

Cpro-ECblue

for three phase alternating current, 200-240 V

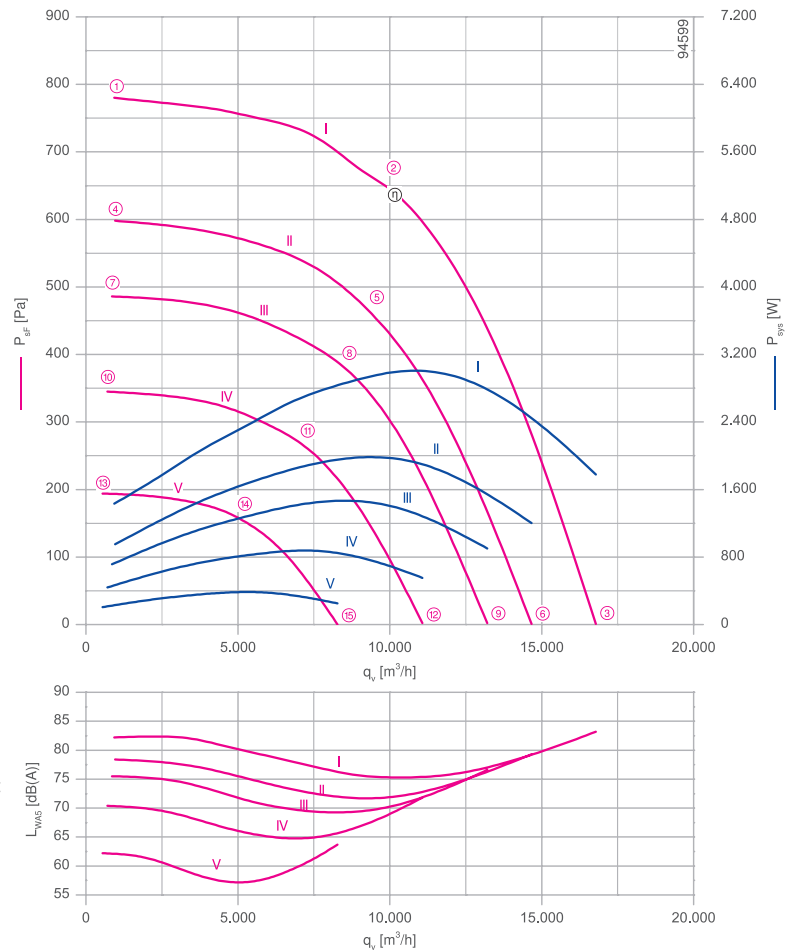
RH63C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~200-240 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.00 kW***
Rated current I: **9.00-7.60 A***
Rated speed n: **1200 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} : 65.1 %
Efficiency: $N_{actual} = 70.6 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

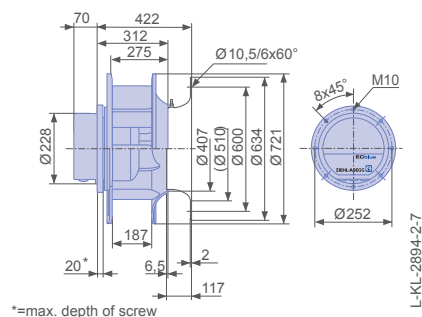
Characteristic curve



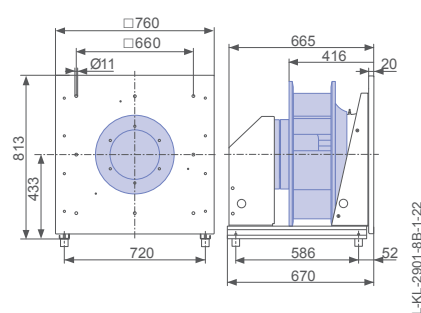
➤ Inlet ring	00401301	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

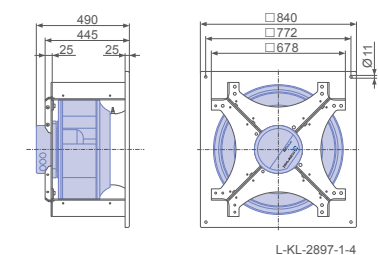
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

