington Creyssensac

AIR COMPRESSORS ROLLAIR® V

VARIABLE SPEED

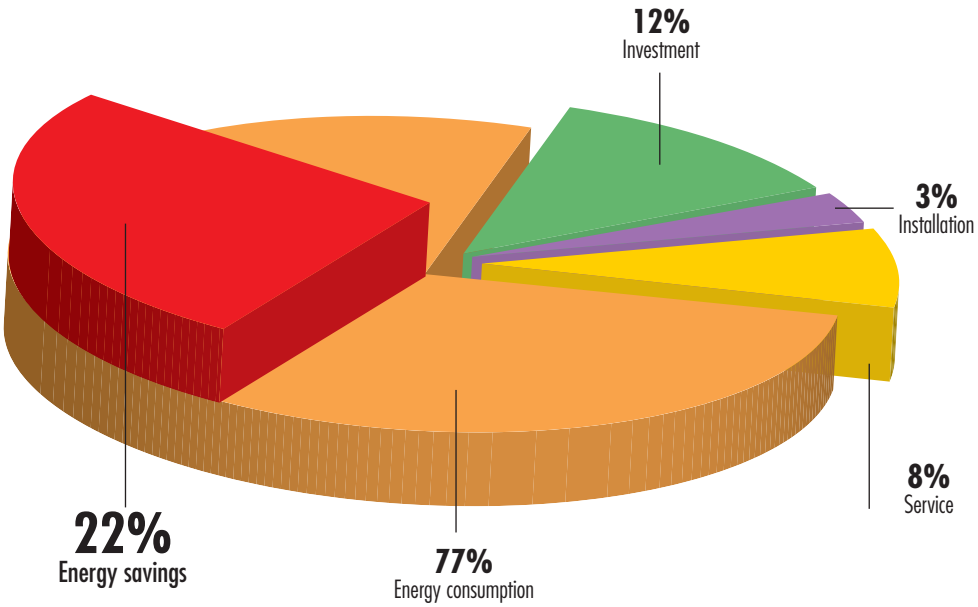
ROLLAIR® V (VARIABLE SPEED):

Reducing energy consumption:

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

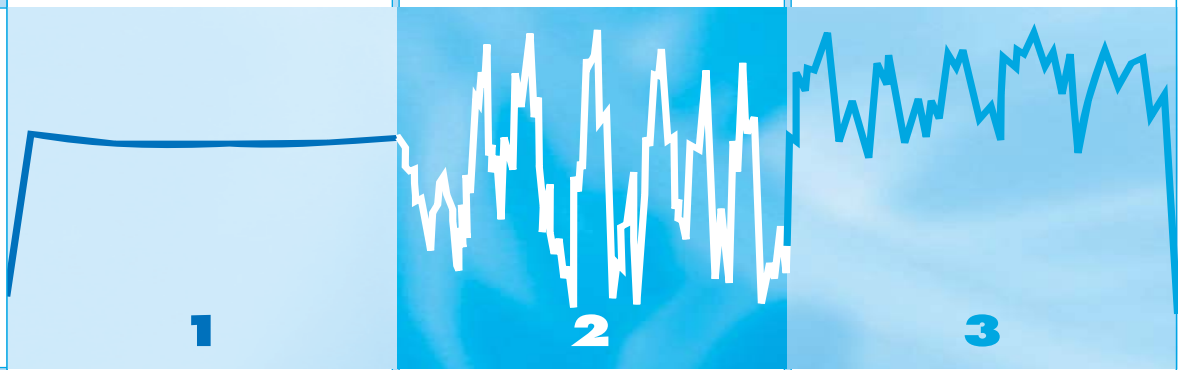
The ROLLAIR® V range of variable speed compressors can reduce compressed air production costs by as much as 30%.

