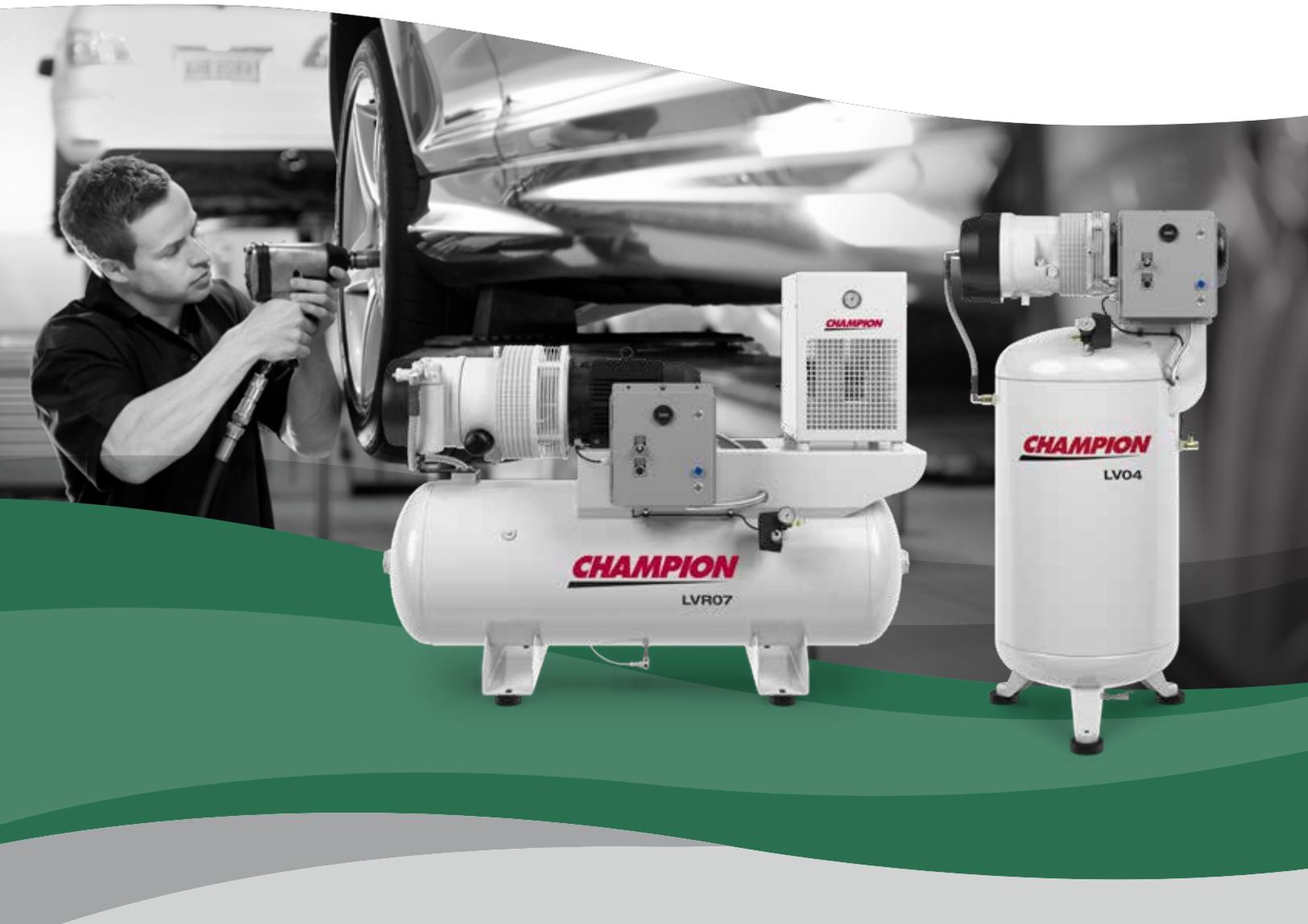


**CHAMPION**

LV/LVR 01-11 (2-15 HP) | FIXED SPEED ROTARY VANE COMPRESSORS

# LV/LVR Series



# The **Vane** Advantage

## Slow Speed Reliability

- 1760 rpm direct drive (60 Hz)
- 5-15 hp

## Configuration Flexibility

- Airend only
- Compressor and TEFC motor combination
- Tank mounted (simplex/duplex)
- hypac total systems (compressor + tank + dryer)