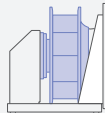
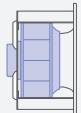
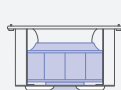
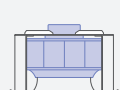


Performance data

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]
_63C-ZIK.GG.CR	I	1200	①	3.80	1450	82	40
		1200	②	7.80	3000	75	
		1200	③	4.60	1800	83	
	II	1050	④	2.50	960	78	60
		1050	⑤	5.20	2000	72	
		1050	⑥	3.20	1200	79	
	III	950	⑦	1.90	720	76	
		950	⑧	3.90	1450	69	
		950	⑨	2.40	900	77	
	IV	800	⑩	1.25	440	70	
		800	⑪	2.30	880	65	
		800	⑫	1.50	560	72	
	V	600	⑬	0.66	210	62	
		600	⑭	1.10	390	57	
		600	⑮	0.76	250	64	

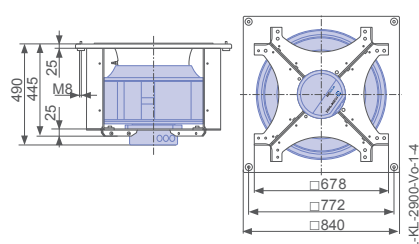
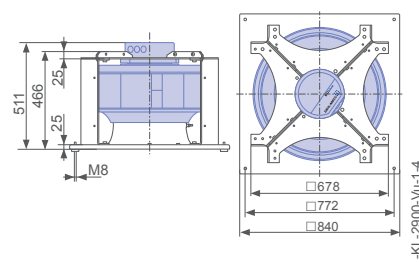
Current values determined at 230V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH63C-ZIK.GG.CR	ER63C-ZIK.GG.CR	GR63C-ZIK.GG.CR	GR63C-ZIK.GG.CR	GR63C-ZIK.GG.CR
Basic electronics					
Article no.	114633	114677/A01	114657/H01	114657/O01	114657/U01
Premium electronics					
Article no.	114634				
Weight [kg]	31.00	61.00	68.00	69.00	69.00
* 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, 200-240 V

RH63C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~200-240 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.70 kW***
Rated current I: **12.00-10.00 A***
Rated speed n: **1300 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

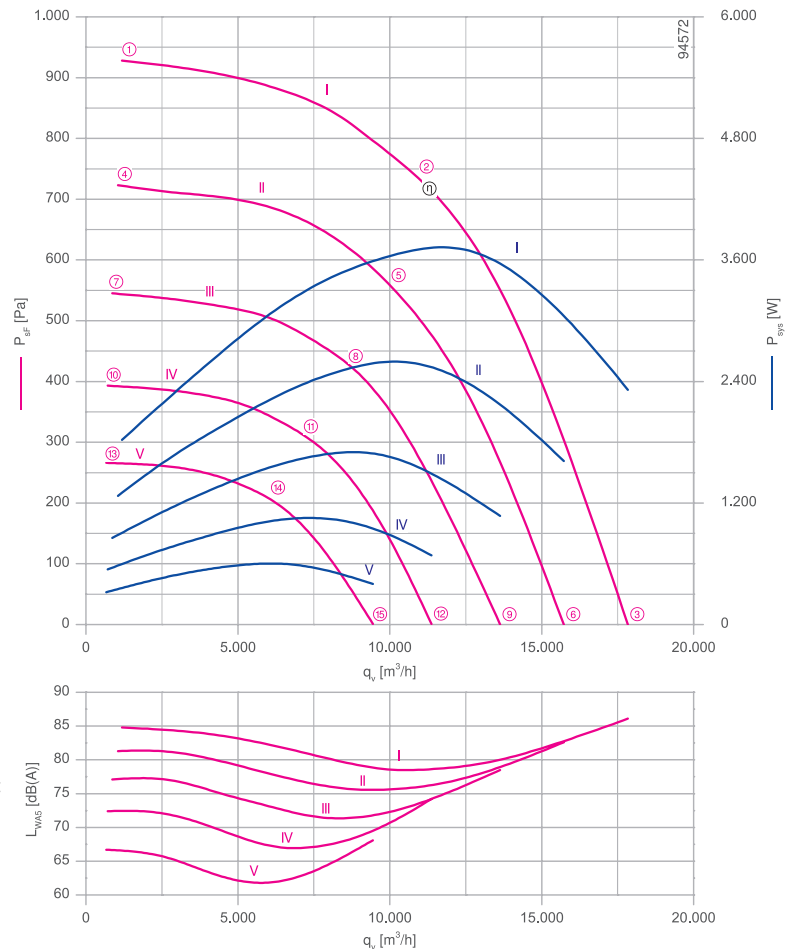
ErP-data

Efficiency η_{statA} : 65.1 %
Efficiency: $N_{actual} = 69.6 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

