



**HR04 - HR07  
REGENERATION**  
**NEW**  
Rotary vane air compressors

**hydrovane**

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**Gardner  
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Your Ultimate Source for Vacuum and Pressure

**hydrovane**



# hydrovane REGENERATION

## INTRODUCING HYDROVANE HR04 HR05 & HR07 NEW ROTARY VANE COMPRESSORS

Hydrovane rotary sliding vane compressors are reliable, versatile and cost effective.

In 2003 Hydrovane launched a radically different product, the HV range of vertically configured compressors with unrivalled footprint, serviceability and integrated package configurations. But now it's time for something new.

Constant improvements in technology and ever increasing demands for energy saving features mean things have to change. Our engineers challenged themselves to do something better. Retain the features which make Hydrovane a great product, admired by thousands of owners worldwide, but take it forward.

### HYDROVANE'S SOLUTION

The Hydrovane **HR Series** of rotary vane compressors; unmistakably Hydrovane but one hundred percent new. It's not so much evolution, but **REGENERATION**

The Hydrovane Regeneration HR Series is reassuringly familiar on the outside with significant changes on the inside. **We invite you to Enquire Within.**

### HYDROVANE REGENERATION NEW HR E, ENCLOSED RANGE:

- Full range of enclosed packaged compressors from 4-7kw.
- Direct drive "spider" coupling. No belts, no gears, no transfer losses.
- Hypac options with receivers, dryers and inline filtration. Featuring the latest FHS series of refrigerant dryers PLUS filters and new, small footprint, compact receivers.
- **New energy saving features:**
- SMART SERVO energy reduction system.
- New highest efficiency IE3 motors as standard. Available now.
- NEW rotor stator unit. Increased flow and lower power.
- Mitsubishi inverter drive for smoother transfer and quicker response.
- REVS reduced energy venting system for lower off-load power consumption.
- Star Delta starters across the range.
- All in all, the most efficient 4-7kw Hydrovane compressor yet, with record specific performance figures.



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## NEW HR P OPEN RANGE 5.5KW AND 7.5KW

Regeneration extends to the entry level open compressor. Hydrovane introduces entirely new 5.5kw and 7.5kw open receiver mounted packages. Retaining the horizontal format but utilising the same efficient HR compressor design. It's an ideal solution where a fully enclosed unit isn't required.

- Pro-controller as standard
- REVS reduced energy venting system ensuring compressor cannot start when pressurised
- Common compressor design with the same easy-change spin-on oil filter and separator, reducing maintenance time
- Common IE3 highest efficiency motor
- Extended warranties are now available on these models

### NEW HR OEM AIRENDS

Hydrovane HR compressor technology is simple, robust and reliable. It's versatility makes it the first choice for a wide range of OEM applications and manufacturers. Snow blowing, railway and tram systems, hybrid buses, oil and gas, agricultural machinery to name but a few.

- Direct drive, allows direct coupling to electric motors, hydraulic motors, petrol and diesel engines and PTO drives.
- Compact design and light weight for ease of installation
- Spin on filtration for easy maintenance. Better than 3ppm air quality
- Simple white metal bushes for long airend life
- HR airends suitable for vertical or horizontal mounting
- Integral oil coolers

And if extra features are required for specific applications, Hydrovane can offer modifications to standard products. We call this **Standard Plus**

### ADVANCE WARRANTY

HR package compressors are available with the same market leading ADVANCE 10 extended warranty package.

