

Cpro-ECblue

for three phase alternating current, 200-240 V

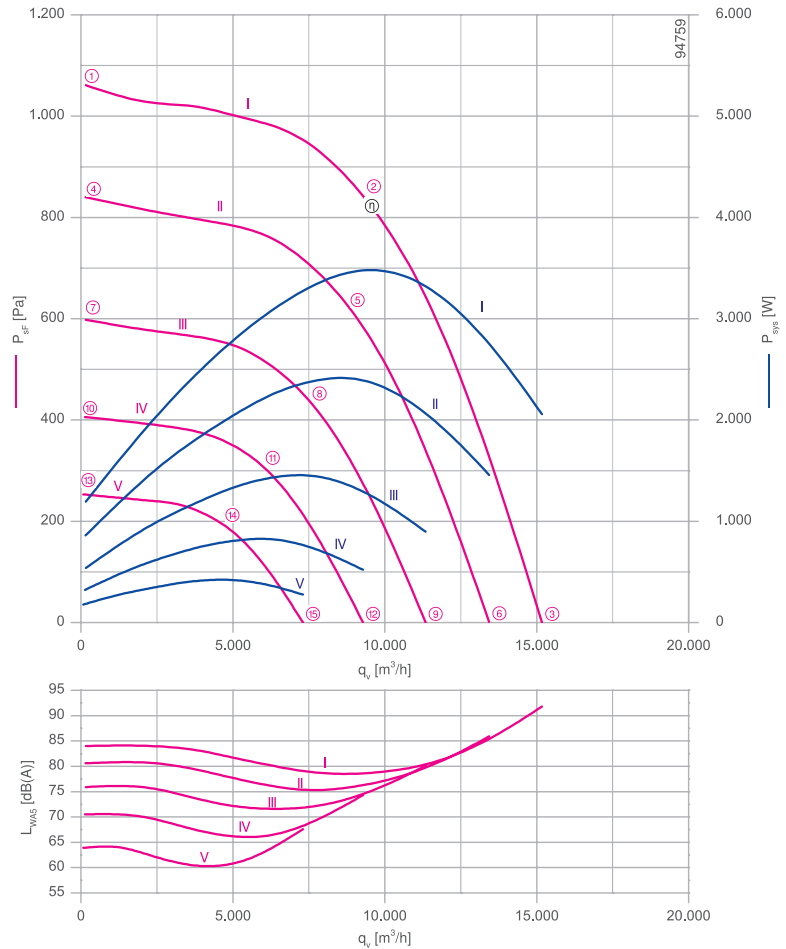
RH56C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~200-240 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.50 kW***
Rated current I: **10.50-8.80 A***
Rated speed n: **1530 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R1} : -20 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 40 °C
Electrical connection: integrated Controller
Number of blades : 7
Balancing quality: G 2.5
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : ZAmid, uncoated, Ultramarine blue
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 67.5 %
Efficiency: $N_{actual} = 72.4 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

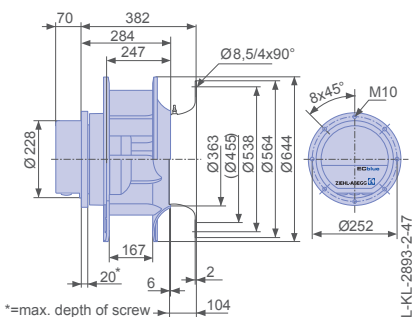


measured with inlet ring, without guard grille according to ISO 5801

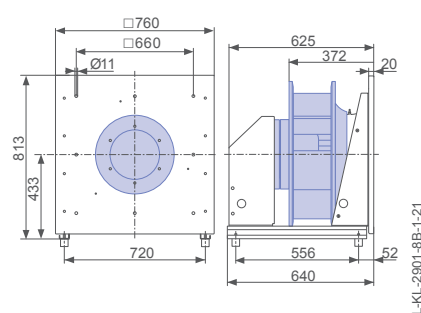
➤ Inlet ring	00401300	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

