

Cpro-ECblue

for three phase alternating current, 200-240 V

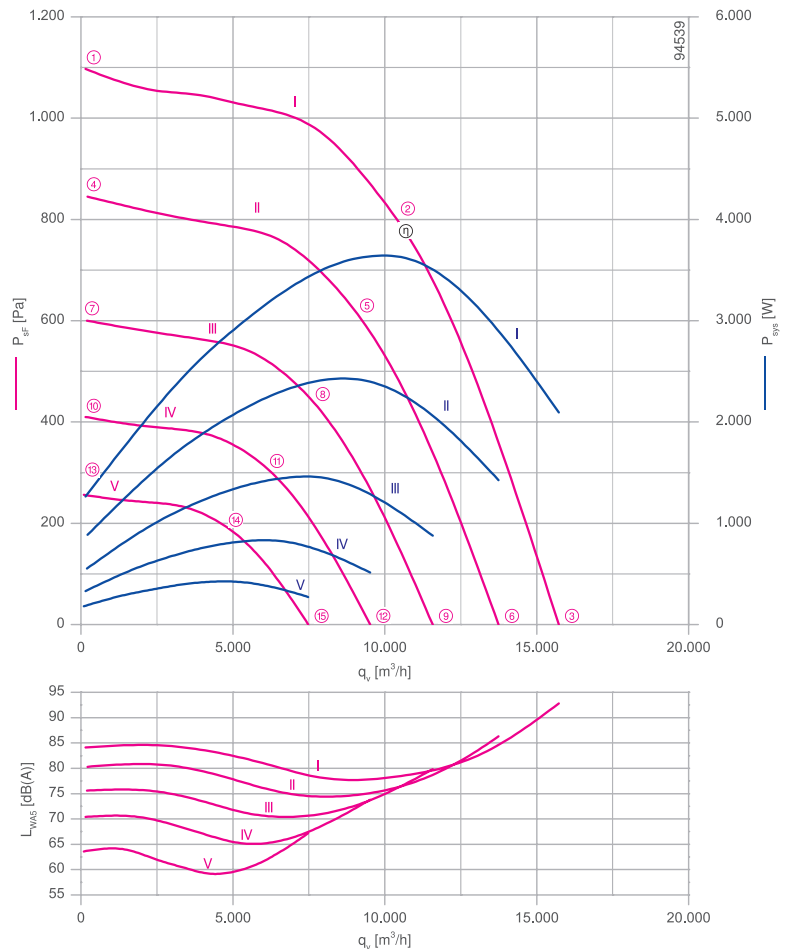
RH56C-ZID



Description

Motor technology: EC
Rated voltage U: **3~200-240 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.60 kW***
Rated current I: **11.00-9.20 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} : 50 °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} : 68.4 %
Efficiency: $N_{actual} = 73.0 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

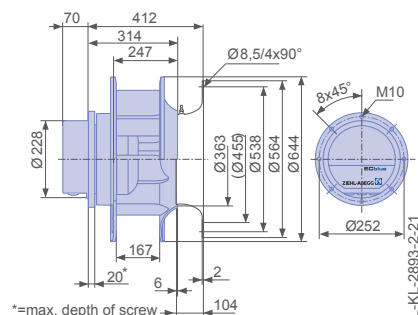


measured with inlet ring, without guard grille according to ISO 5801

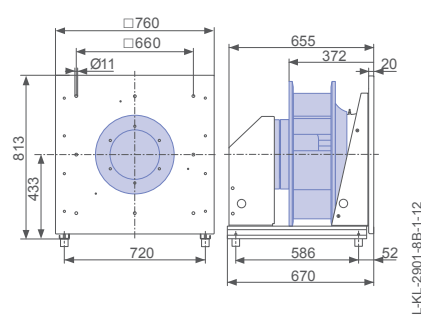
➤ Inlet ring	00401300	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

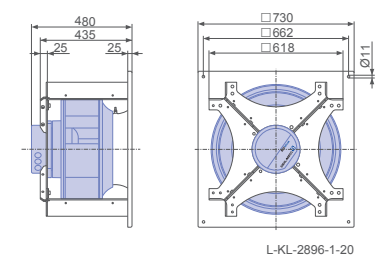
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

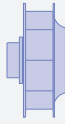
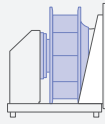
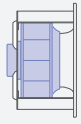
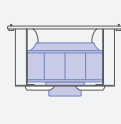
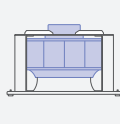