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



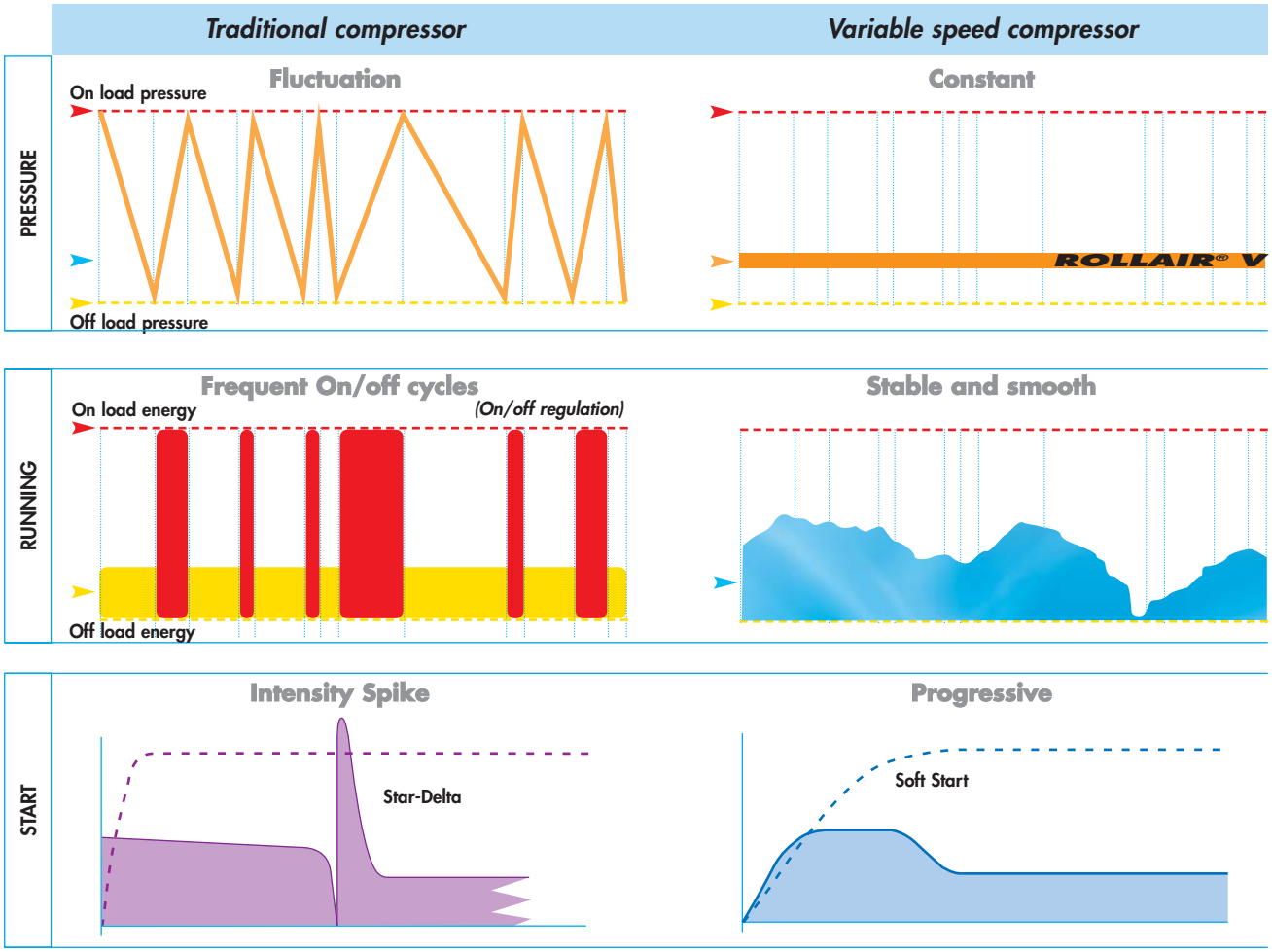
MAXIMISE YOUR ENERGY SAVINGS

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
	 1	2	3
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

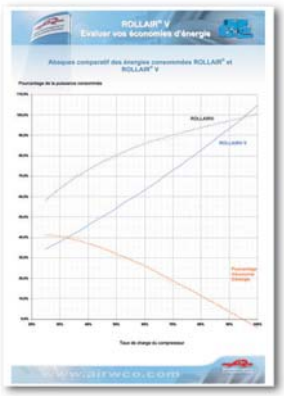
SAVING YOU ENERGY



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.