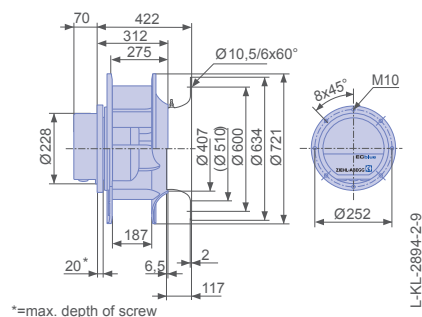


measured with inlet ring, without guard grille according to ISO 5801

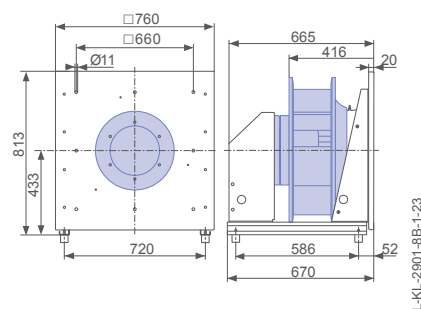
➤ Inlet ring	00401301	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

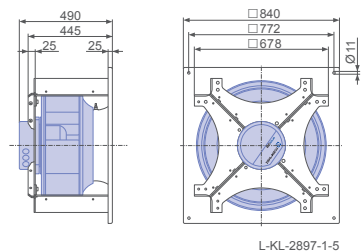
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

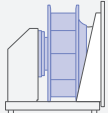
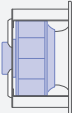
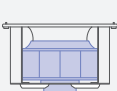
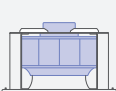


Performance data

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]
_63C-ZIK.GL.CR	I	1300	①	5.00	1800	85	45
		1300	②	10.00	3700	79	
		1300	③	6.40	2300	86	
	II	1150	④	3.50	1250	81	60
		1150	⑤	7.20	2600	76	
		1150	⑥	4.40	1600	83	
	III	1000	⑦	2.40	860	77	
		1000	⑧	4.60	1700	72	
		1000	⑨	2.90	1050	79	
	IV	850	⑩	1.55	540	72	
		850	⑪	2.90	1050	67	
		850	⑫	1.90	680	74	
	V	700	⑬	0.94	320	67	
		700	⑭	1.70	600	62	
		700	⑮	1.15	400	68	

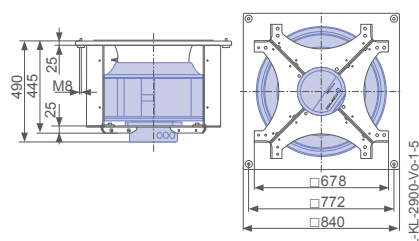
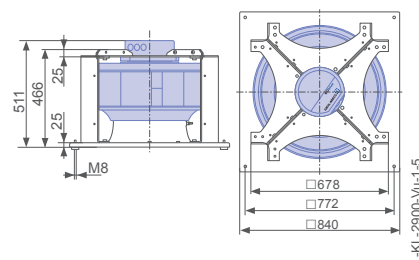
Current values determined at 230V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH63C-ZIK.GL.CR	ER63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR
Basic electronics					
Article no.	114637	114679/A01	114659/H01	114659/O01	114659/U01
Premium electronics					
Article no.	114638				
Weight [kg]	36.00	65.00	72.00	73.00	73.00
* 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

RH63C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **2.90 kW***
Rated current I: **4.80-3.80 A***
Rated speed n: **1200 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