Performance data

Type	Characteristic curve	Speed	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]	
_56C-ZID.GG.CR	I	1550	①	3.40	1250	84	50
		1550	②	9.60	3600	78	
		1550	③	5.60	2100	93	
	II	1360	④	2.40	880	80	60
		1360	⑤	6.40	2400	74	
		1360	⑥	3.80	1450	86	
	III	1150	⑦	1.50	560	76	
		1150	⑧	3.80	1450	71	
		1150	⑨	2.30	880	80	
	IV	950	⑩	0.96	330	70	
		950	⑪	2.20	840	65	
		950	⑫	1.40	520	74	
	V	750	⑬	0.60	180	64	
		750	⑭	1.20	420	60	
		750	⑮	0.82	270	67	

Current values determined at 230V

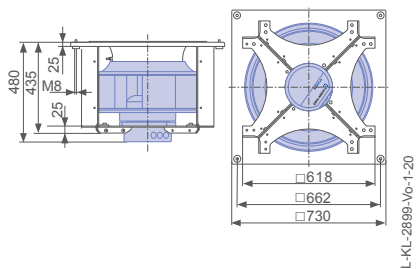
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZID.GG.CR	ER56C-ZID.GG.CR	GR56C-ZID.GG.CR	GR56C-ZID.GG.CR	GR56C-ZID.GG.CR
Basic electronics					
Article no.	114629	114675/A01	114655/H01	114655/O01	114655/U01
Premium electronics					
Article no.	114630				
Weight [kg]	27.00	57.00	58.00	59.00	59.00
* Inlet ring not included					
** Inlet ring integrated					

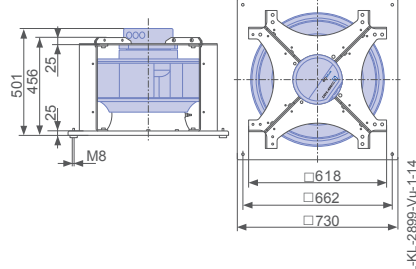
Control technology

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



Cpro-ECblue

for three phase alternating current, 380-480 V

RH56C-ZID



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.40 kW***
Rated current I: **5.40-4.20 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

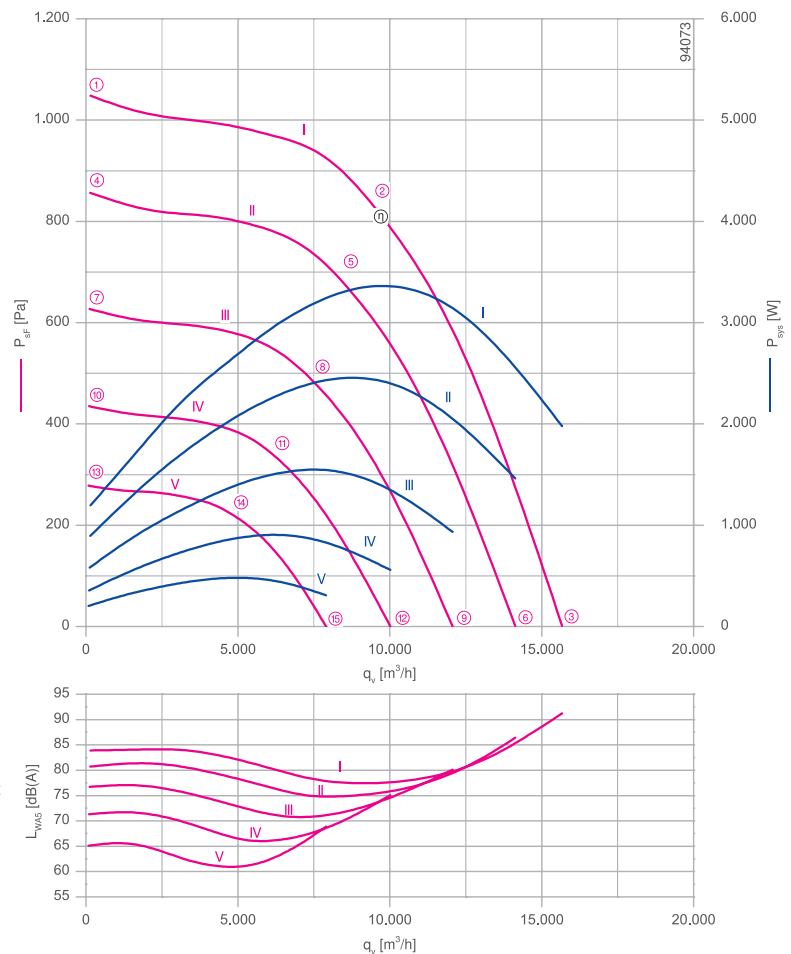
ErP-data

Efficiency η_{statA} : 70.2 %
Efficiency: $N_{actual} = 75.2 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

