

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



Discover all advantages of the product series TYR WT

Efficient

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

Quiet

Innovative noise reduction concept, integrated inlet and outlet silencers

Robust

Durable construction, contact-free operating principle, base frame with forklift slots for easy handling

Accessories

- Vacuum regulating valve (for vacuum version)
- Non-return valve
- 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
- Oil filler unit
- Resonance pulsation silencer
- Water cooling system (water-air or water-water)
- External control cabinet

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



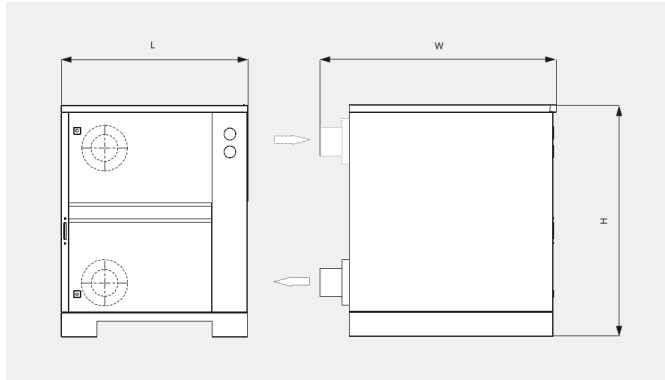
- Acoustic enclosure (optionally with all-weather finish for outdoor applications)
- Reactive inlet and outlet silencers
- Door switch
- C 4 corrosion protection version
- Labyrinth seal in stainless steel

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



Dimensional drawing



The following technical values refer to ISO 50 Hz

	TYR WT 0100 CP	TYR WT 0100 CV	TYR WT 0150 CP	TYR WT 0150 CV
Volume flow	152 – 535 m ³ /h	152 – 538 m ³ /h	480 – 808 m ³ /h	480 – 822 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	18.5 kW	11.0 kW	30.0 kW	18.5 kW
Blower speed	4700 min ⁻¹	4700 min ⁻¹	4700 min ⁻¹	4700 min ⁻¹
Weight approx. (without/with acoustic enclosure)	180 / 205 kg	180 / 295 kg	197 / 312 kg	197 / 312 kg
Dimensions (L x W x H) (with acoustic enclosure)	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm
Dimensions (L x W x H) (without acoustic enclosure)	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm
Gas inlet	Ø 114 mm	Ø 114 mm	Ø 114 mm	Ø 114 mm
Gas outlet	Ø 114 mm	Ø 114 mm	Ø 114 mm	Ø 114 mm

The following technical values refer to ISO 50 Hz

	TYR WT 0280 CP	TYR WT 0280 CV	TYR WT 0390 CP	TYR WT 0390 CV
Volume flow	698 – 1355 m ³ /h	698 – 1330 m ³ /h	1258 – 1793 m ³ /h	1258 – 1907 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	45.0 kW	30.0 kW	55.0 kW	37.0 kW
Blower speed	4100 min ⁻¹	4100 min ⁻¹	4100 min ⁻¹	4100 min ⁻¹

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



	TYR WT 0280 CP	TYR WT 0280 CV	TYR WT 0390 CP	TYR WT 0390 CV
Weight approx. (without/with acoustic enclosure)	326 / 535 kg	346 / 535 kg	372 / 561 kg	372 / 561 kg
Dimensions (L x W x H) (with acoustic enclosure)	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm
Dimensions (L x W x H) (without acoustic enclosure)	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm
Gas inlet	Ø 159 mm	Ø 159 mm	Ø 159 mm	Ø 159 mm
Gas outlet	Ø 159 mm	Ø 159 mm	Ø 159 mm	Ø 159 mm

The following technical values refer to ISO 50 Hz

	TYR WT 0600 CP	TYR WT 0600 CV	TYR WT 0730 CP	TYR WT 0730 CV
Volume flow	1791 – 2973 m ³ /h	1791 – 3097 m ³ /h	2650 – 3972 m ³ /h	2650 – 3992 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	90.0 kW	55.0 kW	110.0 kW	75.0 kW
Blower speed	3500 min ⁻¹	3500 min ⁻¹	3500 min ⁻¹	3500 min ⁻¹
Weight approx. (without/with acoustic enclosure)	711 / 1014 kg	711 / 1014 kg	750 / 1053 kg	750 / 1053 kg
Dimensions (L x W x H) (with acoustic enclosure)	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm
Dimensions (L x W x H) (without acoustic enclosure)	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm
Gas inlet	Ø 219 mm	Ø 219 mm	Ø 219 mm	Ø 219 mm
Gas outlet	Ø 219 mm	Ø 219 mm	Ø 219 mm	Ø 219 mm

