

# TYR WT 0100-0730 CV/CP

Rotary lobe blowers



VACUUM SOLUTIONS



## Efficient

Effective compression and gas transport, flow-optimized blower stages, low energy consumption, minimized operating costs, minimal maintenance

## Quiet

Innovative acoustic insulation concept, integrated inlet and outlet silencers

## Robust

Durable construction, contact-free operating principle, fixed bearings on drive side for perfect belt alignment, variable speed gearing

### Accessories

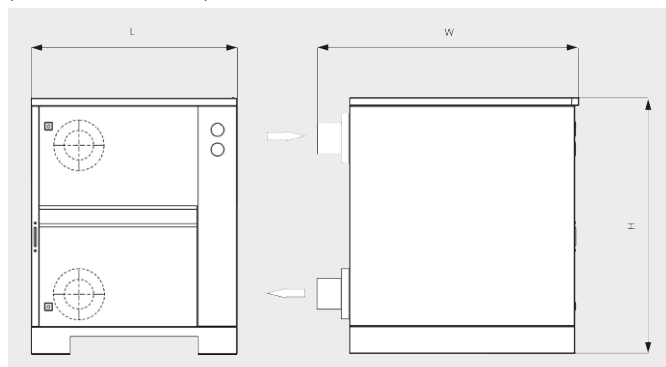
- Oil filler unit
- Non-return valve
- Vacuum regulating valve (for vacuum version)
- Rubber and stainless steel expansion joints
- Electronic filter monitoring
- Temperature monitoring device
- Oil temperature sensors
- Nickel coating of stage
- V-belt guard for versions with acoustic enclosure
- Start-up relief valve
- High-performance filter for media with elevated dust content (for vacuum version)
- Resonant pulsation silencer
- Water cooling system (water-air or water-water)
- C 4 corrosion protection version
- Acoustic enclosure (optionally with all-weather finish for outdoor applications)
- Pulsation silencer without absorption material
- Speed control unit

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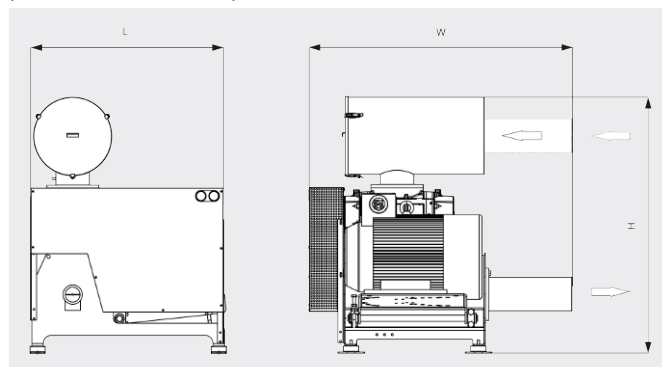
Rotary lobe blowers



Dimensional drawing  
(with acoustic enclosure)



Dimensional drawing  
(without acoustic enclosure)



	TYR WT 0100 CV	TYR WT 0150 CV	TYRWT 0280 CV	TYR WT 0390 CV
<b>Volume flow</b>	2.5 – 10.0 m <sup>3</sup> /min	3.7 – 15.0 m <sup>3</sup> /min	5.1 – 28.0 m <sup>3</sup> /min	7.1 – 39.0 m <sup>3</sup> /min
<b>Max. differential pressure</b>	-500 hPa (mbar)	-500 hPa (mbar)	-500 hPa (mbar)	-500 hPa (mbar)
<b>Nominal motor rating</b>	1.5 – 22.0 kW	3.0 – 37.0 kW	3.0 – 55.0 kW	3.0 – 55.0 kW
<b>Blower speed</b>	1150 – 4700 min <sup>-1</sup>	1150 – 4700 min <sup>-1</sup>	850 – 4700 min <sup>-1</sup>	850 – 4700 min <sup>-1</sup>
<b>Weight approx. (without/with acoustic enclosure)</b>	180 / 295 kg	197 / 312 kg	346/ 535 kg	372 / 561 kg
<b>Dimensions (L x W x H) (without/with acoustic enclosure)</b>	690 x 1080 x 1028 / 800 x 1157 x 1082 mm	690 x 1080 x 1028 / 800 x 1157 x 1082 mm	920 x 1218 x 1251 / 1050 x 1269 x 1302 mm	920 x 1218 x 1251 / 1050 x 1269 x 1302 mm
<b>Gas inlet / outlet</b>	Ø 114 mm	Ø 114 mm	Ø 159 mm	Ø 159 mm

	TYR WT 0600 CV	TYR WT 0730 CV
<b>Volume flow</b>	12.0 – 60.0 m <sup>3</sup> /min	15.4 – 73.0 m <sup>3</sup> /min
<b>Max. differential pressure</b>	-500 hPa (mbar)	-500 hPa (mbar)
<b>Nominal motor rating</b>	11.0 – 90.0 kW	11.0 – 90.0 kW
<b>Blower speed</b>	750 – 4050 min <sup>-1</sup>	750 – 3550 min <sup>-1</sup>
<b>Weight approx. (without/with acoustic enclosure)</b>	711 / 1014 kg	750 / 1053 kg
<b>Dimensions (L x W x H) (without/with acoustic enclosure)</b>	1250 x 1705 x 1660 / 1450 x 1760 x 1732 mm	1250 x 1705 x 1660 / 1450 x 1760 x 1732 mm
<b>Gas inlet / outlet</b>	Ø 219 mm	Ø 219 mm

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Max. differential pressure	+1000 hPa (mbar)	+1000 hPa (mbar)	+1000 hPa (mbar)	+1000 hPa (mbar)
Nominal motor rating	1.5 – 22.0 kW	3.0 – 37.0 kW	3.0 – 55.0 kW	3.0 – 55.0 kW
Blower speed	1150 – 4700 min <sup>-1</sup>	1150 – 4700 min <sup>-1</sup>	850 – 4700 min <sup>-1</sup>	850 – 4700 min <sup>-1</sup>
Weight approx. (without/with acoustic enclosure)	180 / 295 kg	197 / 312 kg	346 / 535 kg	372 / 561 kg
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