

Vpro-ECblue

for single phase alternating current, 200-277 V

RH35V-6IK



Description

Motor technology: EC

Rated voltage U: 1~200-277 V*

Rated frequency f : 50/60 Hz*

Motor input power P : 0.35 kW

Rated current I: 1.85-1.30 A*

Rated speed n: 1590 min⁻¹

Thermal class: **THCL155***

Min. permitted ambient temperature t_a : -15 °C

Max. permitted ambient temperature $t_{\text{a at n}}$: 60 °C

Electrical connection: Integrated controller with attached

Electrical connection: integrated controller with attached cable

Number of blades : 6

Balancing quality: G 6.3

Protection class: IP54

Motor protection: Integrated active temperature management

Impeller : High Performance Composite Material, uncoated.

Impeller : High performance composite material, uncoated, black

Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 58.7 %

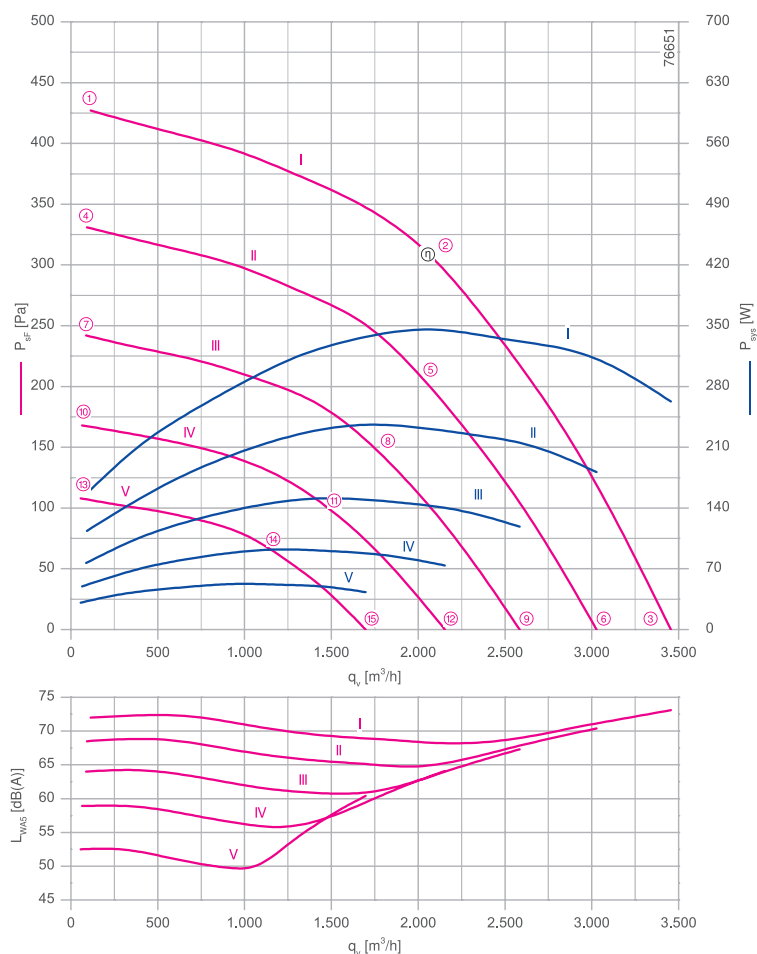
Efficiency: $N_{\text{actual}} = 74.1 / N_{\text{target}} = 62^{**}$

EC controller integrated

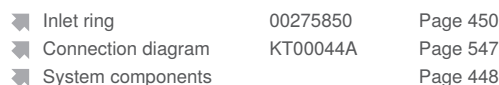
*Rated data

**ErP 2015

Characteristic curve

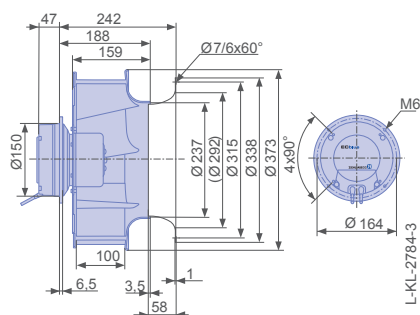


measured with inlet ring, without guard grille according to ISO 5801

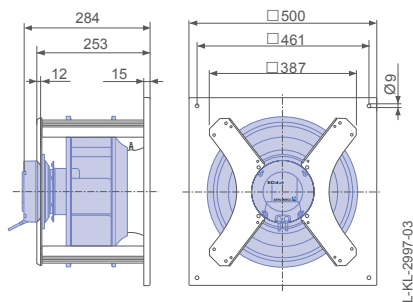


Dimensions [mm]

