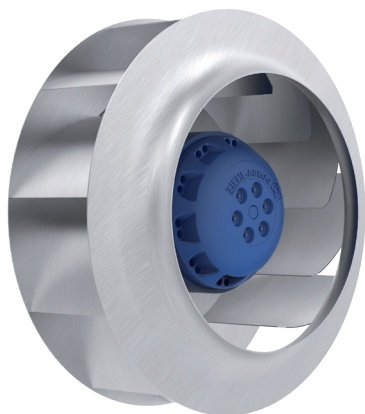


L-series

for single phase alternating current, 4 pole

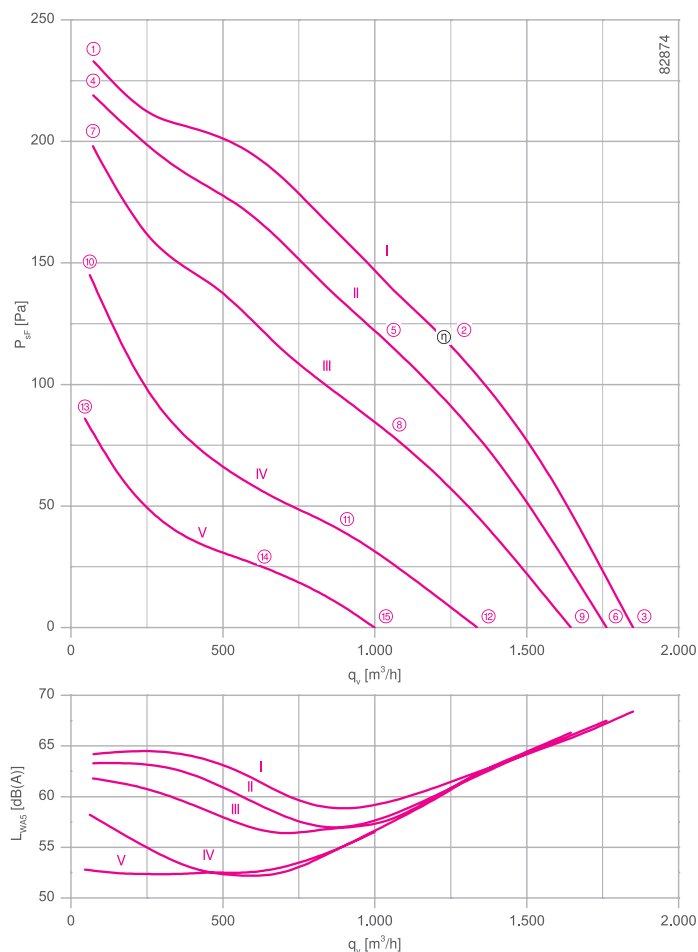
RH31 L-4E



Description

Motor technology: AC
 Rated voltage U_N : **1~ 230 V***
 Rated frequency f_N : **50 Hz*** (60Hz data available)
 Motor input power P_1 : **0.12 kW***
 Rated current I_N : **0.55 A***
 Rated speed n_N : **1250 min⁻¹***
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 5.0 μF
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -40 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125 W$)
 * Rated data

Characteristic curve

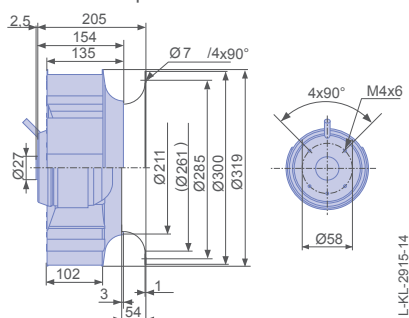


measured with inlet ring, without guard grille according to ISO 5801

- | | | |
|----------------------|--------------|----------|
| ➤ Inlet ring | 00335943 | Page 451 |
| ➤ Connection diagram | 1360-177X SW | Page 550 |
| ➤ System components | | Page 448 |

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31L-4EP.WD.1R	I	230	①	0.46	100	1360	64
		230*	②	0.54*	120*	1250*	59
		230	③	0.48	100	1330	68
	II	200	④	0.40	80	1320	63
		200	⑤	0.52	100	1170	57
		200	⑥	0.44	85	1280	68
	III	170	⑦	0.39	65	1260	62
		170	⑧	0.50	85	1030	57
		170	⑨	0.42	75	1200	66
	IV	135	⑩	0.39	50	1080	58
		135	⑪	0.46	60	770	52
		135	⑫	0.42	55	980	62
	V	110	⑬	0.36	40	840	53
		110	⑭	0.39	42	590	52
		110	⑮	0.37	40	740	57

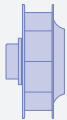
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable variable 45cm



Type **RH31L-4EP.WD.1R**

Article no. **161617**

Weight [kg] 4.50

* Inlet ring not included

Control technology

Frequency inverter
Fcontrol 1~



➔ Page 478

Motor protection units
1~



➔ Page 526

Transformer-based
controllers 1~



➔ Page 517

Electronic voltage
controllers 1~



➔ Page 492