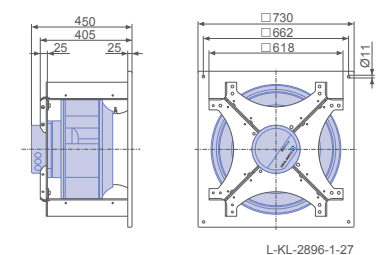
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

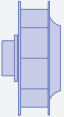
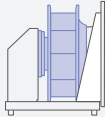
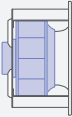
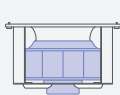
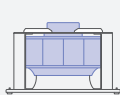


Performance data

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]
__56C-ZIK.GG.CR	I	1530	①	3.20	1200	84	40
		1530	②	9.20	3500	79	
		1530	③	5.40	2100	92	
	II	1360	④	2.30	860	81	60
		1360	⑤	6.40	2400	76	
		1360	⑥	3.80	1450	86	
	III	1150	⑦	1.45	540	76	
		1150	⑧	3.80	1450	72	
		1150	⑨	2.40	900	80	
	IV	950	⑩	0.94	320	71	
		950	⑪	2.20	820	66	
		950	⑫	1.40	520	74	
	V	750	⑬	0.60	180	64	
		750	⑭	1.20	420	61	
		750	⑮	0.82	280	68	

Current values determined at 230V

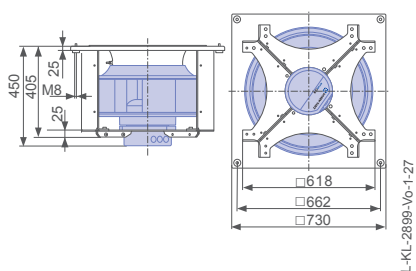
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZIK.GG.CR	ER56C-ZIK.GG.CR	GR56C-ZIK.GG.CR	GR56C-ZIK.GG.CR	GR56C-ZIK.GG.CR
Basic electronics					
Article no.	114625	114673/A01	114653/H01	114653/O01	114653/U01
Premium electronics					
Article no.	114626				
Weight [kg]	27.00	56.00	57.00	58.00	58.00
* Inlet ring not included					
** Inlet ring integrated					

