

RM..D-ECblue

for single phase alternating current, 200-277 V

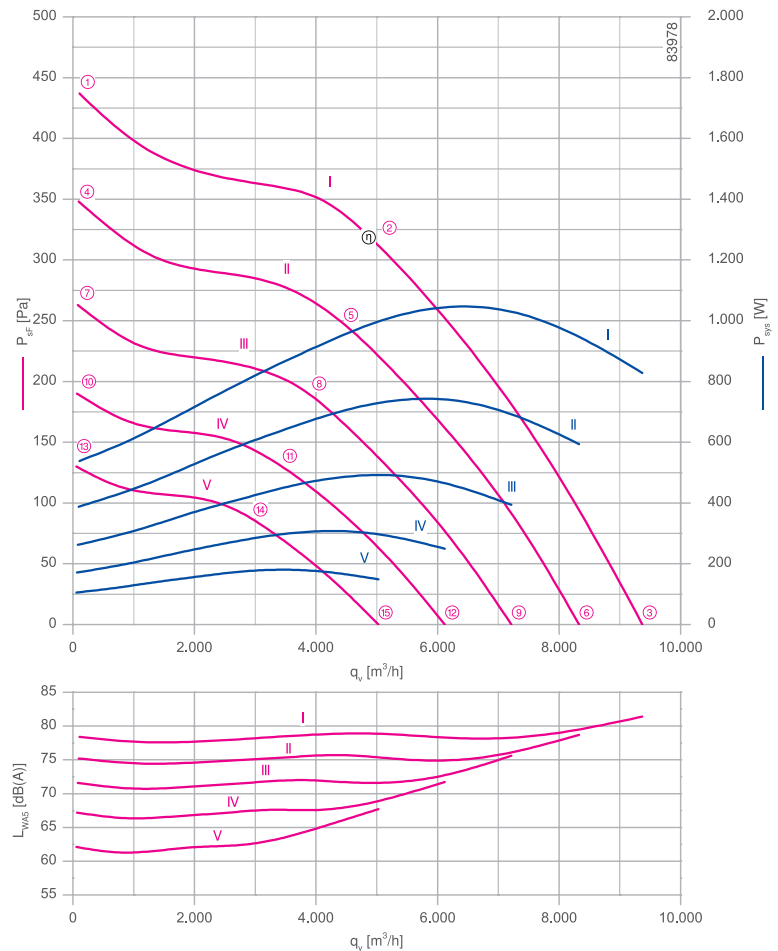
RM50D-ZIK



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 1.05 kW*
Rated current I: 5.40-3.90 A*
Rated speed n: 1290 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R} : -35 °C
Max. permitted ambient temperature t_{R} at n_{max} : 40 °C
Electrical connection: integrated Controller
Number of blades : 9
Balancing quality: G 6.3
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : Aluminium, uncoated
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 44.9 %
Efficiency: $N_{actual} = 59.5 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

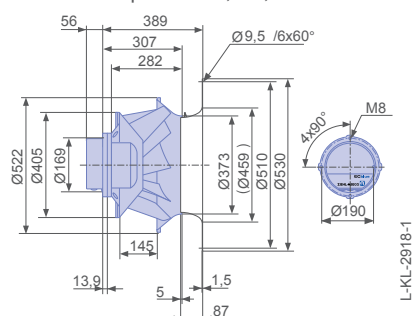


Measured with inlet ring, without guard grille according to ISO 5801

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Dimensions [mm]

Free running motorised impeller RM
in installation position H, Vu, Vo

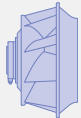


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level	Maximum ambient temperature
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WAS} [dB]	t _R [°C]
RM50D-ZIK.DG.1R	I	1290	①	2.60	540	78	40
		1290	②	4.60	1050	78	
		1290	③	3.70	820	81	
	II	1150	④	1.85	390	75	60
		1150	⑤	3.40	740	75	
		1150	⑥	2.80	600	79	
	III	1000	⑦	1.20	260	72	
		1000	⑧	2.30	500	72	
		1000	⑨	1.85	390	76	
	IV	850	⑩	0.80	170	67	
		850	⑪	1.45	310	68	
		850	⑫	1.15	250	72	
	V	700	⑬	0.54	110	62	
		700	⑭	0.84	180	64	
		700	⑮	0.70	150	68	

Current values determined at 230V

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
	
Type	RM50D-ZIK.DG.1R
Basic electronics	
Article no.	114139
Weight [kg]	11.00
* Inlet ring not included	
** Inlet ring integrated	