## Low Noise

- As low as 65 dBA

## Simple Start/Stop Controls

- Hour meter and test off auto-switch included
- No microprocessor

## Easy-to-Service

- Minimized consumable parts
- Large oil capacity & generously-sized filtration provide extended service intervals
- Spin-on/off oil filter & separator
- Easy-access air filter
- Less than 3 ppm oil carryover

## Efficient Air Generation

- Cost effective compressor
- Low energy costs

## Ideal for 100% Duty Cycle Applications

## Backed by Industry-Leading Warranty

- Standard 2-year warranty
- Industry-leading Platinum 10-year Warranty available

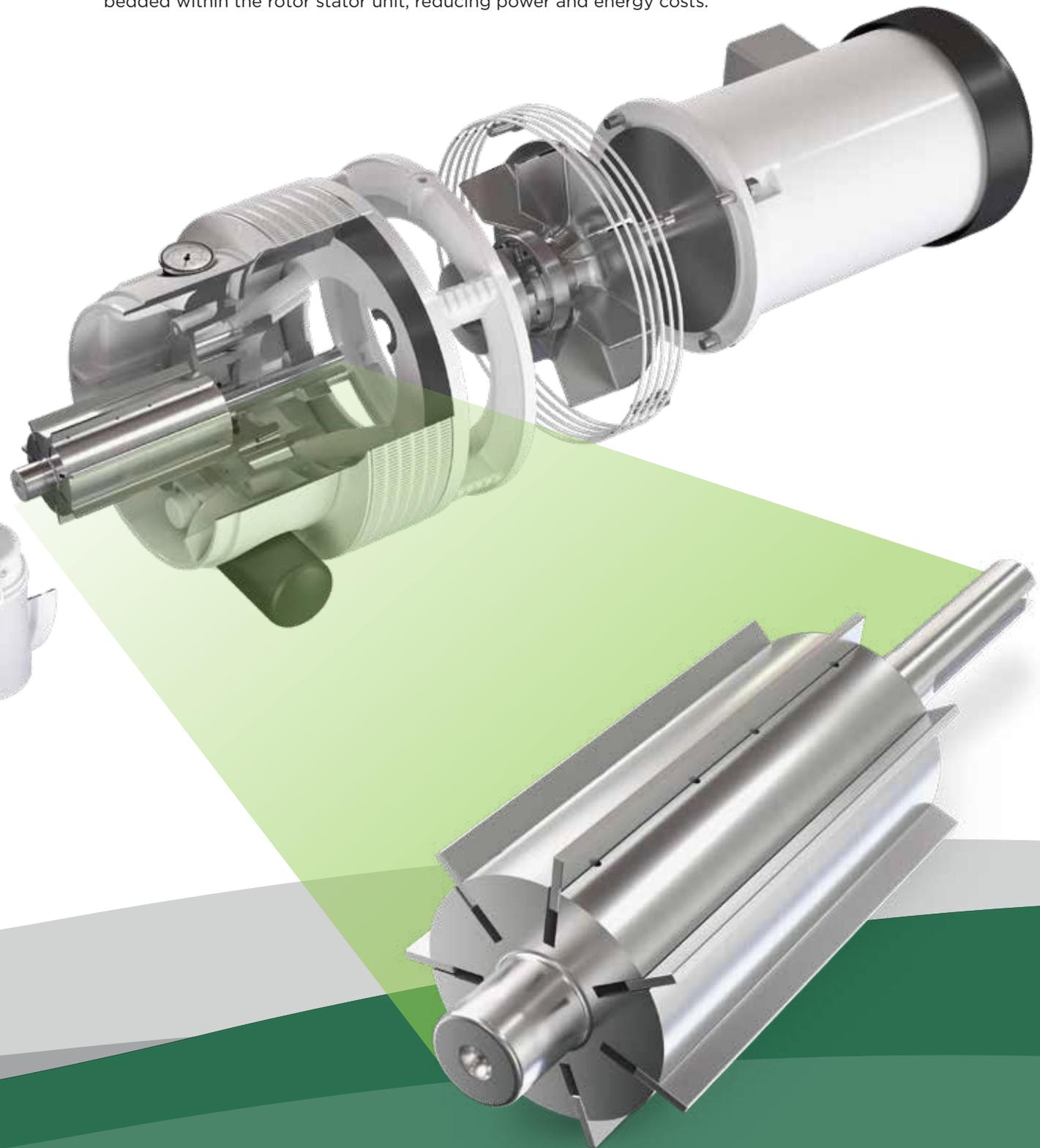
## Long Life & Reliability

- Fewer moving parts
- Allowing up to 100,000+ operating hours with no expensive airend change or refurbishment



## OUR COMPRESSOR TECHNOLOGY WEARS IN—NOT OUT!

The performance of a rotary vane improves over time once parts are bedded within the rotor stator unit, reducing power and energy costs.



# Configuration **Flexibility**

The LV and LVR Series compressors are engineered to meet the most stringent of specifications. Their compact, simple, robust and integrated design allows them to be fitted anywhere undercover. These units are available in airend only, compressor plus motor, tank mounted (simplex/duplex), or hypac configurations (airend, motor, tank and dryer). They are easy to install and maintain as well as extremely quiet. They are designed for a wide variety of applications including automobile, body shops, wood working, dentistry, laundry, packaging and machine tools.

## hypac

- 5-15 hp
- Tank-mounted compressor & motor with refrigerated dryer
- The total system solution
- 100-150 psi
- Up to 50.2 cfm



hypac

## Airend or Compressor/Motor

- 5-10 hp
- Compressor and/or TEFC motor
- 100-150 psi
- Up to 36.4 cfm

## Tripod

- 2 hp
- Compressor & TEFC motor on tripod stand
- 100-150 psi
- Up to 6.3 cfm

## Simplex

- 5-15 hp
- Tank-mounted compressor & TEFC motor
- 100-150 psi
- Up to 36.4 cfm



Duplex

## Duplex

- 5-10 hp
- 2 compressors/motors & tank
- Lead/Lag system evenly distributes load between compressors
- 100-150 psig
- Up to 72.8 cfm



