

Vpro-ECblue

for single phase alternating current, 200-277 V

RH22V-6IP



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 0.14 kW*
Rated current I: 1.10-0.78 A*
Rated speed n: 3240 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R} : - 5 °C
Max. permitted ambient temperature t_{R} at n_{max} : 60 °C
Electrical connection: Integrated controller with attached cable
Number of blades : 6
Balancing quality: G 6.3
Protection class: IP44
Motor protection: Integrated active temperature management
Impeller : High Performance Composite Material, uncoated, black
Conformity: ErP 2015, CE

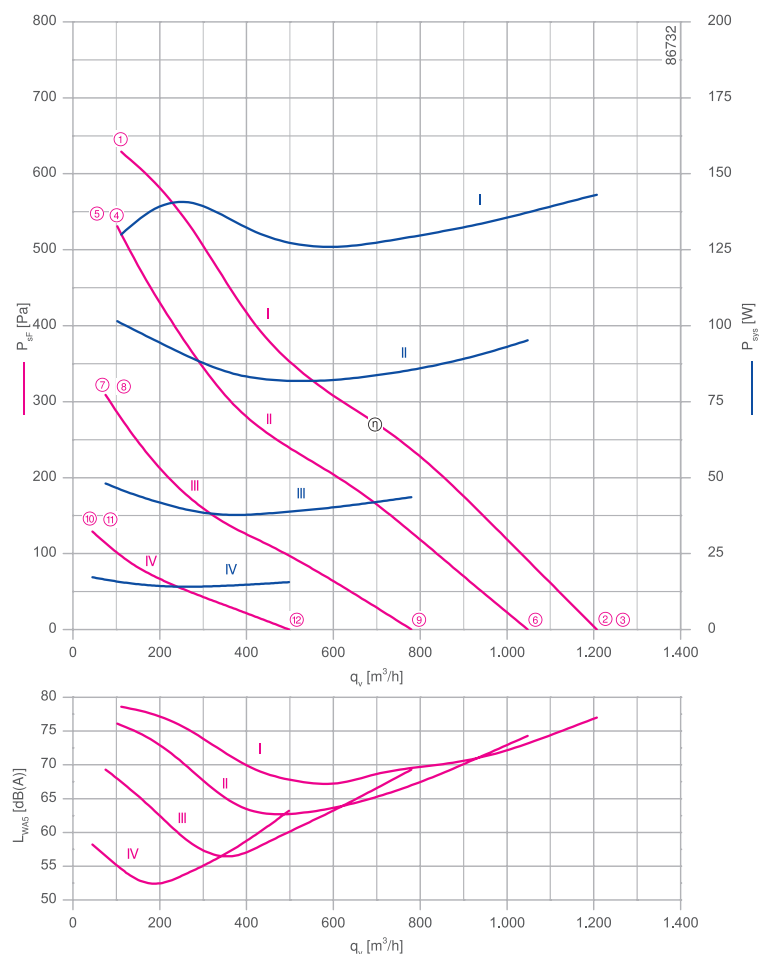
ErP-data

Efficiency η_{statA} : 48.8 %
Efficiency: $N_{actual} = 68.7 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

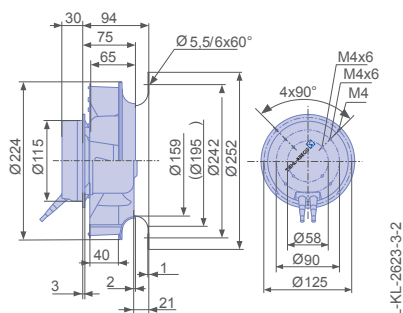


measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00407898	Page 450
➤ Connection diagram	KT00036A	Page 547
➤ System components		Page 448

Dimensions [mm]

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



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		%		I [A]	P _{sys} [W]	L _{WA5} [dB]
RH22V-6IP.0B.1R	I	100	①	0.86	130	79
			②	0.94	140	77
			③	0.94	140	77
	II	80	④	0.66	100	76
			⑤	0.66	100	76
			⑥	0.62	95	74
	III	60	⑦	0.35	48	69
			⑧	0.35	48	69
			⑨	0.32	44	69
	IV	40	⑩	0.17	17	58
			⑪	0.17	17	58
			⑫	0.16	16	63

Current values determined at 230V

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
	
Type	RH22V-6IP.0B.1R
Basic electronics	
Article no.	113247
Weight [kg]	2.10
* Inlet ring not included	