Abacus



Estimation of your savings on a specific day

Calculators

Computing of your savings on a specific day

BOXAIR measuring box and PROFILAIR*

* (upon order)

Precise calculation of your investment payback using real time data extracted directly from your installed equipment.

Our selection of 28 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.

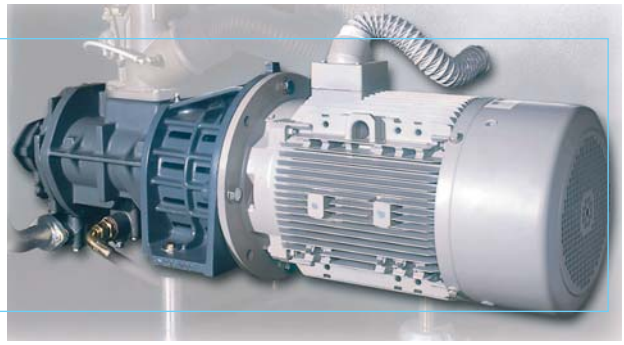
EMC: ELECTRO MAGNETIC COMPATIBILITY

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).

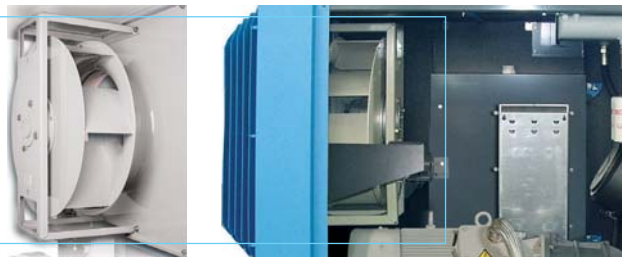
IP 55 motor, standard over our range

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® 200V and 240V are also equipped with speed regulated fan motors for even more energy efficiency.



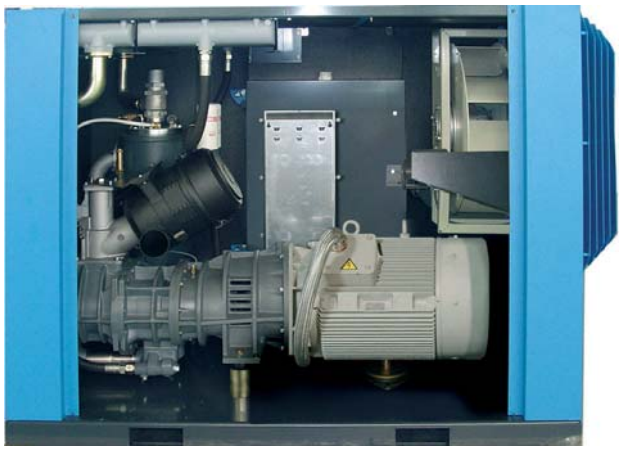
• *Complete information*

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.