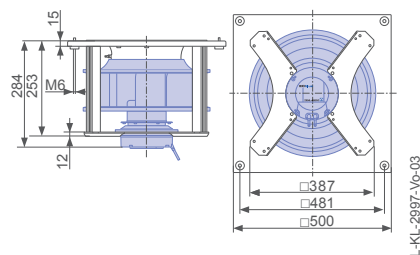
Free-running motor impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position
Vo

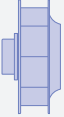
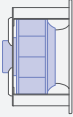
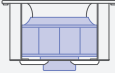
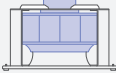


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_35V-6IK.BF.1R	I	1590	①	0.78	160	72
		1590	②	1.60	350	68
		1590	③	1.20	260	73
	II	1400	④	0.56	110	69
		1400	⑤	1.10	240	65
		1400	⑥	0.86	180	70
	III	1200	⑦	0.42	75	64
		1200	⑧	0.72	150	61
		1200	⑨	0.58	120	67
	IV	1000	⑩	0.29	50	59
		1000	⑪	0.48	90	56
		1000	⑫	0.40	75	64
	V	800	⑬	0.20	32	53
		800	⑭	0.30	55	50
		800	⑮	0.27	44	60

Current values determined at 230V

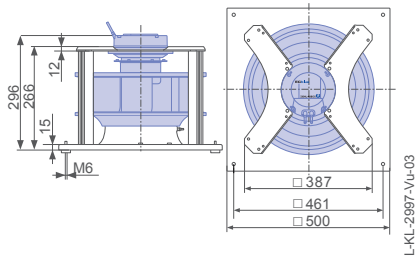
Fan ordering information

Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH35V-6IK.BF.1R	GR35V-6IK.BF.1R	GR35V-6IK.BF.1R	GR35V-6IK.BF.1R
Basic electronics				
Article no.	113855	114949/H01	114949/O01	114949/U01
Weight [kg]	5.90	13.00	13.00	13.00
* Inlet ring not included				
** Inlet ring integrated				

Control technology

Control module	Operating terminal	Expansion module
		
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Ventilation unit GR in installation position
Vu