Control technology

Control module	Operating terminal	Expansion module
		
➤ Page 464	➤ Page 476	➤ Page 473

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RH22V-6IP



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 0.21 kW*
Rated current I: 1.85-1.35 A*
Rated speed n: 3380 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R1} : -5 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 60 °C
Electrical connection: Integrated controller with attached cable
Number of blades: 6
Balancing quality: G 6.3
Protection class: IP44
Motor protection: Integrated active temperature management
Impeller: High Performance Composite Material, uncoated, black
Conformity: ErP 2015, CE

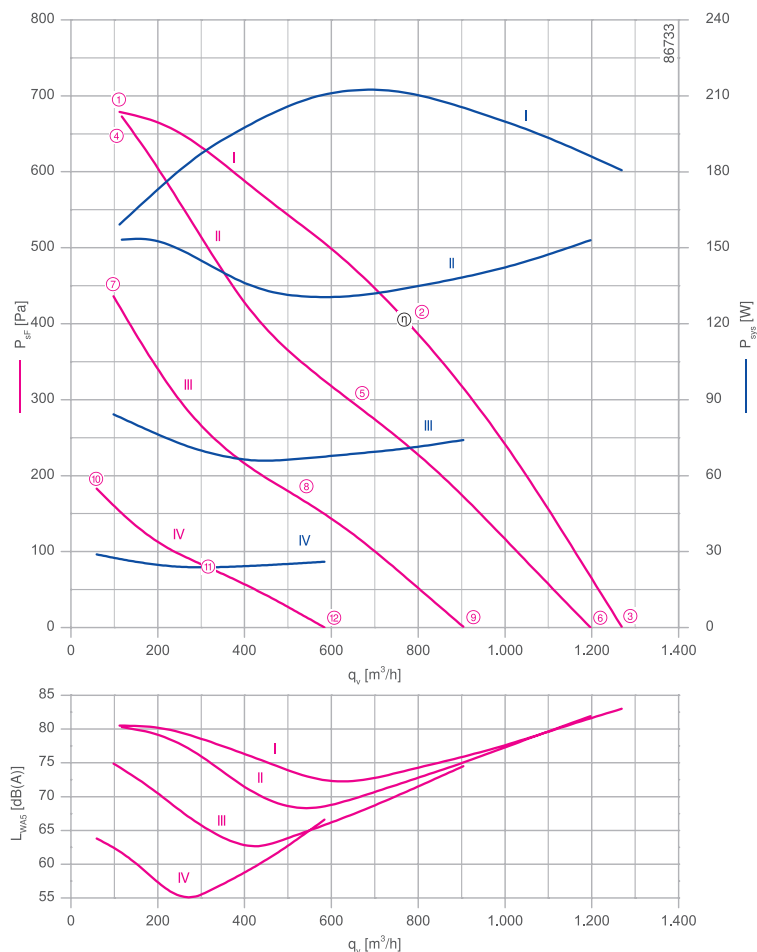
ErP-data

Efficiency η_{statA} : 47.7 %
Efficiency: $N_{actual} = 65.3 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

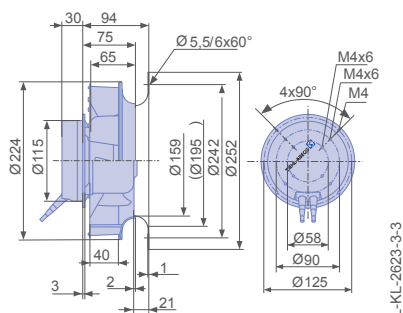


measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00407898	Page 450
➤ Connection diagram	KT00036A	Page 547
➤ System components		Page 448

Dimensions [mm]

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



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		%		I [A]	P _{sys} [W]	L _{WA5} [dB]
RH22V-6IP.0E.1R	I	100	①	1.25	160	81
			②	1.60	210	72
			③	1.35	180	83
	II	80	④	1.25	150	80
			⑤	1.20	160	80
			⑥	1.15	150	82
	III	60	⑦	0.70	85	75
			⑧	0.70	85	75
			⑨	0.64	75	75
	IV	40	⑩	0.26	28	64
			⑪	0.26	28	64
			⑫	0.25	26	67