• *MULTILOGIC® 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

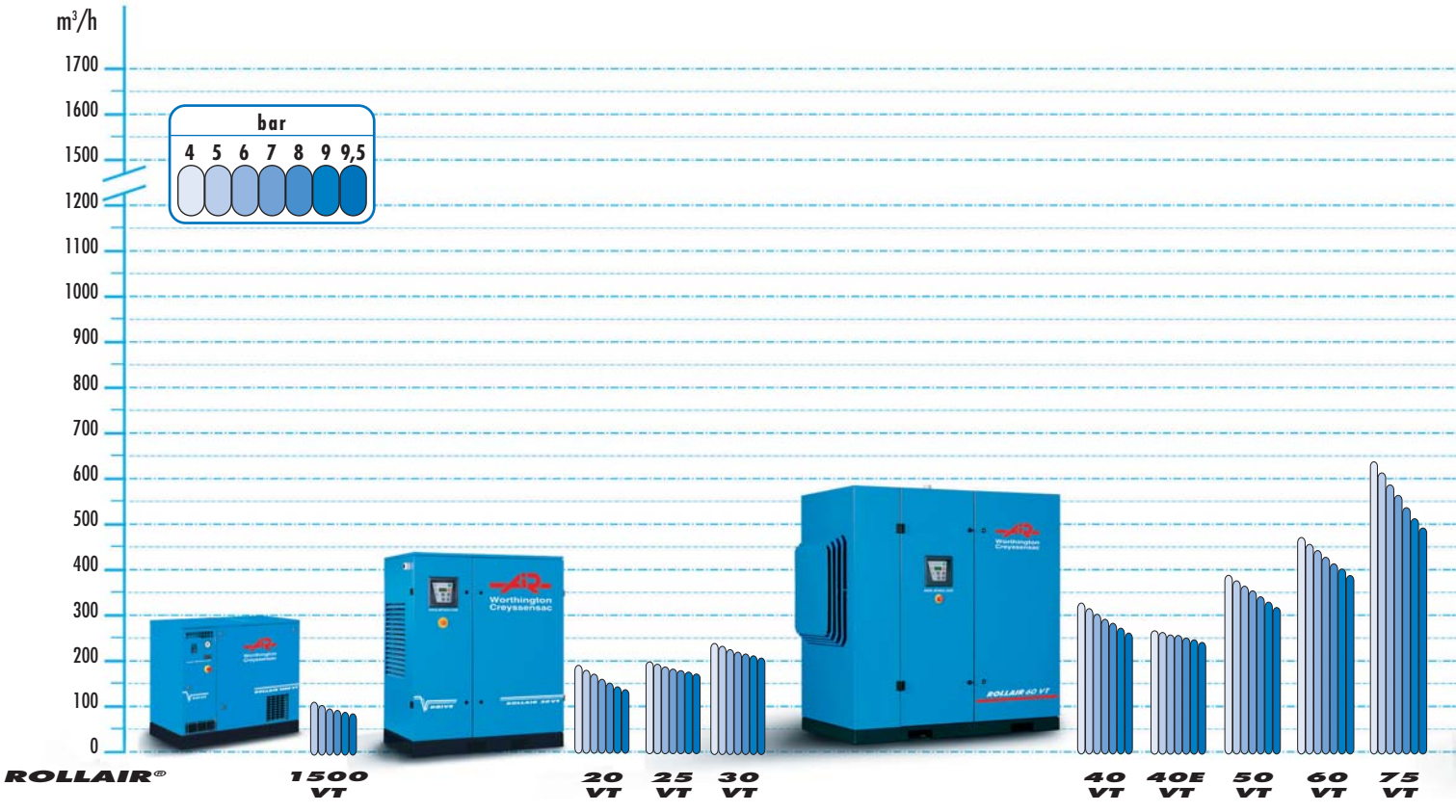
Worthington Creyssensac offers an integrated refrigerated air dryer on its range ROLLAIR® VT from 11 up to 55 kW. This gives the following benefits:

- **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.



Foot print:	m²	0.80	1	1.79
Dimensions	L*l*h	1215*662*1045	1280*780*1555	1810*950*1760

