

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

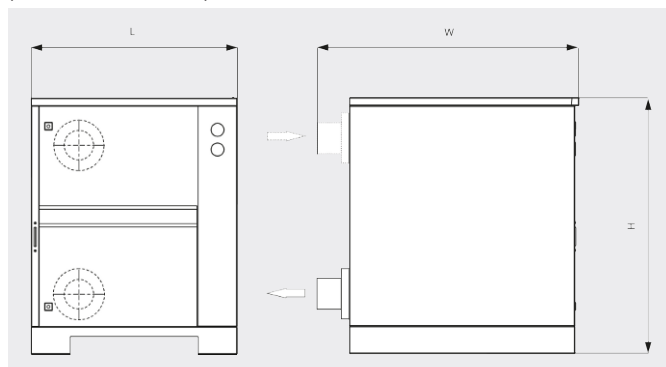
- Oil filler unit
- Non-return valve
- Vacuum regulating valve (for vacuum version)
- Rubber and stainless steel expansion joints
- Electronic filter monitoring
- Temperature monitoring device
- Oil temperature sensors
- Nickel coating of stage
- V-belt guard for versions with acoustic enclosure
- Start-up 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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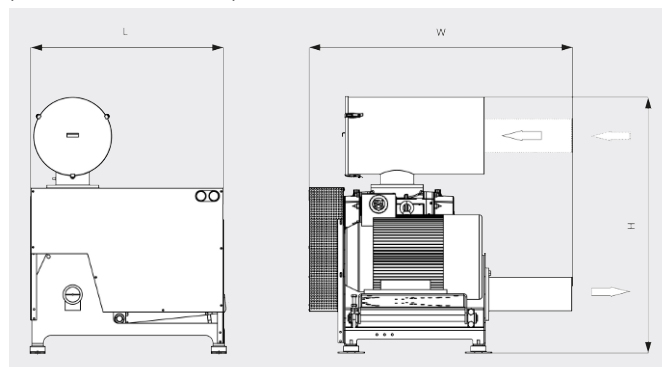
Rotary lobe blowers



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
Volume flow	2.5 – 10.0 m ³ /min	3.7 – 15.0 m ³ /min	5.1 – 28.0 m ³ /min	7.1 – 39.0 m ³ /min
Max. differential pressure	-500 hPa (mbar)	-500 hPa (mbar)	-500 hPa (mbar)	-500 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 ⁻¹	1150 – 4700 min ⁻¹	850 – 4700 min ⁻¹	850 – 4700 min ⁻¹
Weight approx. (without/with acoustic enclosure)	180 / 295 kg	197 / 312 kg	346/ 535 kg	372 / 561 kg
Dimensions (L x W x H) (without/with acoustic enclosure)	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
Gas inlet / outlet	Ø 114 mm	Ø 114 mm	Ø 159 mm	Ø 159 mm

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

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Volume flow	2.5 – 10.0 m ³ /min	3.7 – 15.0 m ³ /min	5.1 – 28.0 m ³ /min	7.1 – 39.0 m ³ /min
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 ⁻¹	1150 – 4700 min ⁻¹	850 – 4700 min ⁻¹	850 – 4700 min ⁻¹
Weight approx. (without/with acoustic enclosure)	180 / 295 kg	197 / 312 kg	346 / 535 kg	372 / 561 kg
Dimensions (L x W x H) (without/with acoustic enclosure)	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
Gas inlet / outlet	Ø 114 mm	Ø 114 mm	Ø 159 mm	Ø 159 mm

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DO YOU WANT TO KNOW MORE?

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info@busch.ee or +372 568 13 203



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