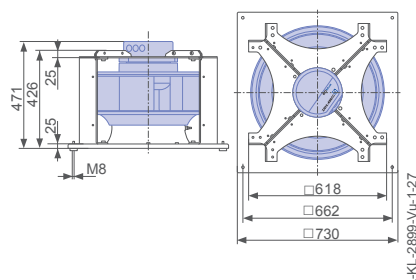
Control technology

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



Ventilation unit GR in installation position Vu



Cpro-ECblue

for three phase alternating current, 380-480 V

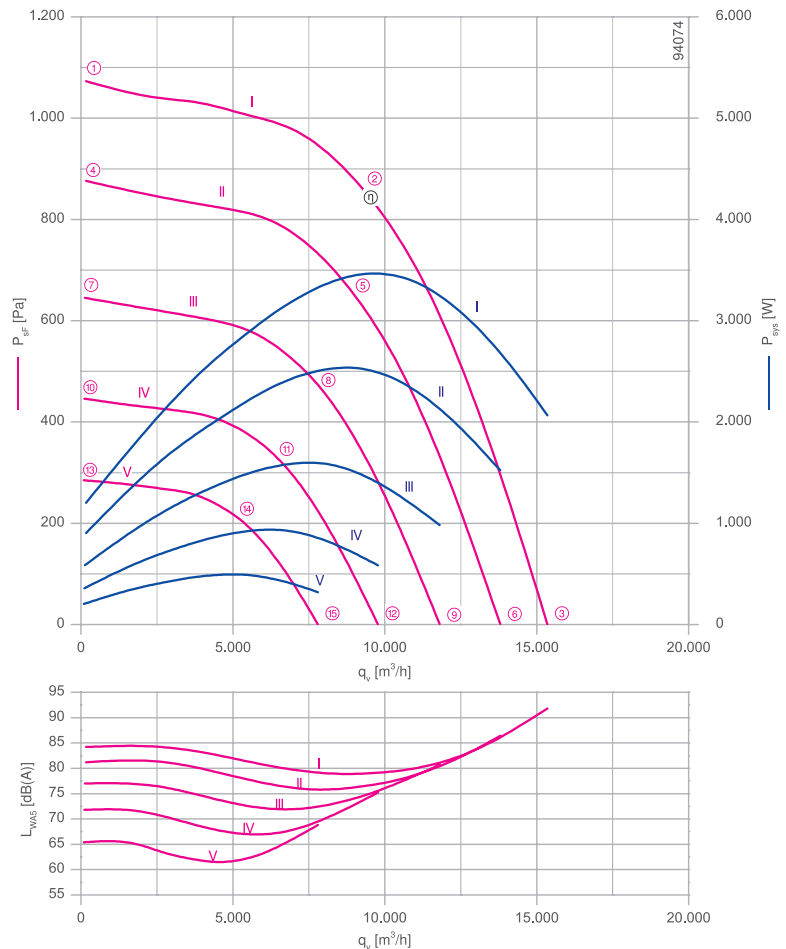
RH56C-ZIK



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: **1550 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R1} : -20 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 45 °C
Electrical connection: integrated Controller
Number of blades : 7
Balancing quality: G 2.5
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : ZAmid, uncoated, Ultramarine blue
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 69.3 %
Efficiency: $N_{actual} = 74.2 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

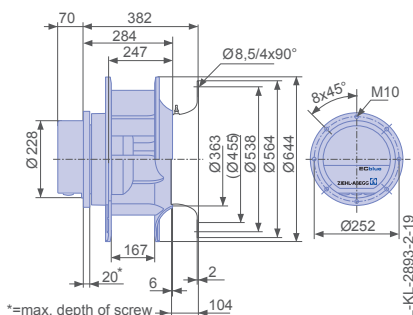


measured with inlet ring, without guard grille according to ISO 5801

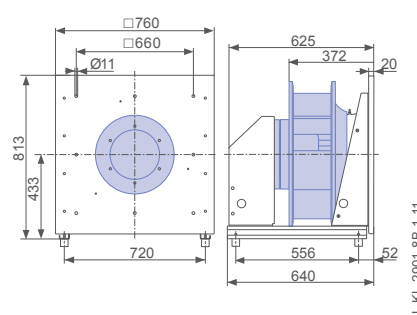
➤ Inlet ring	00401300	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber damper	30x30 / 40	Page 454
➤ Spring damper	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

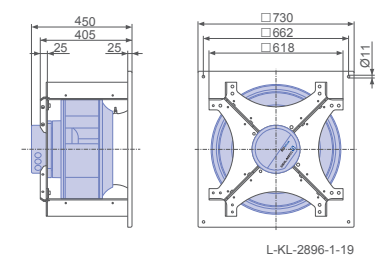
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

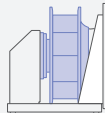
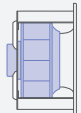
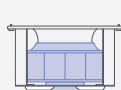
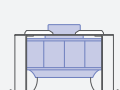


Performance data

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]
__56C-ZIK.GG.CR	I	1550	①	1.90	1200	84	45
		1550	②	5.20	3500	79	
		1550	③	3.20	2100	92	
	II	1400	④	1.50	900	81	60
		1400	⑤	3.90	2500	76	
		1400	⑥	2.40	1500	86	
	III	1200	⑦	1.05	580	77	
		1200	⑧	2.50	1600	73	
		1200	⑨	1.60	980	81	
	IV	1000	⑩	0.74	360	72	
		1000	⑪	1.55	940	67	
		1000	⑫	1.05	580	75	
	V	800	⑬	0.52	200	65	
		800	⑭	0.92	500	62	
		800	⑮	0.70	320	69	