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		FAD mini (7 bar) (1)		FAD maxi (1)																Motor power		Noise level (2)	Ø Output diam.	Weight	
	STD (bar)			4		5		6		7		8		9		9,5		10		11		12		12,5					(3)		
	HP (bar)	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	m³/h	cfm	kW	hp	dB(A)	"	V	VT
RLR 1500V	STD	15,5	9	n.a.	n.a.	103	61	102	60	101	59	101	59	96	56,5	93	54,7	92	54	88	51,7	84	49,4	83	48,8	11	15	61	3/4	271	306
RLR 20 V	STD	43	25	180	97	182	107	176	104	165	95	159	94	150	88	142	84	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	15	20	65	1"	490	550
	HP	32	19	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	134	79	133	78	132	78	132	78	130	77	126	74	121	71	119	70	15	20	64	-	490	550
RLR 25 V	STD	35	21	200	119	203	119	201	118	196	114	192	113	185	109	178	105	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	18,5	25	66	1"	510	570
	HP	34	20	n.a.	n.a.	-	-	-	-	152	90	152	89	151	89	151	89	150	-	147	-	144	-	142	83	18,5	25	65	-	510	570
RLR 30 V	STD	43	25	230	136	235	138	234	138	229	135	224	132	214	126	209	123	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	22	30	67	1"	516	586
	HP	31	18	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	183	108	182	107	181	107	181	107	180	n.a.	179	n.a	177	n.a.	176	103	22	30	66	-	516	576
RLR 40E V	STD	36	21	276	161	275	162	275	162	270	159	263	155	252	148	246	145	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	30	40	68	1"	562	632
	HP	36	21	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	233	138	233	137	232	137	232	137	230	n.a.	226	n.a	221	n.a	219	129	30	40	67	-	562	632
RLR 40 V	STD	79	46	331	195	331	195	331	195	331	195	312	184	293	172	283	167	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	30	40	65	1"1/2	850	950
	HP	76	45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	240	141	239	141	238	140	238	140	236	139	232	137	227	134	225	132	30	40	65	-	-	-
RLR 50 V	STD	79	46	406	239	403	237	401	236	398	234	378	222	357	210	347	204	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	37	50	66	1"1/2	905	1005
	HP	77	45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	284	167	283	167	282	166	281	165	280	165	279	164	277	163	276	162	37	50	66	-	-	-
RLR 60 V	STD	84	49	495	291	489	288	482	284	476	280	452	266	428	252	416	245	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	45	60	67	1"1/2	1010	1110
	HP	78	46	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	350	206	349	205	348	205	348	205	346	204	346	204	344	202	343	202	45	60	67	-	-	-
RLR 75 V	STD	83	49	619	364	607	357	594	350	582	343	556	327	531	312	518	305	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	55	75	70	1"1/2	1165	1265
	HP	81	48	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	484	285	483	284	482	284	481	283	474	279	459	270	444	261	436	257	55	75	70	-	-	-
RLR 80 V	STD	152	89	678	399	666	392	655	385	643	378	606	357	569	335	550	324	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	55	75	65	2"	1480	n.a.
	HP	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	55	75	65	–	-	-
RLR 100 V	STD	145	85	890	524	887	522	883	520	880	518	834	491	789	464	766	451	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	75	100	66	2"	1550	n.a.
	HP	162	95	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	710	418	708	417	706	415	705	415	696	410	679	400	389	661	652	384	75	100	66	-	-	-
RLR 125 V	STD	163	96	1094	644	1056	621	1017	599	979	576	933	549	886	521	863	508	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	90	125	71	2"	1655	n.a.
	HP	144	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	774	455	772	454	770	453	769	453	764	450	753	443	742	437	736	433	90	125	71	2"	-	-
RLR 150 V	STD	202	119	1169	688	1161	683	1152	678	1144	673	1094	644	1044	614	1019	600	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	110	150	74	2"	1860	n.a.
	HP	142	84	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	902	531	900	530	898	528	897	528	895	527	890	524	885	521	883	520	110	150	74	-	-	-
RLR 200 V	STD	272	160	n.a.	-	n.a.	-	1609	947	1592	937	1519	894	1446	851	1409	829	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	150	200	74	3"	3001	-
	HP	126	214	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1332	784	1321	777	1310	771	1304	767	1276	751	1221	719	1165	686	1137	669	150	200	74	3"	-	-
RLR 240 V	STD	276	162	1828	1076	1825	1074	1823	1073	1820	1071	1738	1023	1656	975	1615	950	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	180	240	74	3"	4550	n.a.
	HP	283	167	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1361	801	1355	797	1349	794	1346	792	1341	789	1331	783	1320	777	1315	774	180	240	74	4"	4550	-

