

Max. 220 m³/h
S-Force

DC centrifugal fans

Ø 97 x 41 mm



- **Material:** Impeller: Galvanized sheet steel
 - **Direction of air flow:** Axial: Intake, Centrifugal: Exhaust
 - **Direction of rotation:** Clockwise, looking towards rotor
 - **Connection:** via single wires AWG 18, 20 or AWG 22, TR 64. Speed signal and control input AWG 22
 - **Highlights:** Highly efficient and smoothly operating 3-phase fan drive Forward-curved impeller Fan requires a scroll housing
 - **Weight:** 430 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go / NoGo alarm
 - Alarm with speed limit
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analog control input
 - Moisture protection

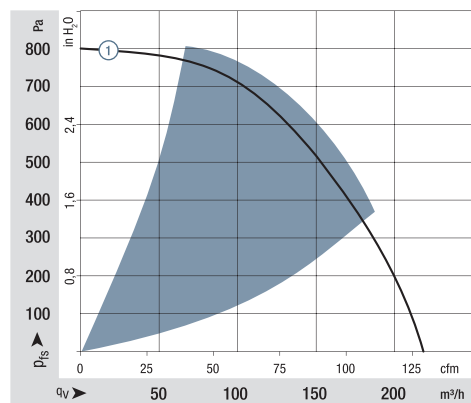
Series RET 97 TD

Nominal data

Type	Air flow		Nominal voltage	Voltage range		Sound power level	Sinter sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst standard	Service life L ₁₀ (T _{max}) ebm-papst standard	Life expectancy L ₁₀ (IPC (40 °C) see page 17	Curve
	m ³ /h	cfm		VDC	VDC									
RET 97-25/14/2 TDP	220	129	24	16...32	8.1	■	77	6 000	-20...+60	80 000 / 50 000	135 000	①		
RET 97-25/18/2 TDP	220	129	48	36...60	8.1	■	76	6 000	-20...+60	80 000 / 50 000	135 000	①		

Subject to change

Speed control range from 800 rpm⁻¹ at 7% PWM up to nominal speed at > 90% PWM.
Standstill at 0% PWM, maximum speed if control cable is interrupted.
To attain the specified service life, an external capacitor must be wired between the positive and negative wires. Please note the wiring suggestion.



Air performance measured according to: ISO 5801.
Installation category A, with ebm-papst scroll housing without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_{PA} measured at 1 m distance from fan axis.
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.
In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see <http://www.ebmpapst.com/general conditions>