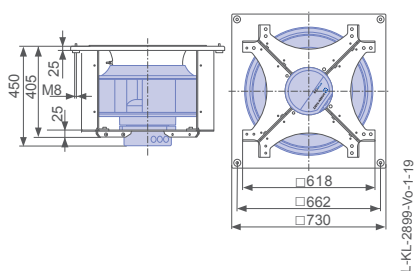
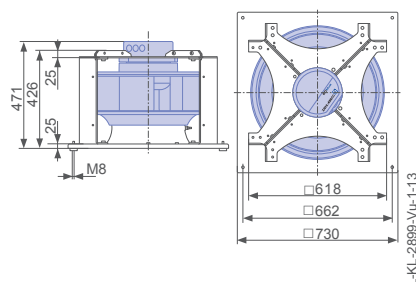
Current values determined at 400V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZIK.GG.CR	ER56C-ZIK.GG.CR	GR56C-ZIK.GG.CR	GR56C-ZIK.GG.CR	GR56C-ZIK.GG.CR
Basic electronics					
Article no.	114627	114674/A01	114654/H01	114654/O01	114654/U01
Premium electronics					
Article no.	114628				
Weight [kg]	27.00	56.00	57.00	58.00	58.00
* 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
VoVentilation unit GR in installation position
Vu

Cpro-ECblue

for three phase alternating current, 380-480 V

RH56C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **5,40 kW***
Rated current I: **8.60-6.80 A***
Rated speed n: **1800 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R1} : -20 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 40 °C
Electrical connection: integrated Controller
Number of blades : 7
Balancing quality: G 2.5
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : ZAmid, uncoated, Ultramarine blue
Conformity: ErP 2015, CE