(1) As per ISO 1217: 1996 - (2) As per CAGI PNEUROP PN8NTC2 - (3) G-thread and ISO +/- 3 dB(A)
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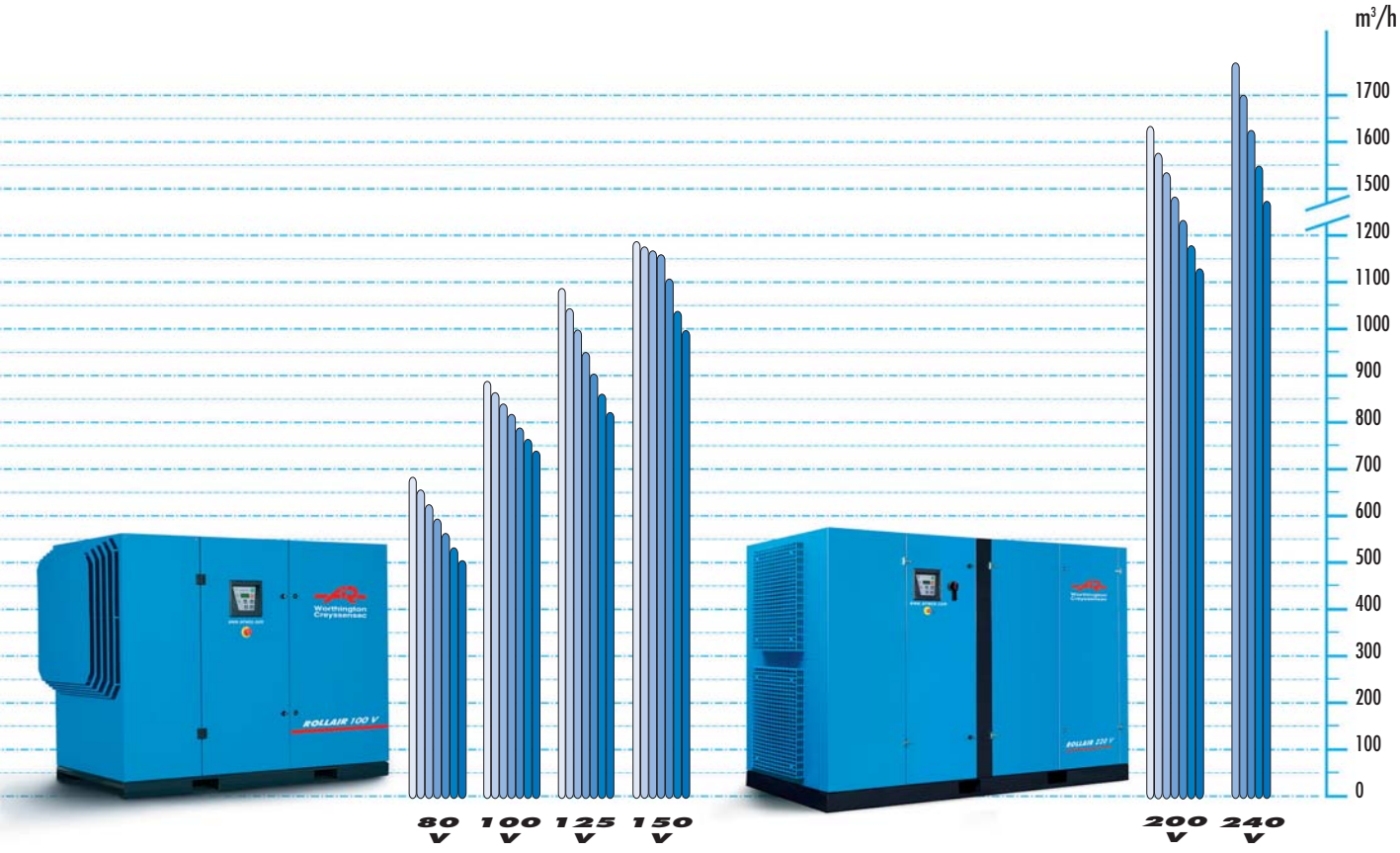

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SHARING OUR VALUES

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 though 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.

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