Vpro-ECblue

for single phase alternating current, 200-277 V

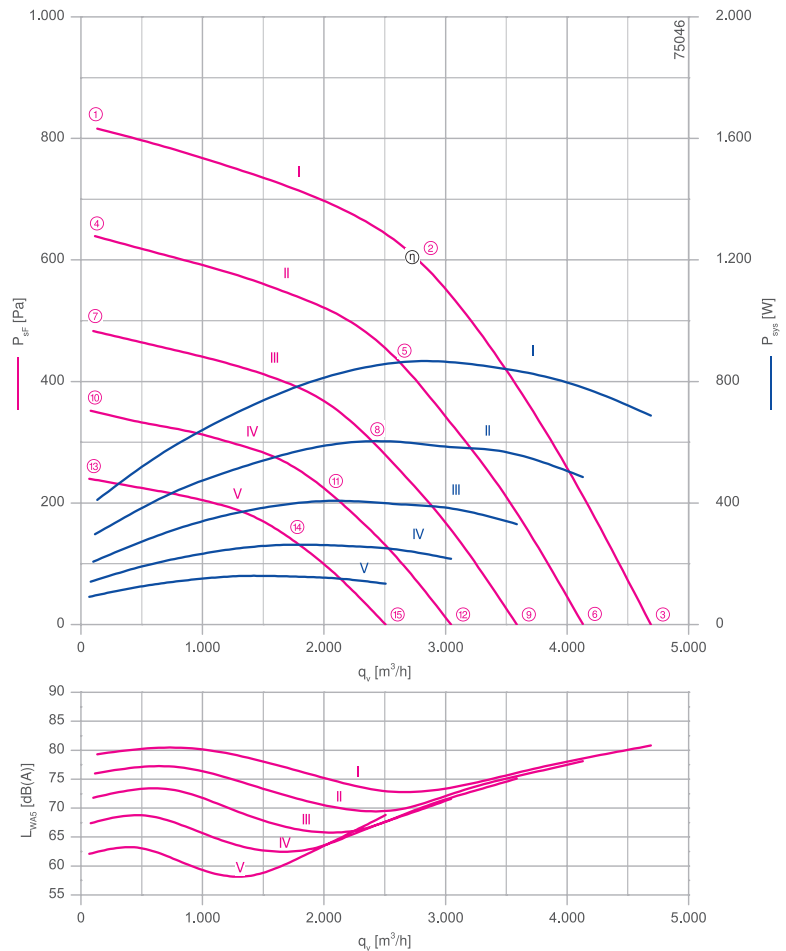
RH35V-ZIK



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 0.86 kW*
Rated current I: 4.40-3.20 A*
Rated speed n: 2200 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R1} : -15 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 60 °C
Electrical connection: integrated Controller
Number of blades : 6
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} : 59.7 %
Efficiency: $N_{actual} = 70.8 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

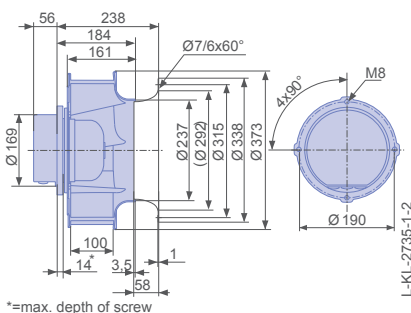


measured in inlet ring without guard grille according to ISO 5801

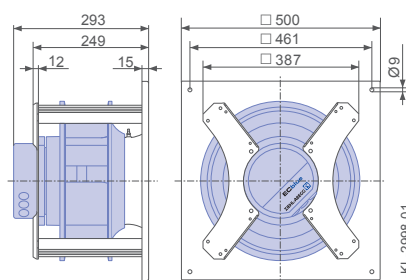
➤ Inlet ring	00275850	Page 148
➤ Connection diagram	1360-401	Page 548
➤ System components		Page 448

Dimensions [mm]

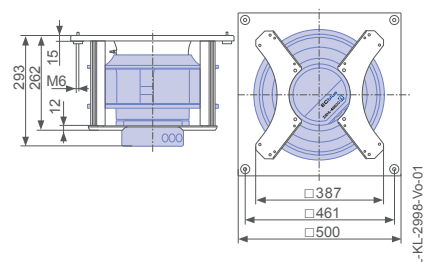
Free-running motor impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position Vo

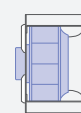
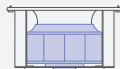


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_35V-ZIK.DC.1R	I	2200	①	1.90	400	79
		2200	②	3.90	860	73
		2200	③	3.10	680	81
	II	1950	④	1.40	300	76
		1950	⑤	2.80	600	70
		1950	⑥	2.30	480	78
	III	1700	⑦	0.94	210	72
		1700	⑧	1.90	400	66
		1700	⑨	1.55	330	75
	IV	1450	⑩	0.66	140	67
		1450	⑪	1.25	260	63
		1450	⑫	1.00	220	72
	V	1200	⑬	0.48	90	62
		1200	⑭	0.74	160	58
		1200	⑮	0.64	130	69

Current values determined at 230V

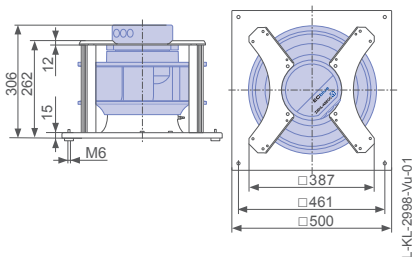
Fan ordering information

Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH35V-ZIK.DC.1R	GR35V-ZIK.DC.1R	GR35V-ZIK.DC.1R	GR35V-ZIK.DC.1R
Basic electronics				
Article no.	113468	114950/H01	114950/O01	114950/U01
Premium electronics				
Article no.	113497			
Weight [kg]	9.00	16.00	16.00	16.00
* Inlet ring not included				
** Inlet ring integrated				