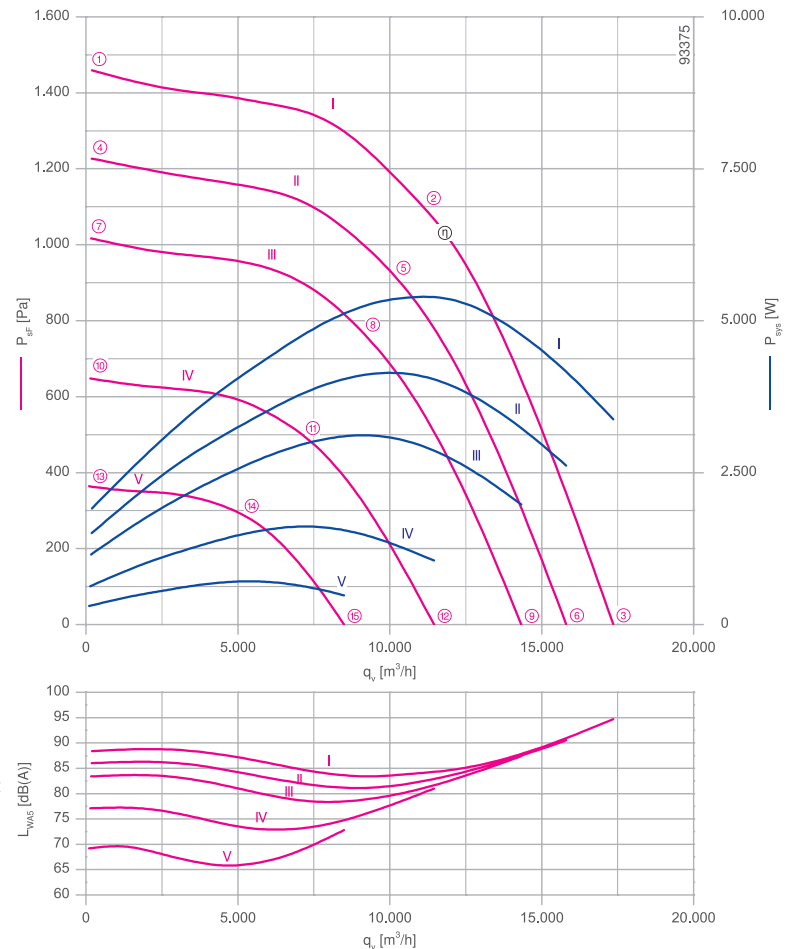
ErP-data

Efficiency η_{statA} : 67.1 %
Efficiency: $N_{actual} = 70.0 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

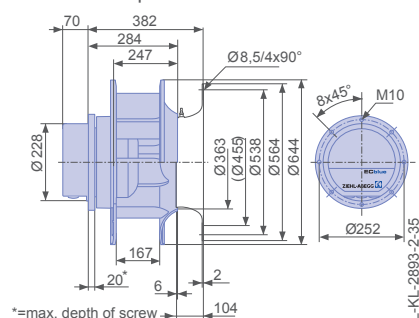


measured with inlet ring, without guard grille according to ISO 5801

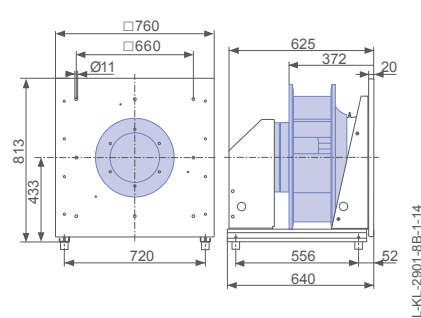
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➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

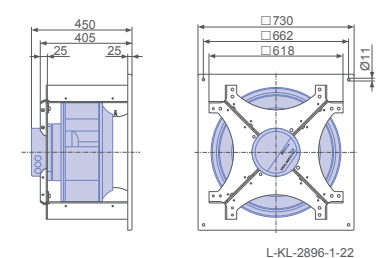
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

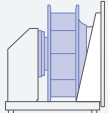
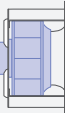
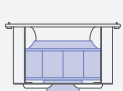
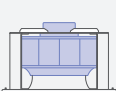


Performance data

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]
__56C-ZIK.GL.CR	I	1800	①	3.00	1900	88	40
		1800	②	8.20	5400	84	
		1800	③	5.20	3400	95	
	II	1650	④	2.40	1500	86	60
		1650	⑤	6.40	4200	82	
		1650	⑥	4.00	2600	91	
	III	1500	⑦	1.85	1150	83	
		1500	⑧	4.80	3100	79	
		1500	⑨	3.00	2000	87	
	IV	1200	⑩	1.15	620	77	
		1200	⑪	2.50	1600	74	
		1200	⑫	1.70	1050	81	
	V	900	⑬	0.70	300	69	
		900	⑭	1.25	720	66	
		900	⑮	0.92	480	73	

Current values determined at 400V

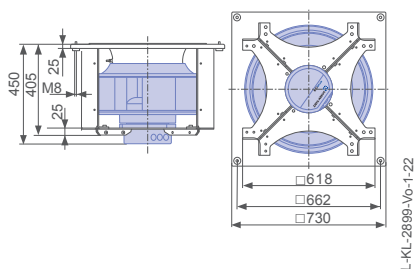
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZIK.GL.CR	ER56C-ZIK.GL.CR	GR56C-ZIK.GL.CR	GR56C-ZIK.GL.CR	GR56C-ZIK.GL.CR
Basic electronics					
Article no.	114713	114734/A01	114725/H01	114725/O01	114725/U01
Premium electronics					
Article no.	114714				
Weight [kg]	31.00	51.00	61.00	62.00	62.00
* 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 Vo



Ventilation unit GR in installation position Vu