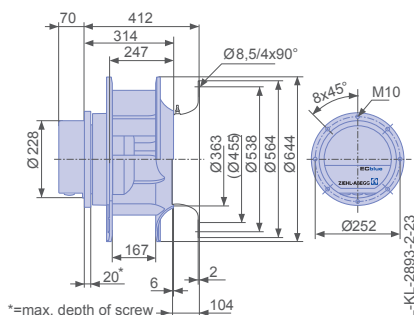


measured with inlet ring, without guard grille according to ISO 5801

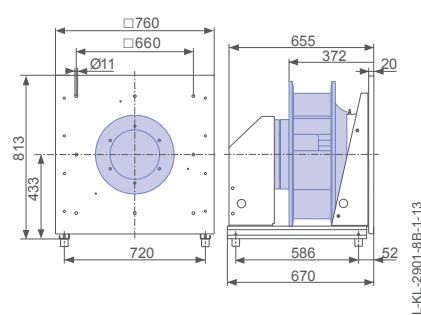
➤ Inlet ring	00401300	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

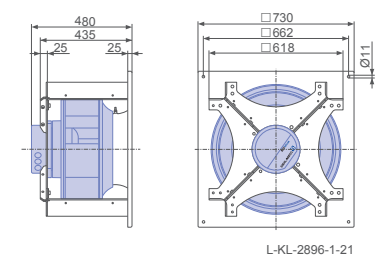
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

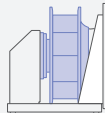
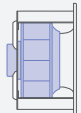
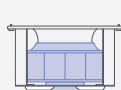
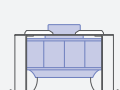


Performance data

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-ZID.GG.CR	I	1550	①	1.90	1200	84	45
		1550	②	5.20	3400	78	
		1550	③	3.00	2000	91	
	II	1400	④	1.50	900	81	60
		1400	⑤	3.80	2500	75	
		1400	⑥	2.30	1450	86	
	III	1200	⑦	1.05	580	77	
		1200	⑧	2.40	1550	71	
		1200	⑨	1.55	940	80	
	IV	1000	⑩	0.74	360	71	
		1000	⑪	1.50	900	66	
		1000	⑫	1.00	560	75	
	V	800	⑬	0.50	200	65	
		800	⑭	0.92	480	61	
		800	⑮	0.68	310	69	

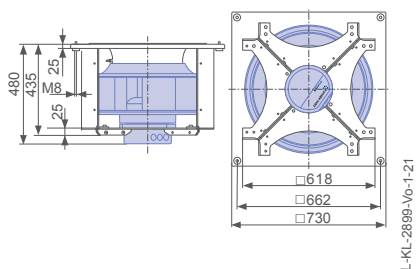
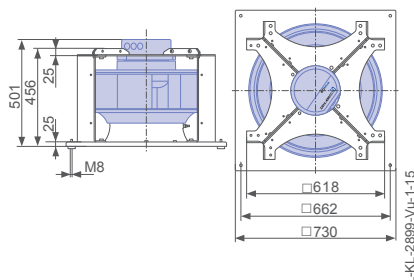
Current values determined at 400V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZID.GG.CR	ER56C-ZID.GG.CR	GR56C-ZID.GG.CR	GR56C-ZID.GG.CR	GR56C-ZID.GG.CR
Basic electronics					
Article no.	114631	114676/A01	114656/H01	114656/O01	114656/U01
Premium electronics					
Article no.	114632				
Weight [kg]	27.00	57.00	58.00	59.00	59.00
* 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-ZID



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **5,00 kW***
Rated current I: **8.00-6.40 A***
Rated speed n: **1750 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