Control technology

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

Ventilation unit GR in installation position
Vu



Vpro-ECblue

for three phase alternating current, 200-240 V

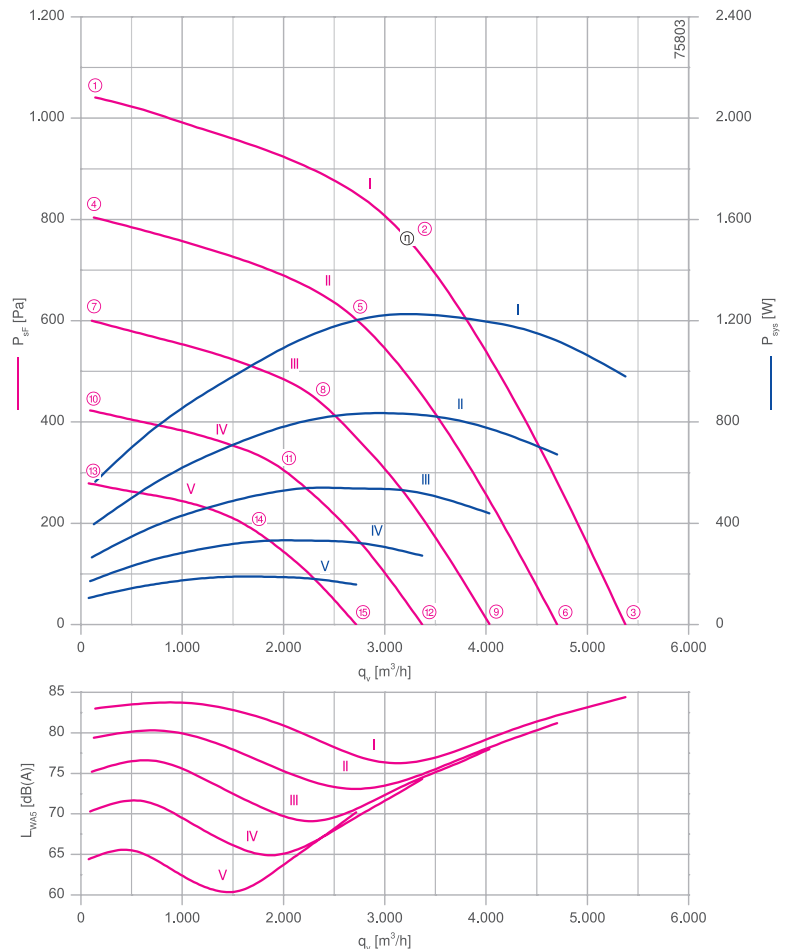
RH35V-ZIK



Description

Motor technology: EC
Rated voltage U: **3~200-240 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **1.25 kW***
Rated current I: **3.80-3.20 A***
Rated speed n: **2500 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R1} : **-15 °C**
Max. permitted ambient temperature t_{R2} at n_{max} : **60 °C**
Electrical connection: integrated Controller
Number of blades : 6
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} : **62.9 %**
Efficiency: $N_{actual} = 72.6 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

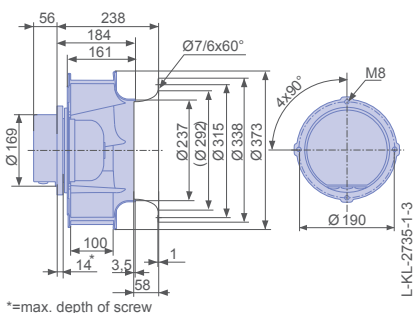
Characteristic curve



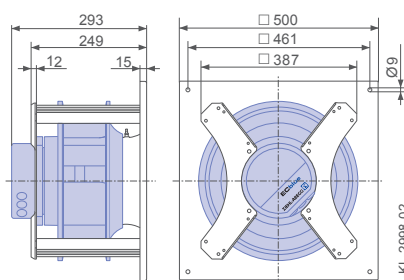
➤ Inlet ring	00275850	Page 450
➤ Connection diagram	1360-401	Page 548
➤ System components		Page 448

Dimensions [mm]

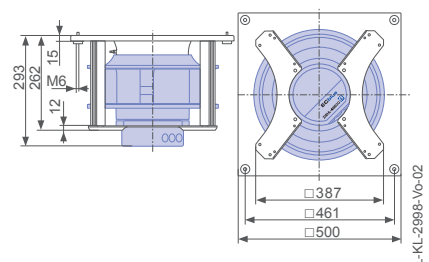
Free-running motor impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position Vo

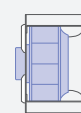
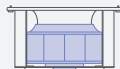


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_35V-ZIK.DC.1R	I	2500	①	1.50	560	83
		2500	②	3.30	1250	76
		2500	③	2.60	980	84
	II	2200	④	1.10	400	79
		2200	⑤	2.20	840	73
		2200	⑥	1.80	680	81
	III	1900	⑦	0.76	270	75
		1900	⑧	1.45	540	69
		1900	⑨	1.20	440	78
	IV	1600	⑩	0.54	170	70
		1600	⑪	0.94	330	69
		1600	⑫	0.78	270	74
	V	1300	⑬	0.38	100	64
		1300	⑭	0.60	190	65
		1300	⑮	0.52	160	70