Current values determined at 230V

Fan ordering information

Design RH*

Installation position H/Vu/Vo



Type RH22V-6IP.0E.1R

Basic electronics

Article no. 113248

Weight [kg] 2.60

* Inlet ring not included

Control technology

Control module



➔ Page 464

Operating terminal



➔ Page 476

Expansion module



➔ Page 473

Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

Control technology

General notes

Vpro-ECblue

for single phase alternating current, 200-277 V

RH22V-6IP



Description

Motor technology: EC

Rated voltage U: 1~200-277 V*

Rated frequency f : 50/60 Hz*

Motor input power P : 0.14 kW

Rated current I: 1.05-0.77 A*

Rated speed n: **3280 min⁻¹**

Thermal class: **THCL155***

Min. permitted ambient temperature t_R : - 5 °C

Max. permitted ambient temperature t_R at n_{max} : 60 °C

Electrical connection: Integrated controller with attached cable

Number of blades : 6

Balancing quality: G 6.3

Protection class: IP44

Motor protection: Integrated active temperature management

Impeller : High Performance Composite Material, uncoated, black

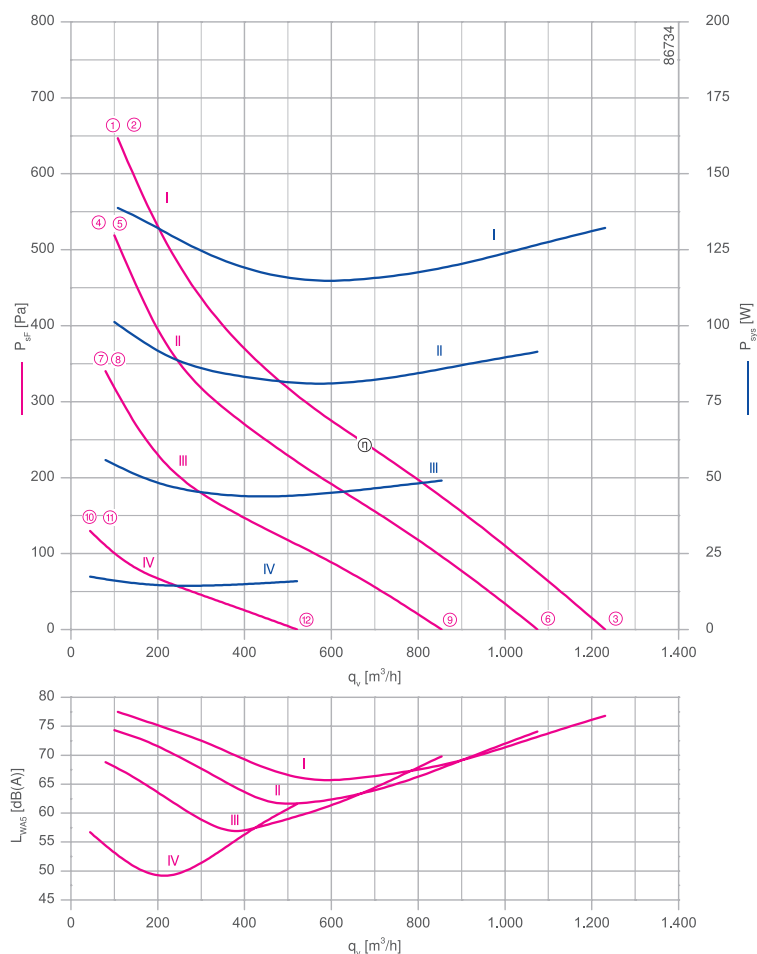
Conformity: CE

ErP-data

Not subject to ErP regulations ($P_1 < 125 \text{ W}$)

*Rated data

Characteristic curve

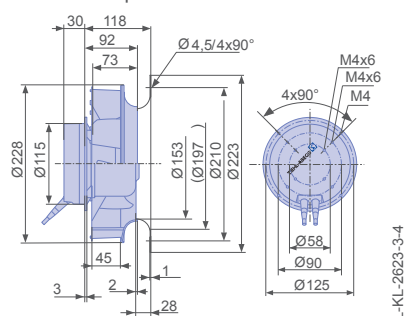


measured with inlet ring, without guard grille according to ISO 5801

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|----------------------|----------|----------|
| ➤ Inlet ring | 00407899 | Page 450 |
| ➤ Connection diagram | KT00036A | Page 547 |
| ➤ System components | | Page 448 |

Dimensions [mm]

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



Performance data

Type	Characteristic curve	Speed %	Operating point	Current	Motor input power	Suction side sound power level
				I [A]	P _{sys} [W]	L _{WA5} [dB]
RH22V-6IP.0B.2R	I	100	①	0.94	140	78
			②	0.94	140	78
			③	0.88	130	77
	II	80	④	0.70	100	74
			⑤	0.70	100	74
			⑥	0.62	90	74
	III	60	⑦	0.40	55	69
			⑧	0.40	55	69
			⑨	0.36	50	70
	IV	40	⑩	0.19	17	57
			⑪	0.19	17	57
			⑫	0.18	16	62

Current values determined at 230V

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
	
Type	RH22V-6IP.0B.2R
Basic electronics	
Article no.	113249
Weight [kg]	2.20
* Inlet ring not included	

Control technology

Control module	Operating terminal	Expansion module
		
➤ Page 464	➤ Page 476	➤ Page 473

RH22V-6IP