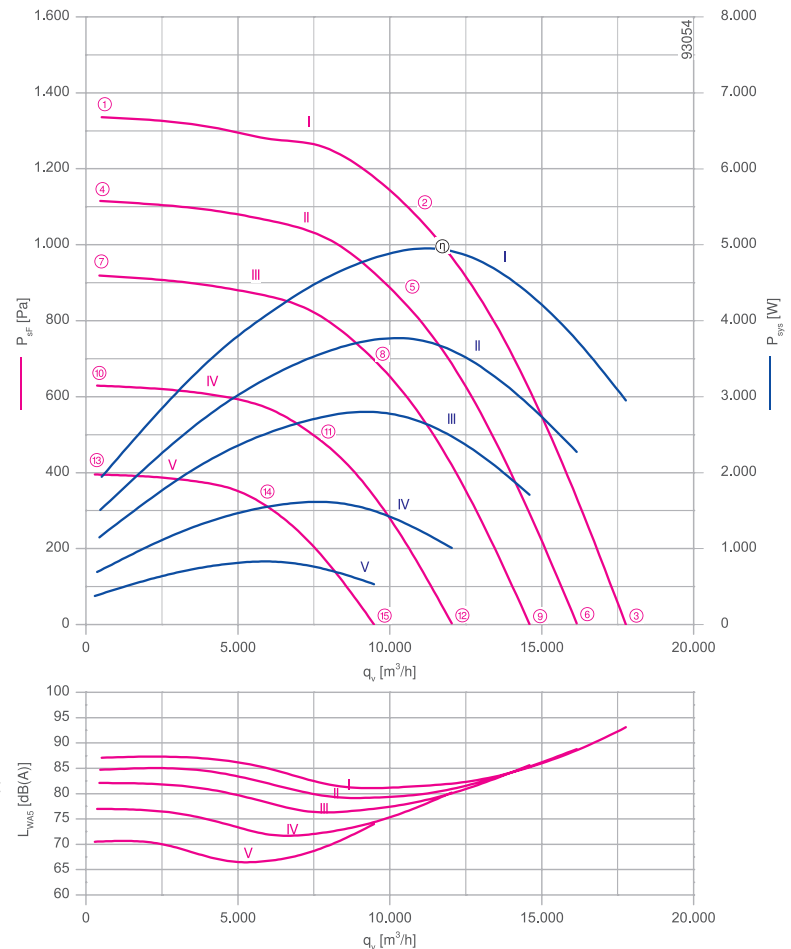
ErP-data

Efficiency η_{statA} : 70.2 %
Efficiency: $N_{actual} = 73.4 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

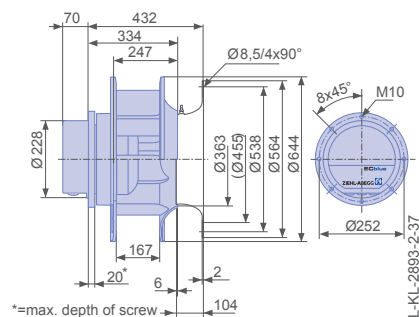


measured with inlet ring, without guard grille according to ISO 5801

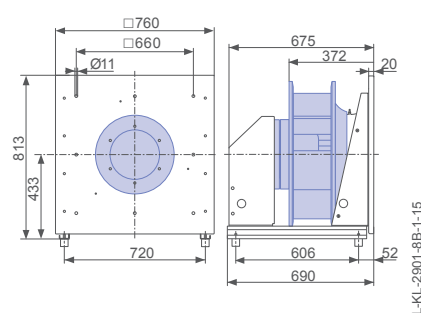
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Dimensions [mm]

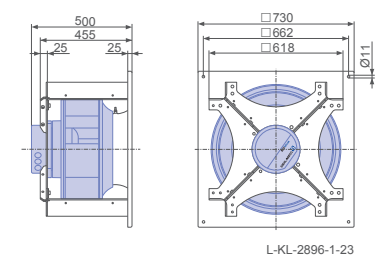
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

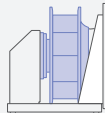
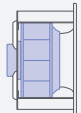
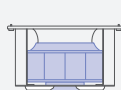
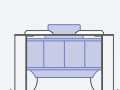


Performance data

Type	Characteristic curve	Speed	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]	t _R [°C]
_56C-ZID.GL.CR	I	1750	①	3.00	1950	87	40
		1750	②	7.60	5000	82	
		1750	③	4.60	2900	93	
	II	1600	④	2.40	1500	85	60
		1600	⑤	5.80	3800	79	
		1600	⑥	3.50	2300	89	
	III	1450	⑦	1.85	1150	82	
		1450	⑧	4.20	2800	77	
		1450	⑨	2.70	1700	86	
	IV	1200	⑩	1.25	700	77	
		1200	⑪	2.50	1600	72	
		1200	⑫	1.65	1000	80	
	V	950	⑬	0.80	380	71	
		950	⑭	1.40	840	67	
		950	⑮	1.00	540	74	

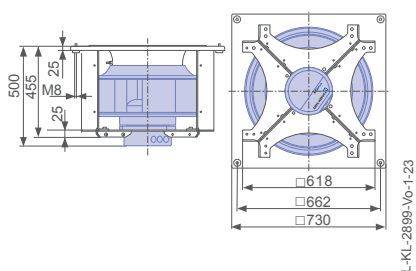
Current values determined at 400V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH56C-ZID.GL.CR	ER56C-ZID.GL.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR
Basic electronics					
Article no.	114715	114735/A01	114726/H01	114726/O01	114726/U01
Premium electronics					
Article no.	114716				
Weight [kg]	32.00	61.00	63.00	63.00	63.00
* 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