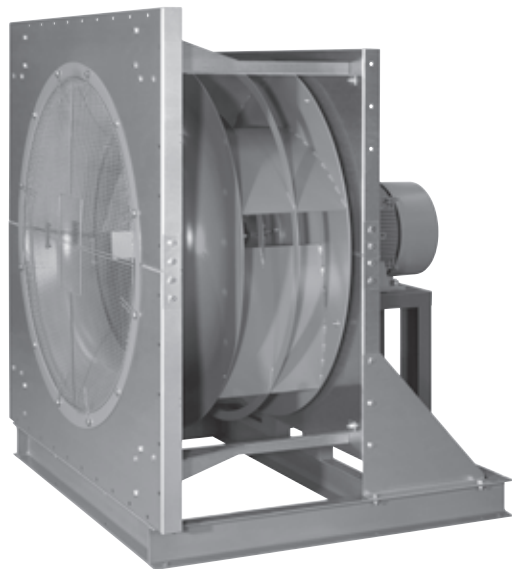
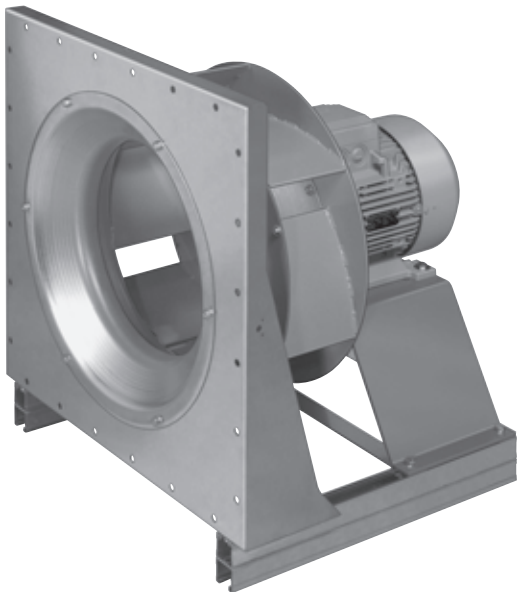




Direct drive in tolerance class 1:
Range RLM

Nicotra Gebhardt has successfully further improved its free running impeller line (plug fans).

By optimising the impeller geometry a significant reduction in noise level up to -6dB was achieved, without affecting the aerodynamic performance characteristics in any way.

In stating the performance data we have kept to the representation of the static pressure and static impeller efficiency. These values correspond to the practical figures in application case.

The fans can simply be selected via the fan selection program proSELECTA II.

All technical specifications, dimensions and performance curves are available for you.

Top quality for performance and a long service life!

The RLM advantages:

- Optimised aerodynamically and acoustically executions
- Pressure increase of 2,000Pa can be reached in the optimum range
- Optimum motor utilisation thanks to adapted impeller strength
- Short manufactured length, compact module
- Low impeller weight reduces load on the motor bearings
- Precise flow measuring device Standard

Performance data		Deviations per tolerance class		
		1	2	3
Volume flow	q _V	2.5 %	5 %	10 %
Pressure increase	p _F	2.5 %	5 %	10 %
Power consumption	P	+3 %	+8 %	+16 %
Efficiency	η	-2 %	-5 %	-
Sound power level (A weighted)	L _{WA}	+3 dB	+4 dB	+6 dB



Nicotra Gebhardt is setting accents:
RLM series!

Nicotra Gebhardt remains true to its strategy and is thus able to introduce new trends in the free running impeller range.

RLM series

- Impeller diameter 0280 up to 1400 mm nominal size
- Optimised for use without scroll
- Motor with three PTC resistors, suitable for operation at frequency inverter
- Centrifugal impeller with 6 backward curved steelblades, welded and coated
- Volume up to 100,000m³/h
- Pressure up to 2,000Pa

The RLM range of models:
The right fan for your air handling unit!

Version	Description	Figure
RLM 56-2528/-1011	Motor impeller with inlet cone, supporting plate, motor base and frame manufactured as a module and adjusted. Power data in precision class 1 according to DIN 24166.	
RLM 55-1112/-1214	Motor impeller with inlet cone, supporting plate, motor base and robust base-frame manufactured as a module and adjusted. Power data in precision class 1 according to DIN 24166.	