The following technical values refer to ISO 60 Hz

	TYR WT 0100 CP	TYR WT 0100 CV	TYR WT 0150 CP	TYR WT 0150 CV
Volume flow	152 – 535 m ³ /h	152 – 538 m ³ /h	480 – 808 m ³ /h	480 – 822 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	18.5 kW	11.0 kW	30.0 kW	18.5 kW
Blower speed	4700 min ⁻¹	4700 min ⁻¹	4700 min ⁻¹	4700 min ⁻¹
Weight approx. (without/with acoustic enclosure)	180 / 205 kg	180 / 295 kg	197 / 312 kg	197 / 312 kg

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



	TYR WT 0100 CP	TYR WT 0100 CV	TYR WT 0150 CP	TYR WT 0150 CV
Dimensions (L x W x H) (with acoustic enclosure)	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm	800 x 1157 x 1082 mm
Dimensions (L x W x H) (without acoustic enclosure)	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm	690 x 1080 x 1028 mm
Gas inlet	Ø 114 mm	Ø 114 mm	Ø 114 mm	Ø 114 mm
Gas outlet	Ø 114 mm	Ø 114 mm	Ø 114 mm	Ø 114 mm

The following technical values refer to ISO 60 Hz

	TYR WT 0280 CP	TYR WT 0280 CV	TYR WT 0390 CP	TYR WT 0390 CV
Volume flow	698 – 1355 m ³ /h	698 – 1330 m ³ /h	1258 – 1793 m ³ /h	1258 – 1907 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	45.0 kW	30.0 kW	55.0 kW	37.0 kW
Blower speed	4100 min ⁻¹	4100 min ⁻¹	4100 min ⁻¹	4100 min ⁻¹
Weight approx. (without/with acoustic enclosure)	326 / 535 kg	346 / 535 kg	372 / 561 kg	372 / 561 kg
Dimensions (L x W x H) (with acoustic enclosure)	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm	1050 x 1269 x 1302 mm
Dimensions (L x W x H) (without acoustic enclosure)	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm	945 x 1218 x 1251 mm
Gas inlet	Ø 159 mm	Ø 159 mm	Ø 159 mm	Ø 159 mm
Gas outlet	Ø 159 mm	Ø 159 mm	Ø 159 mm	Ø 159 mm

The following technical values refer to ISO 60 Hz

	TYR WT 0600 CP	TYR WT 0600 CV	TYR WT 0730 CP	TYR WT 0730 CV
Volume flow	1791 – 2973 m ³ /h	1791 – 3097 m ³ /h	2650 – 3972 m ³ /h	2650 – 3992 m ³ /h
Max. differential pressure	+1000 hPa (mbar)	-500 hPa (mbar)	+1000 hPa (mbar)	-500 hPa (mbar)
Nominal motor rating	90.0 kW	55.0 kW	110.0 kW	75.0 kW
Blower speed	3500 min ⁻¹	3500 min ⁻¹	3500 min ⁻¹	3500 min ⁻¹
Weight approx. (without/with acoustic enclosure)	711 / 1014 kg	711 / 1014 kg	750 / 1053 kg	750 / 1053 kg
Dimensions (L x W x H) (with acoustic enclosure)	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm	1450 x 1760 x 1732 mm

TYR WT 0100–0730 CV/CP

Rotary lobe blowers



VACUUM SOLUTIONS

	TYR WT 0600 CP	TYR WT 0600 CV	TYR WT 0730 CP	TYR WT 0730 CV
Dimensions (L x W x H) (without acoustic enclosure)	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm	1250 x 1705 x 1660 mm
Gas inlet	Ø 219 mm	Ø 219 mm	Ø 219 mm	Ø 219 mm
Gas outlet	Ø 219 mm	Ø 219 mm	Ø 219 mm	Ø 219 mm

DO YOU WANT TO KNOW MORE

Please contact us!
sales@busch.co.nz or +64 (0)800 428 724



CONTACT FORM



CALL US NOW