



INDUSTRIAL DIRECT DRIVEN PISTON COMPRESSORS RL - RH - RK



TECHNOLOGY YOU CAN TRUST

RL - RH - RK

Direct driven solution for industry

Proven technology, solid construction

The RL - RH - RK units are directly driven air-cooled, single or two-stage compressors. In terms of quality, operational safety, service life and operating comfort they provide the standard of the industry.

Versatility

A wide range of products and performance ensure economic solutions for nearly all compressed air needs in the industry. The RL - RH - RK industrial compressors do not only serve as reliable suppliers of compressed air for petrol stations, workshops and factories, but also as individual energy sources for different machines and plants needing compressed air.

- For extreme operating conditions, in professional and industrial applications.
- For sensitive applications in medical and food technology, drinking water supply, etc.
- For extreme operating conditions, proven a thousand times, even at extremely low temperatures.

Design features

PRESSURE LINE

Special finned tubes for optimal heat dissipation.
Higher performance.
Cooler compressed air.
Low wear.

COOLING

Optimum cooling through generously dimensioned, high efficiency and heavy cast iron fan, resulting in low vibration and longer bearing lifetime. The special designed cooling fins on cylinders and pipes ensure low temperatures.

CYLINDERS

Cylinders made of high-quality castings.
Honed in two steps. Extremely long service life.

LOW SPEED

High quality electric motors.
Designed for industrial continuous operation (approx. 1400 rpm).
Overdimensioned.
Trouble-free operation.



VALVE PLATE

Valves made of high-quality steel. High efficiency.
Minimum flow losses. Especially long service life through reduced stroke.

PRESSURE REGULATION

Fully equipped. Pressure switches, high quality (filter) pressure regulators, safety valve, motor protection, MARK quick coupling, unloaded start.

PRESSURE RANGE

All pressures up to 15 bar are covered, for different requirements.

SPARE PARTS

Spare parts supply guaranteed. We guarantee delivery of all spare parts for any compressor for a minimum of 10 years after production stop.

POWERPACKS

Powerpack configurations: compressor with motor

- Direct driven: compact greater efficiency, no belt maintenance or losses, perfect alignment.
- Oil lubricated and oil free models.
- Single stage and two-stage configurations.
- Proven industrial design.
- Powerpack available on compressor block. Powerpack with electric motors.
- Complete unit on air receiver.

TECHNICAL DATA

Type	Pressure bar(g)	psi(g)	Free Air Delivery l/min		HP	kW	Supply	cylinders	stages	rpm	Noise level dB(A) standard silenced		L (mm)	W (mm)	H (mm)	Kg
Single stage - 10 bar units																
RL 20-10	10	145	185	11,1	2	1,5	M	1	1	1400	76	65	505	270	385	29
RL 20-10	10	145	185	11,1	2	1,5	T	1	1	1400	76	65	505	270	385	29
RL 30-10	10	145	302	18,1	3	2,2	M	2	1	1400	77	66	570	440	340	47
RL 30-10	10	145	302	18,1	3	2,2	T	2	1	1400	77	66	570	440	340	47
RL 40-10	10	145	410	24,6	4	3	T	2	1	1400	77	67	570	440	340	50
Two-stage - 10 bar units																
RH 20-10	10	145	210	12,6	2	1,5	T	2	2	1400	74	61	580	425	340	45
RH 40-10	10	145	446	26,8	4	3	T	2	2	1400	79	67	600	500	435	69
RH 55-10	10	145	600	36,0	5,5	4	T	2	2	1400	79	68	620	500	440	73
Two-stage - 15 bar units																
RH 20-15	15	218	196	11,8	2	1,5	T	2	2	1400	74	61	580	425	340	45
RH 40-15	15	218	389	23,3	4	3	T	2	2	1400	79	67	600	500	435	69
RH 55-15	15	218	510	30,6	5,5	4	T	2	2	1400	79	67	700	520	440	78
Two-stage - Oil free units																
RK 15-7	7	102	144	8,6	1,5	1,1	T	1	1	1400	75	62	505	270	385	28
RK 20-10	10	145	205	12,3	2	1,5	T	2	2	1400	74	61	580	425	340	45
RK 40-10	10	145	441	26,5	4	3	T	2	2	1400	79	67	600	500	435	68
RK 55-10	10	145	568	34,1	5,5	4	T	2	2	1400	79	67	700	520	440	77

M = 230/1/50, T = 400/3/50. Effective output measured as per ISO 1217 at 8bar(g) for 10 bar units, 12 bar(g) for 15 bar units. Subject to change without notice.