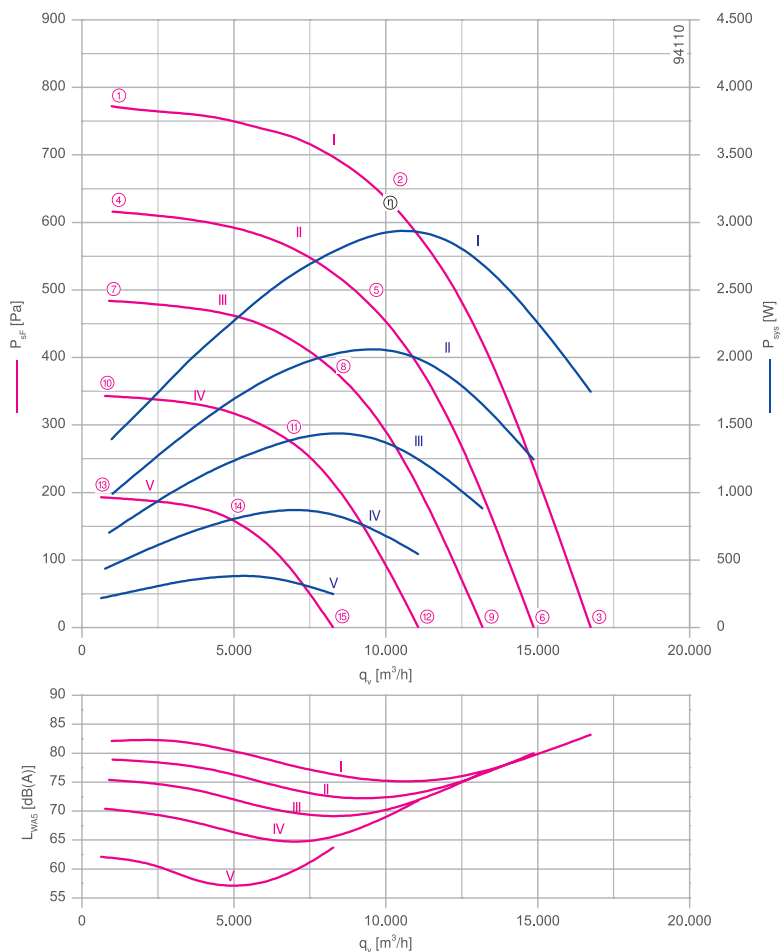
ErP-data

Efficiency η_{statA} : 65.5 %
Efficiency: $N_{actual} = 71.1 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

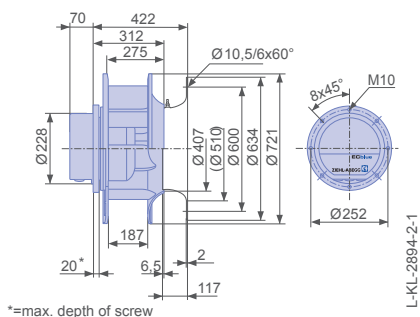


measured with inlet ring, without guard grille according to ISO 5801

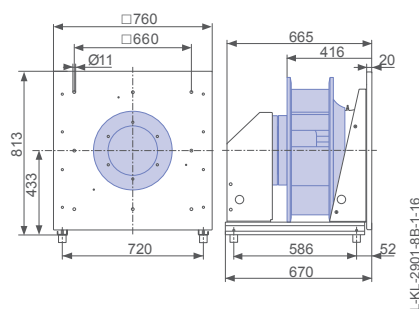
➤ Inlet ring	00401301	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

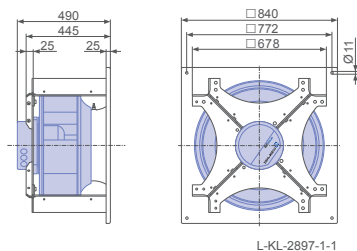
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

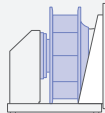
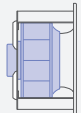
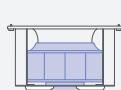
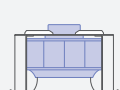


