

max. 970 m³/h
S-Force

DC centrifugal fans

Series RER 190 TD Ø 190 x 69 mm



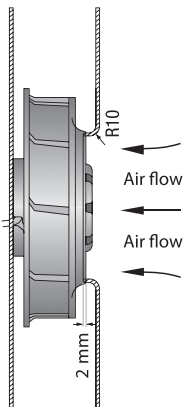
- **Material:** Impeller: GRP¹⁾
- **Direction of air flow:** Axial: Intake, Centrifugal: Exhaust
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via single wires AWG 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22
- **Highlights:** 3-phase fan drive with very smooth running and high efficiency
Backwards-curved RadiCal impeller
- **Mass:** 870 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go / No-go alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analogue control input
 - Multi-option control input
 - Protection against moisture
 - Protection against salt fog
 - Type of protection: IP 54

¹⁾ Fibreglass-reinforced plastic

Nominal data	Air flow		Nominal voltage	Voltage range	Sound power level	Sintec sleeve bearings Ball bearings	Input power	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											
RER 190-39/14/2 TDML0	650	382	24	16...30	7,6	■	58	3 000	-20...+60	55 000 / 35 000	92 500	①	
RER 190-39/14/2 TDM0	860	506	24	16...36	7,9	■	110	3 900	-20...+65	52 500 / 30 000	87 500	②	
RER 190-39/18/2 TDML0*	650	382	48	36...57	7,6	■	56	3 000	-20...+65	55 000 / 30 000	92 500	①	
RER 190-39/18/2 TDM0*	860	506	48	36...72	7,9	■	105	3 900	-20...+65	52 500 / 30 000	87 500	②	
RER 190-39/18/2 TD0	970	571	48	36...72	8,3	■	148	4 400	-20...+65	40 000 / 22 500	67 500	③	

* Auf Anfrage
Subject to alternations

Speed control range from 800 rpm at 7 % PWM up to nominal speed at > 90 % PWM. Standstill at 0 % PWM, standstill if control cable is interrupted.



The air flow and noise level of the centrifugal fans without external housing depend on their individual installation conditions. The stated air flow and noise level were recorded under the following measurement parameters:
Centrifugal fan mounted on a foundation plate 195 x 195 mm.
Cover plate 195 x 195 mm, with an air inlet opening Ø 125,5 mm, arranged concentrically to the impeller.