Current values determined at 230V

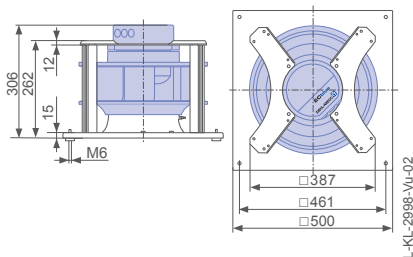
Fan ordering information

Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH35V-ZIK.DC.1R	GR35V-ZIK.DC.1R	GR35V-ZIK.DC.1R	GR35V-ZIK.DC.1R
Basic electronics				
Article no.	113529	114951/H01	114951/O01	114951/U01
Premium electronics				
Article no.	113530			
Weight [kg]	9.00	16.00	16.00	16.00
* Inlet ring not included				
** Inlet ring integrated				

Control technology

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

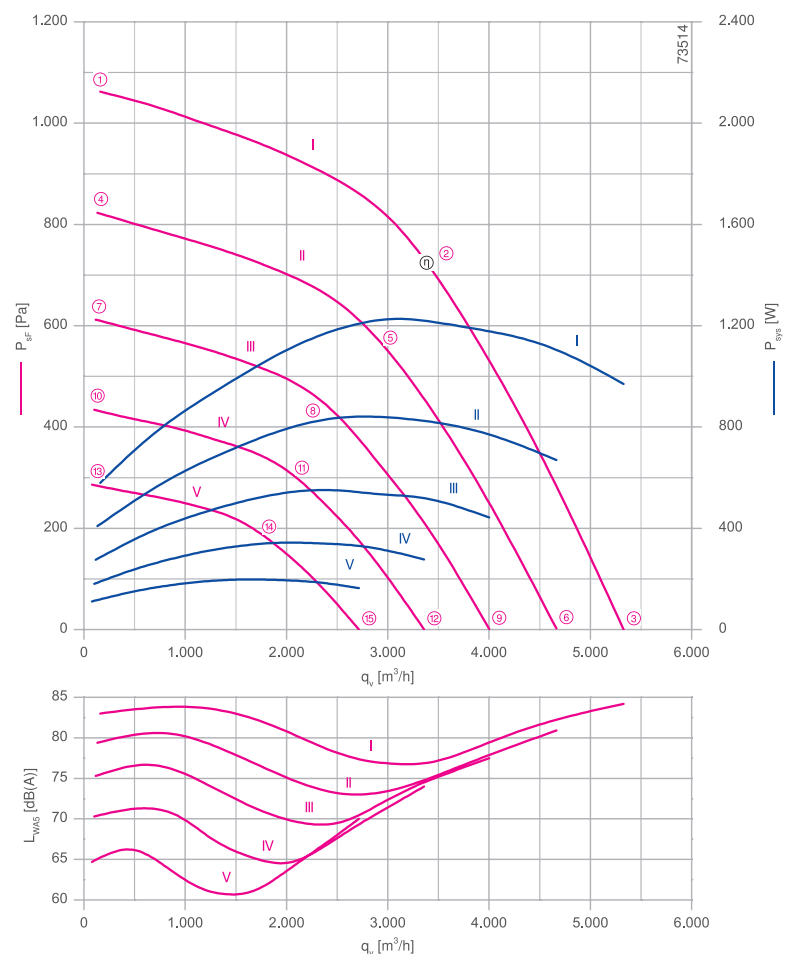
Ventilation unit GR in installation position
Vu



RH35V-ZIK



**ErP 2015



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

- | | | |
|----------------------|----------|----------|
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| ➤ Connection diagram | 1360-401 | Page 548 |
| ➤ System components | | Page 448 |

Technical drawing of the L-KL-2735-1-1, showing a side view and a top view. The side view includes dimensions: 56, 238, 184, 161, 100, 14, 3.5, 58, 1, 169, 237, 292, 315, 338, 373, 190, 4x90, M8, and Ø7/6x60°. The top view shows a circular flange with a diameter of 190 and a central hole of Ø7/6x60°. The drawing is labeled L-KL-2735-1-1.

