

ROTARY VANE AIR

ROTARY VANE AIR COMPRESSORS

- Exceptional reliability
- 2 year standard warranty
- Sophisticated simple design
- High quality air
- No gears
- Low noise levels
- No belts
- Direct drive





ROTARY VANE AIR COMPRESSORS

At a glance...

 **Nominal Pressure**
10 bar

 **Voltage**
50 / 60Hz

 **Volume Flow**
0.1 - 0.6 m³/min



The right compressor for your business

Reliable by Design

Direct drive

No gears. No belts. Up to 100,000+ operating hours due to its simple integral design.

High quality air

Clean, dry and pulse free straight from the outlet means less downstream equipment required.

Slow speed

1450 – 2850 rpm speed operation results in low noise, low stresses and long life.

Common replacement parts

Quick, cost-effective servicing, with minimal downtime.

Guaranteed

2 years standard warranty is now available for total peace of mind on all Champion Vane models.

High quality starter

A high quality starter with robust control circuit, including over-temperature protection.



Champion Vanes can be combined with membrane dryers and aftercooler kits. (Both solutions are offered as retrofit kits or factory fitted).

The membrane dryer kits integrate perfectly with Champion vanes to provide a compact and efficient air drying and filtration solution. The Dryer kits include: Membrane dryer, after cooler, manual water drain, tap, 0.1 micron & 0.01 micron filters.

The after cooler kits are designed to efficiently cool the outlet air and to reduce moisture. The after cooler kits also include a manual drain tap.

Rotary Vane Air Compressors

Design: Open - fixed speed

Pressure Range: 10 bar

Electric motor: 1.1 - 4kW

CODE	MODEL	VOLTAGE	PHASE	COMPRESSED AIR OUTPUT		MAX. WORKING PRESSURE		MOTOR POWER	NOISE LEVEL	DIMENSIONS L x W x H	WEIGHT	AIR OUTLET SIZE
				[m ³ / min]	[CFM]	[bar (g)]	[psi (g)]					
501PUTS10-4035D40C	CMPV01 Tripod	400V / 50Hz	3	0.12	4.2	10	145	1.1	62	700 x 270 x 470	41	3/8" F-BSP
501PUTS10-2415D40C	CMPV01 Tripod	230V / 50Hz	1	0.12	4.2	10	145	1.1	62	700 x 270 x 470	41	3/8" F-BSP
501PURS10-4035D40C	CMPV01 RM on a 75 Ltr Tank	400V / 50Hz	3	0.12	4.2	10	145	1.1	62	1,120 x 300 x 730	77	3/8" F-BSP
501PURS10-2415D40C	CMPV01 RM on a 75 Ltr Tank	230V / 50Hz	1	0.12	4.2	10	145	1.1	62	1,120 x 300 x 730	77	3/8" F-BSP
502PUTS10-4035D40C	CMPV02 Tripod	400V / 50Hz	3	0.23	8.1	10	145	2.2	69	700 x 270 x 470	41	3/8" F-BSP
502PUTS10-2415D40C	CMPV02 Tripod	230V / 50Hz	1	0.23	8.1	10	145	2.2	69	700 x 270 x 470	41	3/8" F-BSP
502PURS10-4035D40C	CMPV02 RM on a 75 Ltr Tank	400V / 50Hz	3	0.23	8.1	10	145	2.2	69	1,120 x 300 x 730	77	3/8" F-BSP
502PURS10-2415D40C	CMPV02 RM on a 75 Ltr Tank	230V / 50Hz	1	0.23	8.1	10	145	2.2	69	1,120 x 300 x 730	77	3/8" F-BSP
504PURS10-4035D20C	CMPV04 RM on a 200 Ltr Tank	400V / 50Hz	3	0.57	20.1	10	145	4	73	1,410 x 455 x 990	145	1/2" F-BSP
HR05PR07-4035S10C	CMPR05 PR 07 SDS	400V / 50Hz	3	0.92	32.5	7	145	5.5	73	1332 x 568 x 1085	215	1/2" F-BSP
HR05PR10-4035S10C	CMPR05 PR 10 SDS	400V / 50Hz	3	0.77	27	10	145	5.5	73	1332 x 568 x 1085	215	1/2" F-BSP
HR07PR07-4035S10C	CMPR07 PR 07 SDS	400V / 50Hz	3	1.27	44.7	7	145	7.5	73	1332 x 568 x 1085	215	1/2" F-BSP
HR07PR10-4035S10C	CMPR07 PR 10 SDS	400V / 50Hz	3	1.05	37	10	145	7.5	73	1332 x 568 x 1085	215	1/2" F-BSP

AFTER COOLERS AND DRYERS FOR CHAMPION VANES

CODE	DESCRIPTION
ACA-501BD-PC	Aftercooler & dryer kit for 501PURS
ACA-502BD-PC	Aftercooler & dryer kit for 502PURS
ACA-504BD-300C	Aftercooler & dryer kit for 504PURS
ACA-5-BC	Aftercooler kit for 501PURS/502PURS
ACA-504-WEGC	Aftercooler kit for 504PURS

SERVICE KITS	DESCRIPTION
C-AK0102	Annual service kit for CMPV01 / CMPV02
C-AK04	Annual service kit for CMPV04
C-OK0102	Maintenance kit for every 20000 hours or 5 years for CMPV01 / CMPV02
C-OK04	Maintenance kit for every 20000 hours or 5 years for CMPV04
CC1180033	ChampLube Vane lubricant 1 Ltr* (Box of 20 Available CC1180033-BOX)
C-MK0507	Service Kit for every 2000h CMPR05 / CMPR07
C-SK0507	Service Kit for every 4000h CMPR05 / CMPR07
C-OK0507	Overhaul Service Kit CMPR05 / CMPR07

* for CMPV04 2 litres needed. * Service intervals are defined by calendar months or operating hours, whichever occurs first. In dirty ambient conditions service interval must be halved.