

RM..D-ECblue

for three phase alternating current, 380-480 V

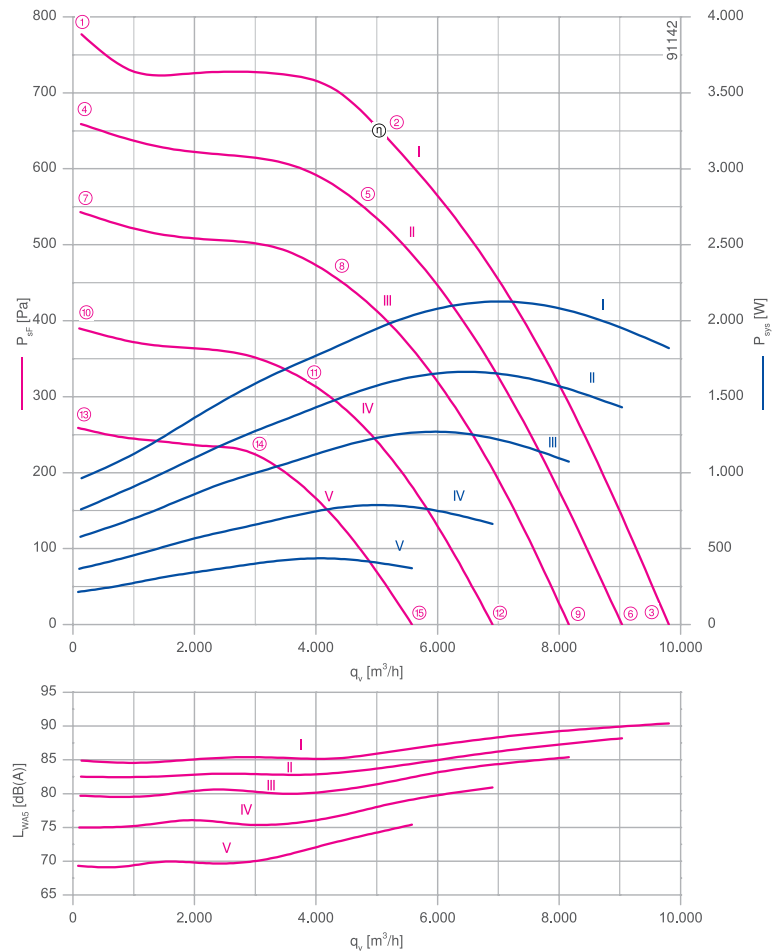
RM45D-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **2.10 kW***
Rated current I: **3.50-2.80 A***
Rated speed n: **1900 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R1} : - 5 °C
Max. permitted ambient temperature t_{R2} 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 : High Performance Composite Material, uncoated, black
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 50.5 %
Efficiency: $N_{actual} = 57.3 / N_{target} = 50^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

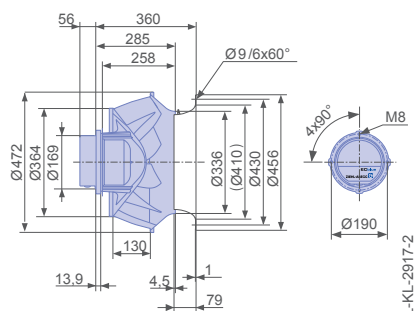


measured with inlet ring, without guard grille according to ISO 5801

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➤ 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

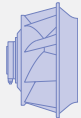
Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level	Maximum ambient temperature
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WAS} [dB]	
RM45D-ZIK.DG.1R	I	1900	①	1.55	960	85	40
		1900	②	3.30	2100	89	
		1900	③	2.80	1800	90	
	II	1750	④	1.25	760	83	60
		1750	⑤	2.60	1700	86	
		1750	⑥	2.20	1450	88	
	III	1590	⑦	1.00	580	80	
		1590	⑧	2.00	1250	83	
		1590	⑨	1.70	1050	85	
	IV	1350	⑩	0.72	370	75	
		1350	⑪	1.30	780	79	
		1350	⑫	1.10	660	81	
	V	1100	⑬	0.52	210	69	
		1100	⑭	0.82	440	73	
		1100	⑮	0.72	370	75	

Current values determined at 400V

Fan ordering information

DesignRM

Installation positionH/Vu/Vo



TypeRM45D-ZIK.DG.1R

Basic electronics

Article no.114138

Weight [kg]12.00

* Inlet ring not included

** Inlet ring integrated

Control technology

Control module
➤ Page 282

Operating terminal
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Expansion module
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