Control technology

Control module	Operating terminal	Expansion module
		
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RM..D-ECblue

for three phase alternating current, 380-480 V

RM500D-ZIK



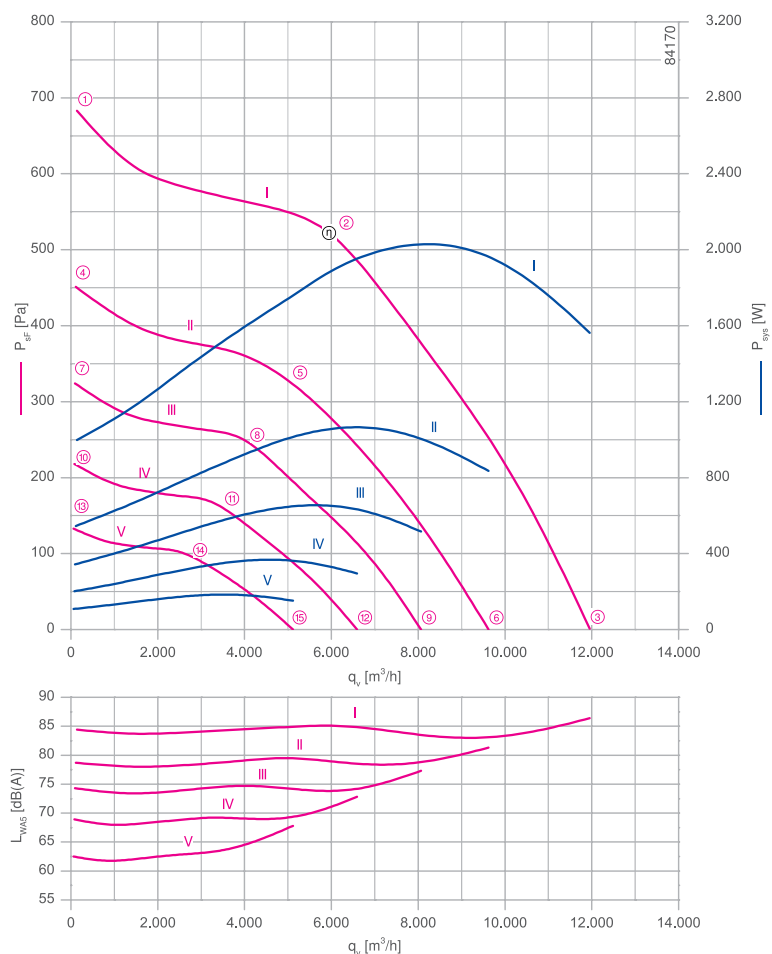
Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **2,05 kW***
Rated current I: **3.30-2.60 A***
Rated speed n: **1600 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R} : -35 °C
Max. permitted ambient temperature t_{R} at n_{max} : 40 °C
Electrical connection: integrated Controller
Number of blades : 9
Balancing quality: G 6.3
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : Aluminium, uncoated
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 47.0 %
Efficiency: $N_{actual} = 58.0 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

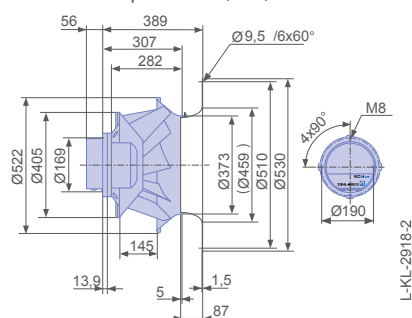


Measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00278489	Page 264
➤ Connection diagram	1360-401	Page 365
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Dimensions [mm]

Free running motorised impeller RM
in installation position H, Vu, Vo

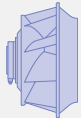


Performance data

Type	Characteristic curve	Speed n [min ⁻¹]	Operating point	Current I [A]	Motor input power P _{sys} [W]	Suction side sound power level L _{WAS} [dB]	Maximum ambient temperature t _R [°C]
RM50D-ZIK.DG.1R	I	1610	①	1.65	1000	84	40
		1610	②	3.10	2000	83	
		1610	③	2.50	1550	86	
	II	1310	④	1.05	540	79	60
		1310	⑤	1.75	1100	78	
		1310	⑥	1.40	840	81	
	III	1110	⑦	0.78	340	74	
		1110	⑧	1.20	660	74	
		1110	⑨	1.00	520	77	
	IV	910	⑩	0.56	200	69	
		910	⑪	0.82	370	69	
		910	⑫	0.74	300	73	
	V	700	⑬	0.37	110	63	
		700	⑭	0.52	180	63	
		700	⑮	0.48	150	68	

Current values determined at 400V

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
	
Type	RM50D-ZIK.DG.1R
Basic electronics	
Article no.	114140
Weight [kg]	11.00
* Inlet ring not included	
** Inlet ring integrated	

Control technology

Control module	Operating terminal	Expansion module
		
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