

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

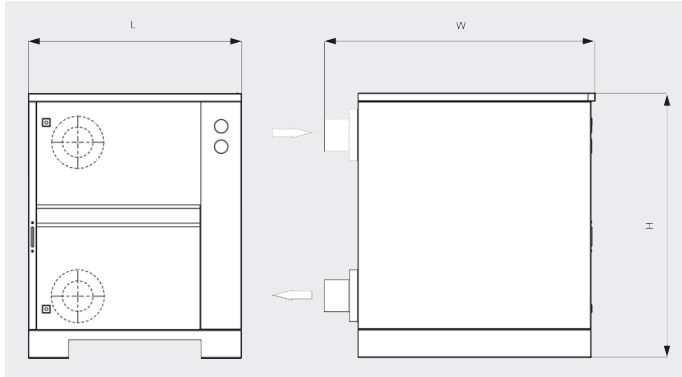
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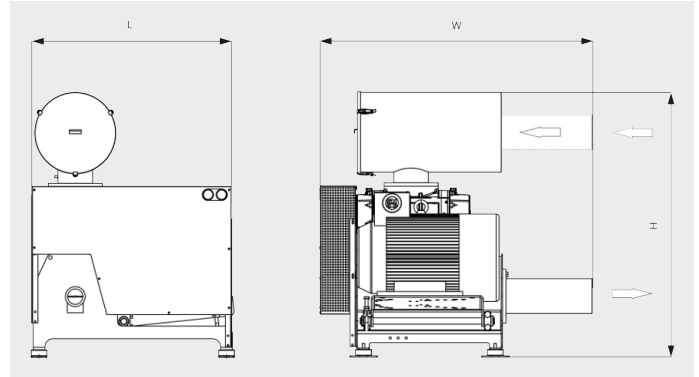


VACUUM SOLUTIONS

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

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	TYR WT 0600 CV	TYR WT 0730 CV
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

	TYR WT 0100 CP	TYR WT 0150 CP	TYR WT 0280 CP	TYR WT 0390 CP
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
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	TYR WT 0100 CV	TYR WT 0150 CV	TYR WT 0280 CV	TYR WT 0390 CV
Volume flow	88–353 ACFM	131–530 ACFM	180–989 ACFM	251–1377 ACFM
Max. differential pressure	-375 TORR	-375 TORR	-375 TORR	-375 TORR
Nominal motor rating	1.0–30.0 HP	1.5–50.0 HP	2.0–75.0 HP	3.0–100.0 HP
Blower speed	1150–4700 RPM	1150–4700 RPM	850–4700 RPM	850–4700 RPM
Weight approx. (without/with acoustic enclosure)	397/650 Lbs.	434/688 Lbs.	763/1179 Lbs.	820/1237 Lbs.
Dimensions (L x W x H) (without/with acoustic enclosure)	28.1 x 43.9 x 40.1 / 31.1 x 46.4 x 42.6 inches	27.1 x 43.8 x 40.5 / 31.1 x 46.4 x 42.6 inches	37.2 x 48 x 49.3 / 41.3 x 50.8 x 51.3 inches	37.2 x 48 x 49.3 / 41.3 x 50.8 x 51.3 inches
Gas inlet / outlet	4.48 / 4.48 inches	4.48 / 4.48 inches	6.26 / 6.26 inches	6.26 / 6.26 inches

	TYR WT 0600 CV	TYR WT 0730 CV
Volume flow	424–2119 ACFM	544–2578 ACFM
Max. differential pressure	-375 TORR	-375 TORR
Nominal motor rating	5.0–125.0 HP	7.5–150.0 HP
Blower speed	750–4050 RPM	750–3550 RPM
Weight approx. (without/with acoustic enclosure)	1567/2235 Lbs.	1653/2321 Lbs.
Dimensions (L x W x H) (without/with acoustic enclosure)	50.2 x 67 x 65.4 / 57.1 x 70.1 x 68.2 inches	50.2 x 67 x 65.4 / 57.1 x 70.1 x 68.2 inches
Gas inlet / outlet	8.62 / 8.62 inches	8.62 / 8.62 inches

	TYR WT 0100 CP	TYR WT 0150 CP	TYR WT 0280 CP	TYR WT 0390 CP
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Max. differential pressure	750 TORR	750 TORR	750 TORR	750 TORR
Nominal motor rating	1.0–30.0 HP	1.5–50.0 HP	2.0–75.0 HP	3.0–100.0 HP
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Gas inlet / outlet	8.62 / 8.62 inches	8.62 / 8.62 inches

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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