

RM..D-ECblue

for three phase alternating current, 380-480 V

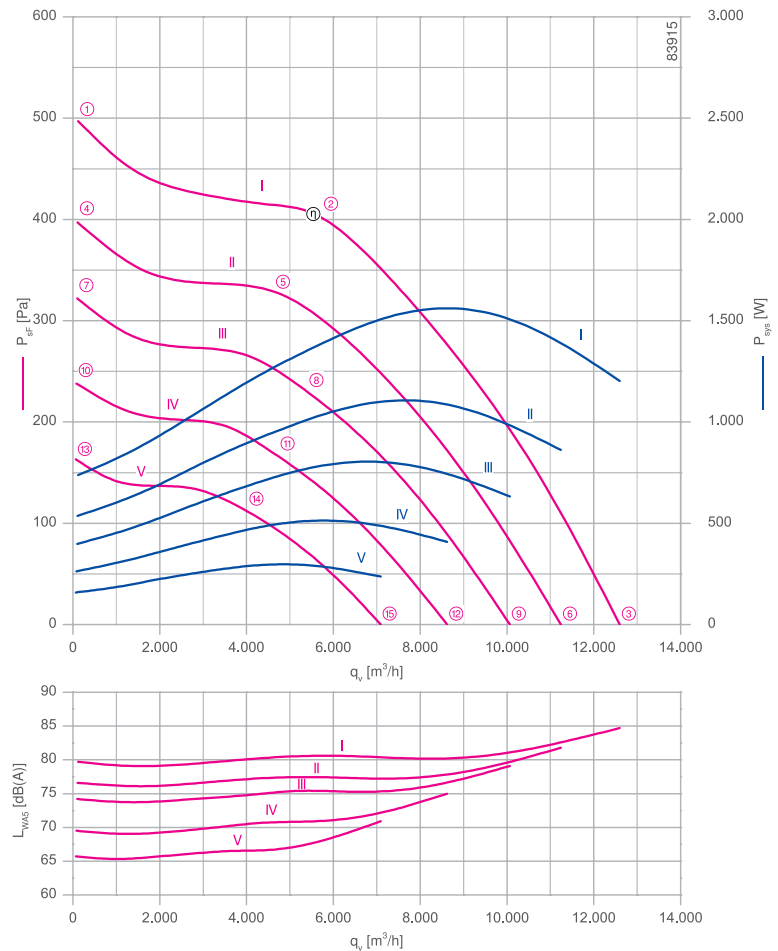
RM56D-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **1.55 kW***
Rated current I: **2.50-2.00 A***
Rated speed n: **1230 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} : 46.8 %
Efficiency: $N_{actual} = 59.6 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

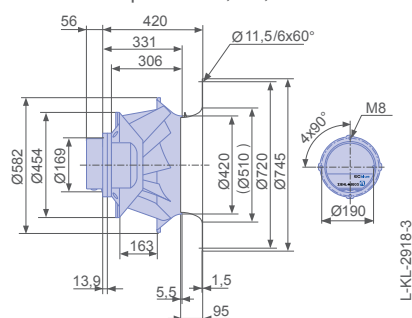


Measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00279305	Page 264
➤ Connection diagram	1360-401	Page 365
➤ System components		Page 262

Dimensions [mm]

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

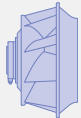


Performance data

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]
RM56D-ZIK.DG.1R	I	1230	①	1.20	740	80	40
		1230	②	2.40	1550	80	
		1230	③	1.90	1200	85	
	II	1100	④	0.94	540	77	60
		1100	⑤	1.75	1100	77	
		1100	⑥	1.40	860	82	
	III	990	⑦	0.76	400	74	
		990	⑧	1.30	800	75	
		990	⑨	1.05	640	79	
	IV	850	⑩	0.58	260	70	
		850	⑪	0.92	520	71	
		850	⑫	0.78	400	75	
	V	700	⑬	0.44	160	66	
		700	⑭	0.64	300	67	
		700	⑮	0.56	240	71	

Current values determined at 400V

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
	
Type	RM56D-ZIK.DG.1R
Basic electronics	
Article no.	114141
Weight [kg]	14.00
* Inlet ring not included	
** Inlet ring integrated	