### HR07 HYPAC



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## HYDROVANE HR04 / HR05 / HR07 TECHNICAL DATA 400v 3 PHASE 50hz

MODEL	BAR	CONFIGURATION	MAXIMUM FAD					
			7 bar			10 bar		
			m³/m	lit/sec	cfm	m³/m	lit/sec	cfm
<b>ENCLOSED 4KW</b>								
HR04E	7	ENCLOSED	0.68	11.42	24.20	-	-	-
HR04E	10	ENCLOSED	-	-	-	0.57	9.50	20.10
			HYPAC					
HR04ED	7	DRYER	0.68	11.42	24.20	-	-	-
HR04ER	7	RECEIVER	0.68	11.42	24.20	-	-	-
HR04ERD	7	DRYER + RECEIVER	0.68	11.42	24.20	-	-	-
HR04ED	10	DRYER	-	-	-	0.57	9.50	20.10
HR04ER	10	RECEIVER	-	-	-	0.57	9.50	20.10
HR04ERD	10	DRYER + RECEIVER	-	-	-	0.57	9.50	20.10
<b>ENCLOSED 5.5KW</b>								
HR05E	7	ENCLOSED	0.92	15.35	32.52	-	-	-
HR05E	10	ENCLOSED	-	-	-	0.77	12.75	27.02
			HYPAC					
HR05ED	7	DRYER	0.92	15.35	32.52	-	-	-
HR05ER	7	RECEIVER	0.92	15.35	32.52	-	-	-
HR05ERD	7	DRYER + RECEIVER	0.92	15.35	32.52	-	-	-
HR05ED	10	DRYER	-	-	-	0.77	12.75	27.02
HR05ER	10	RECEIVER	-	-	-	0.77	12.75	27.02
HR05ERD	10	DRYER + RECEIVER	-	-	-	0.77	12.75	27.02
<b>ENCLOSED 7.5KW</b>								
HR07E	7	ENCLOSED	1.27	21.23	45.00	-	-	-
HR07E	10	ENCLOSED	-	-	-	1.04	17.34	36.75
			HYPAC					
HR07ED	7	DRYER	1.27	21.23	45.00	-	-	-
HR07ER	7	RECEIVER	1.27	21.23	45.00	-	-	-
HR07ERD	7	DRYER + RECEIVER	1.27	21.23	45.00	-	-	-
HR07ED	10	DRYER	-	-	-	1.04	17.34	36.75
HR07ER	10	RECEIVER	-	-	-	1.04	17.34	36.75
HR07ERD	10	DRYER + RECEIVER	-	-	-	1.04	17.34	36.75
<b>ENCLOSED REGULATED SPEED 7.5KW</b>								
HR07E RS	10	ENCLOSED	1.13	18.87	40.00	0.97	16.17	34.26
			HYPAC					
HR07ED RS	10	DRYER	1.13	18.87	40.00	0.97	16.17	34.26
HR07ER RS	10	RECEIVER	1.13	18.87	40.00	0.97	16.17	34.26
HR07ERD RS	10	DRYER + RECEIVER	1.13	18.87	40.00	0.97	16.17	34.26
<b>OPEN RECEIVER MOUNTED 5.5KW AND 7.5KW</b>								
HR05PR 07	7	OPEN+ RECEIVER	0.92	15.35	32.52	-	-	-
HR05PR 10	10	OPEN+ RECEIVER	-	-	-	0.77	12.75	27.02
HR07PR 07	7	OPEN+ RECEIVER	1.27	21.10	44.70	-	-	-
HR07PR 10	10	OPEN+ RECEIVER	-	-	-	1.04	17.46	37.00

MODEL	RECEIVER CAPACITY	OIL (Litres)	AIR OUTLET	DIMENSIONS mm			NOISE dB(A)	(Kg)
				Depth	Length	Height		
<b>ENCLOSED</b>								
HR E	-	3.3	G3/4	685	630	1078	67	220
HR ED	-	3.3	RP1/2	968	630	1078	67	240
HR ER	260	3.3	G3/4	685	1146	1675	67	340
HR ERD	260	3.3	G3/4	968	1146	1675	67	360
<b>OPEN RECEIVER MOUNTED</b>								
HR05PR	200	3.3	RP1/2	760	1332	1068	73	215
HR07PR	200	3.3	RP1/2	760	1332	1068	73	215