RL – RH – RK industrial compressors are robust, economical and designed for long lifetime. RH and RK two-stage compressors have interstage cooling to ensure higher efficiency and lower operating temperatures.



Single stage blocks:

- Oil lubricated: RL
- Oil free: RK 15

Two-stage blocks:

- Oil lubricated: RH
- Oil free: RK (except RK 15)

Range description

Block	pressure	vessel		powerpack	silenced	dryer	Voltage	mobil
		(power hp)	(bar)					
RL/RH/RK	-	(power hp)	(bar)	(L)	V	S	T	MOBIL
lub 1 st lub 2 st oil free	pressure bar	power hp	vessel litres	power pack	with canopy	with dryer	voltage	mobile unit

Base mounted – Horizontal tank mounted units

Compressor unit on base plate

- Used for feeding compressed air tanks in existing stations.
- Complete with a flexible connecting hose, check valve, motor overload protection, rubber pads.
- Options: pressure switch, heavy duty air inlet filter (RH - RK).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Availability	X	X	X		X	X	X	X	X	X	X	X	X	X	X

Compressor on horizontal tank

- Easy to install, ready to run, mounted on a horizontal tank.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Heavy duty air inlet filter (RH - RK).
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X						X	X		
50L	X	X	X		X	X						X	X		
90L	X	X	X		X	X			X			X	X		
270L			X		X	X	X	X	X	X	X		X	X	X
500L							X	X		X	X			X	X

Duplex compressor units on horizontal tank

- Space-saving and in case of fluctuating air requirement.
- Possibility to cover basic load by one compressor, the second one delivering peak demands.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X	X	X		X	X	X	
300L							X	X						X	X
500L							X	X		X	X			X	X

Silenced units

Compressor unit on base plate, with silencing hood

- Same as unit on base plate, but delivered with a silencing hood if a quiet compressor is required.
- Delivered with a flexible connecting hose, check valve, motor overload, rubber pads.
- Options: pressure switch, heavy duty air inlet filter (RH - RK).



Range	Single-stage 10 bar				Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free				
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Availability	X	X	X		X	X	X	X	X	X	X	X	X	X	X

Compressor unit on horizontal tank, with silencing hood

- Identical to unit on tank, but delivered with a silencing hood.
- Options:
 - Vibration dampers.
 - Electronic condensate drain.
 - Heavy duty air inlet filter (RH - RK).
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar				Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free				
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X										X			
50L	X	X										X			
90L	X	X	X		X	X						X	X		
270L			X		X	X	X	X	X	X	X		X	X	X
500L							X	X		X	X			X	X

Duplex compressor units on horizontal tank, with silencing hood

- Identical to model with 2 compressors a horizontal tank, but delivered with a silencing hood.
- Options:
 - Vibration dampers.
 - Electronic condensate drain.
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar				Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free				
	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X	X	X	X	X	X	X	X
300L	X	X	X		X	X	X	X	X	X	X	X	X	X	X
500L							X	X		X	X			X	X

Vertical tank mounted - Units with dryer

Compressor unit on vertical tank

- Easy to install, ready to run.
- Space saving solution a vertical 270 litre tank.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
Type	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
270L			X		X	X	X	X	X	X	X		X	X	X

Compressor unit on vertical tank, with refrigerant air dryer

- Identical unit on vertical tank, equipped with a refrigerant air dryer.
- Space saving vertical 270 litre tank.
- Delivers dry, condensate-free compressed air.
- All in one unit, fully connected.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
Type	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
270L			X		X	X	X	X	X	X	X		X	X	X

Compressor unit on horizontal tank, with silencing hood and air dryer

- Unit with horizontal tanks canopy and refrigerant dryer.
- Options:
 - Vibration dampers.
 - Electronic condensate drain.
 - Heavy duty air inlet filter (RH - RK).
 - Galvanized vessel (standard for RK oil free units).



Range	Single-stage 10 bar					Two-stage 10 bar			Two-stage 15 bar			Two-stage oil free			
Type	RL 20		RL 30		RL 40	RH 20	RH 40	RH 55	RH 20	RH 40	RH 55	RK 15	RK 20	RK 40	RK 55
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400
270L							X	X		X	X			X	X

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According to



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