Control technology

Control module	Operating terminal	Expansion module
		
➤ Page 282	➤ Page 294	➤ Page 291

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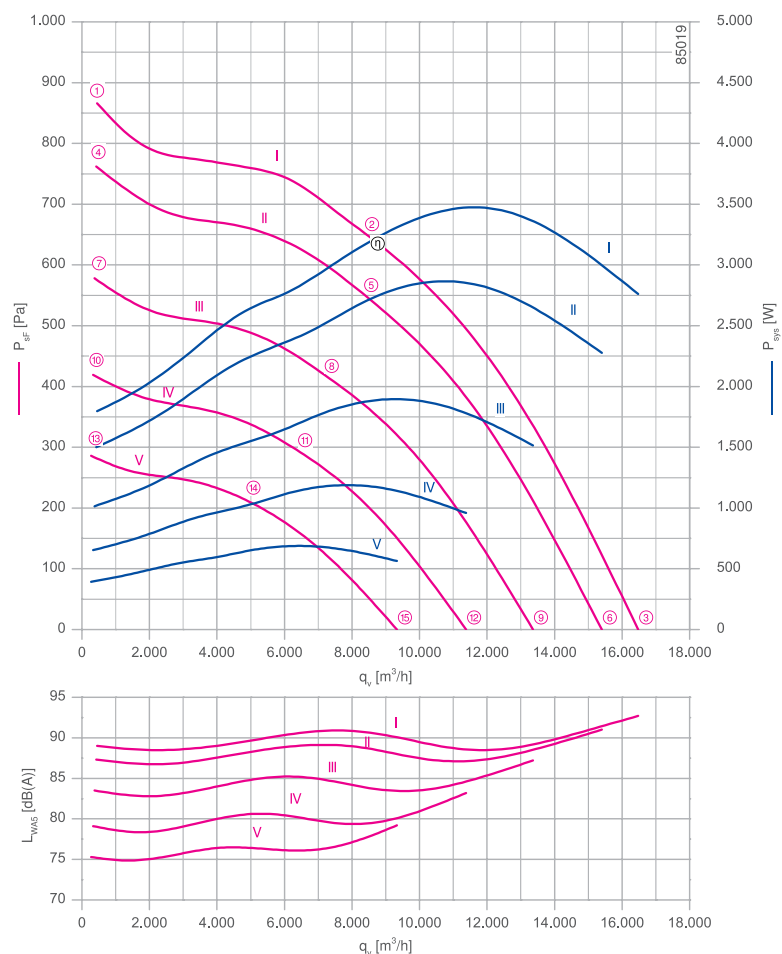
Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.50 kW***
Rated current I: **5.60-4.40 A***
Rated speed n: **1650 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_R : -35 °C
Max. permitted ambient temperature t_R at n_{max} : 50 °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} : 51.7 %
Efficiency: $N_{actual} = 56.8 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

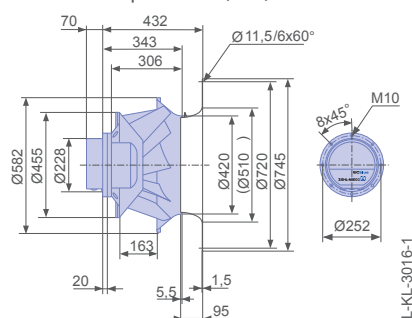


Measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00279305	Page 264
➤ Connection diagram	1360-401	Page 365
➤ System components		Page 262

Dimensions [mm]

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

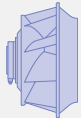


Performance data

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]
RM56D-ZIK.GL.1R	I	1650	①	2.80	1800	89	50
		1650	②	5.20	3500	88	
		1650	③	4.20	2800	93	
	II	1550	④	2.30	1500	87	60
		1550	⑤	4.40	2900	87	
		1550	⑥	3.50	2300	91	
	III	1350	⑦	1.60	1000	84	
		1350	⑧	2.90	1900	83	
		1350	⑨	2.30	1500	87	
	IV	1150	⑩	1.10	660	79	
		1150	⑪	1.90	1200	79	
		1150	⑫	1.55	960	83	
	V	950	⑬	0.76	390	75	
		950	⑭	1.15	700	76	
		950	⑮	1.00	560	79	

Current values determined at 400V

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
	
Type	RM56D-ZIK.GL.1R
Basic electronics	
Article no.	114142
Weight [kg]	20.00
* Inlet ring not included	
** Inlet ring integrated	

Control technology

Control module	Operating terminal	Expansion module
		
➤ Page 282	➤ Page 294	➤ Page 291