Airend/Motor

Tripod

Simplex

# Performance Data

## V/VR SERIES: SIMPLEX\*

HP	KW	MODEL	VOLTAGE/PHASE	PSIG	MOUNTING CONFIG	TANK STYLE	TANK CAP. GAL	CFM @ 100 PSIG	CFM @ 150 PSIG	NOISE LEVEL DBA	AIR OUTLET NPT	OIL CAP. GAL	DIMENSIONS IN INCHES		
													L	W	H
2	1	LV01PUTS	115/208-230 1 Ph 208-230/460 3 Ph	100/150	Tripod	N/A	N/A	6.3	4.5	65	.50"	0.3	28.6	18.5	10.6
5	4	LV04PURVS-8	208-230 1 Ph 208-230/460/575 3 Ph	100/150	Tank	Vert.	80	19.5	16	72	.50"	0.5	36.9	27.1	65.3
		LV04PURHS-8	208-230 1 Ph 208-230/460/575 3 Ph	100/150	Tank	Horiz.	80	19.5	16	72	.50"	0.5	67.1	25.0	39.1
		LV04 hypac	208-230 1 Ph 208-230/460/575 3 Ph	100/150	hypac	Horiz.	80	19.5 N/A	N/A 16	72	.50"	0.5	65.1	31.4	51.4 49.2
				100/150	hypac	Horiz.	120	19.5 N/A	N/A 16	72	.50"	0.5	69.5	31.4	56.1 53.7
				100/150	hypac	Horiz.	240	19.5 N/A	N/A 16	72	.50"	0.5	86.1	32.9	63.0 60.5
		7.5	5	LVR05PURVS-8	208-230 1 Ph 208-230/460/575 3 Ph	100/150	Tank	Vert.	80	26.3	22.2	74	.75"	1	37.3
LVR05PURHS-8	208-230 1 Ph 208-230/460/575 3 Ph			100/150	Tank	Horiz.	80	26.3	22.2	74	.75"	1	67.1	25.0	41.1
LVR05PURHS-12	208-230 1 Ph 208-230/460/575 3 Ph			100/150	Tank	Horiz.	120	26.3	22.2	74	.75"	1	71.5	27.3	46.6
LVR05 hypac	208-230 1 Ph 208-230/460/575 3 Ph			100/150	hypac	Horiz.	80	26.3 N/A	N/A 22.2	74	.75"	1	65.1 65.1	31.5 31.5	51.4 49.2
				100/150	hypac	Horiz.	120	26.3 N/A	N/A 22.2	74	.75"	1	69.5 69.5	31.4 31.4	55.9 53.7
				100/150	hypac	Horiz.	240	26.3 N/A	N/A 22.2	74	.75"	1	86.1 86.1	33.8 33.8	62.8 60.5
10	7	LVR07PURHS-8	208-230/460/575 3 Ph	100/150	Tank	Horiz.	80	36.4	28.7	74	.75"	1	67.1	25.0	41.1
		LVR07PURHS-12	208-230/460/575 3 Ph	100/150	Tank	Horiz.	120	36.4	28.7	74	.75"	1	71.5	27.3	46.6
		LVR07 hypac	208-230/460/575 3 Ph	100/150	hypac	Horiz.	80	36.4 N/A	N/A 28.7	74	.75"	1	65.1 65.1	31.5 31.5	62.7 49.2
				100/150	hypac	Horiz.	120	36.4 N/A	N/A 28.7	74	.75"	1	69.5 69.5	31.4 31.4	68.7 53.7
				100/150	hypac	Horiz.	240	36.4 N/A	N/A 28.7	74	.75"	1	86.1 86.1	33.8 33.8	75.5 60.5
		15	11	LV11 hypac	208-230/460/575 3 Ph	100/150	hypac	Horiz.	120 240	50.2	47.6	76	.75"	1.5	69.5 86.1

## V/VR SERIES: DUPLEX\*

HP	KW	MODEL	VOLTAGE/PHASE	PSIG	MOUNTING CONFIG	TANK STYLE	TANK CAP. GAL	CFM @ 100 PSIG	CFM @ 150 PSIG	NOISE LEVEL DBA	AIR OUTLET NPT	OIL CAP. GAL	DIMENSIONS IN INCHES		
													L	W	H
5	4	LV04PDRHS-12	208-230 1 Ph 208-230/460/575 3 Ph	100/150	Tank	Horiz.	120	39	32	72	.50"	1	76.0	27.4	48.0
7.5	5	LVR05PDRHS-12	208-230 1 Ph 208-230/460/575 3 Ph	100/150	Tank	Horiz.	120	52.6	44.4	74	.75"	1	76.1	32.0	49.8
10	7	LVR07PDRHS-12	208-230/460/575 3 Ph	100/150	Tank	Horiz.	120	72.8	57.4	74	.75"	1	76.1	32.0	49.8

\*All of the above models (V/VR) include a starter.

# Rotary Vane Product Offering

LV/LVR SERIES AIRENDS & COMPRESSORS/MOTORS



LV/LVR SERIES TRIPOD



LV/LVR SERIES TANK-MOUNTED SIMPLEX



LV/LVR SERIES HYPAC



LV/LVR SERIES TANK-MOUNTED DUPLEX



LV/LVR SERIES (UNENCLOSED)



HV/HR SERIES (ENCLOSED)



HP	2	5	7.5	10	15	20	25	30	40	50	60
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Champion is committed to  
delivering **superior products** built with  
the **exceptional standards** you expect.

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1301 North Euclid Avenue  
Princeton, Illinois 61356 USA  
866-276-4330  
[www.ChampionPneumatic.com](http://www.ChampionPneumatic.com)