Performance data

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]
_63C-ZIK.GG.CR	I	1200	①	2.20	1400	82	40
		1200	②	4.40	2900	75	
		1200	③	2.70	1750	83	
	II	1070	④	1.55	980	79	60
		1070	⑤	3.20	2100	72	
		1070	⑥	1.95	1250	80	
	III	950	⑦	1.15	700	75	
		950	⑧	2.20	1450	69	
		950	⑨	1.40	880	77	
	IV	800	⑩	0.82	440	70	
		800	⑪	1.40	860	65	
		800	⑫	0.94	540	72	
	V	600	⑬	0.52	220	62	
		600	⑭	0.74	380	57	
		600	⑮	0.56	250	64	

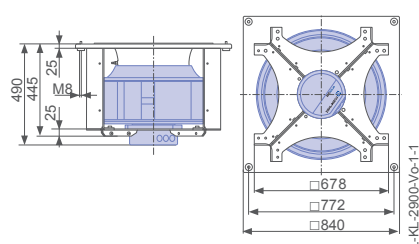
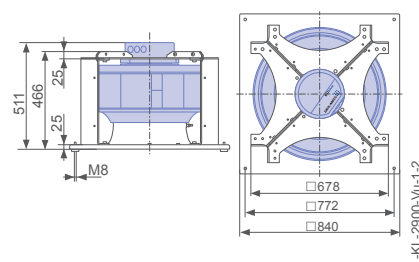
Current values determined at 400V

Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH63C-ZIK.GG.CR	ER63C-ZIK.GG.CR	GR63C-ZIK.GG.CR	GR63C-ZIK.GG.CR	GR63C-ZIK.GG.CR
Basic electronics					
Article no.	114635	114678/A01	114658/H01	114658/O01	114658/U01
Premium electronics					
Article no.	114636				
Weight [kg]	31.00	61.00	68.00	69.00	69.00
* 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

RH63C-ZIK



Description

Motor technology: EC

Rated voltage U: 3~380-480 V*

Rated frequency f: **50/60 Hz***

Motor input power P : 4.60 kW

Rated current I: 7.20-5.80 A*

Rated speed n: 1400 min⁻¹

Rated speed n: 1400 min⁻¹
Thermal class: **THCL155***

Min. permitted ambient temperature t_a : -20 °C

Max. permitted ambient temperature t_R 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

Impeller : ZAmid, uncoated, Ultramarine blue

Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 65.6 %

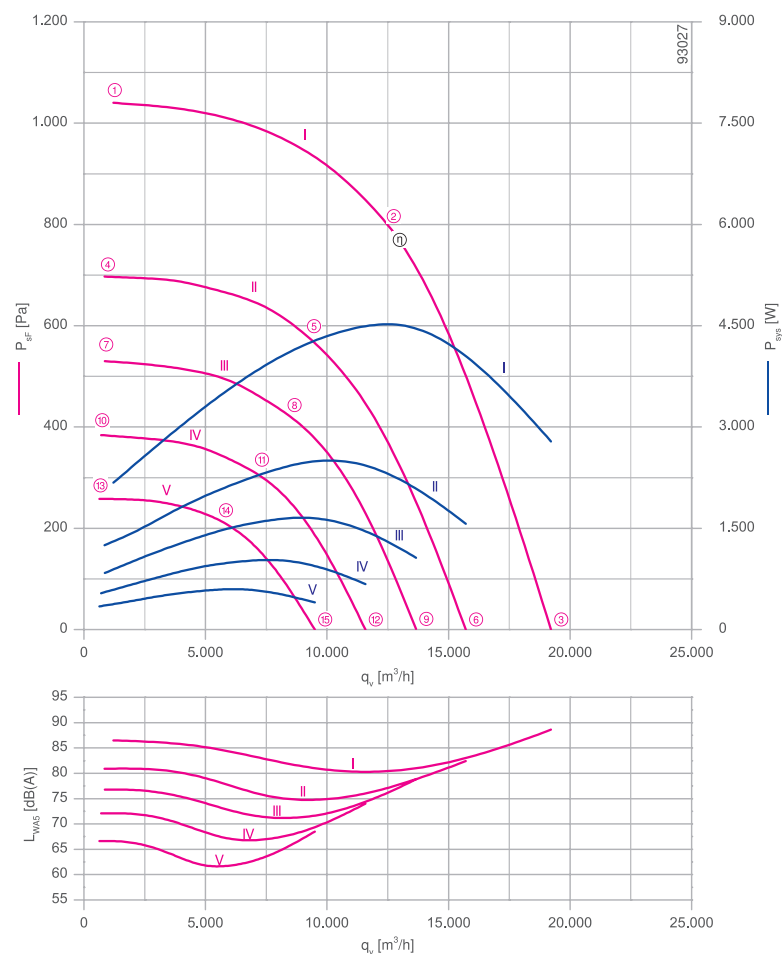
Efficiency: $N_{\text{actual}} = 69.2 / N_{\text{target}} = 62^{**}$

EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

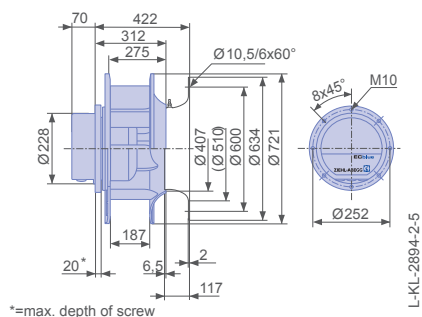


measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00401301	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

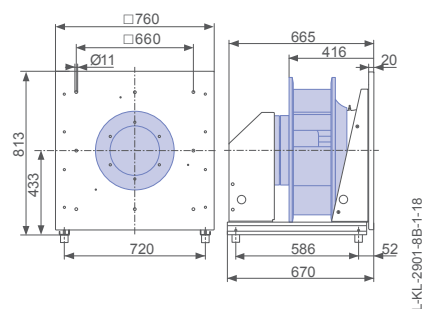
Dimensions [mm]

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

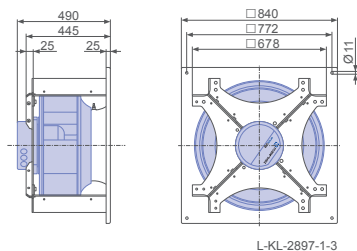


*=max. depth of screw

Plug fan ER in installation position H



Ventilation unit GR in installation position H



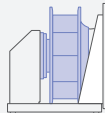
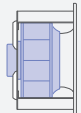
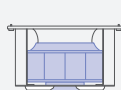
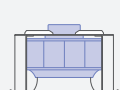
L-KL-2897-1-3

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]
_63C-ZIK.GL.CR	I	1400	①	3.40	2200	87	40
		1400	②	6.80	4600	81	
		1400	③	4.20	2800	89	
	II	1150	④	2.00	1250	81	60
		1150	⑤	3.80	2500	75	
		1150	⑥	2.50	1550	82	
	III	1000	⑦	1.40	840	77	
		1000	⑧	2.60	1650	71	
		1000	⑨	1.75	1050	79	
	IV	850	⑩	1.05	540	72	
		850	⑪	1.70	1050	67	
		850	⑫	1.20	680	74	
	V	700	⑬	0.78	340	67	
		700	⑭	1.10	600	62	
		700	⑮	0.86	400	69	

Current values determined at 400V

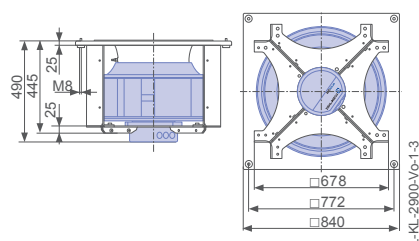
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH63C-ZIK.GL.CR	ER63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR
Basic electronics					
Article no.	114717	114736/A01	114727/H01	114727/O01	114727/U01
Premium electronics					
Article no.	114718				
Weight [kg]	36.00	65.00	72.00	73.00	73.00
* Inlet ring not included					
** Inlet ring integrated					

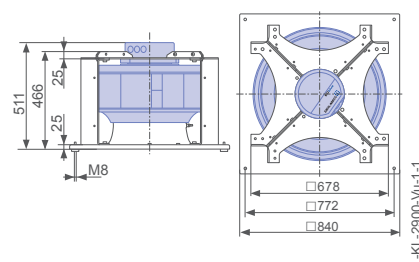
Control technology

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

RH63C-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **3.80 kW***
Rated current I: **6.20-5.00 A***
Rated speed n: **1320 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

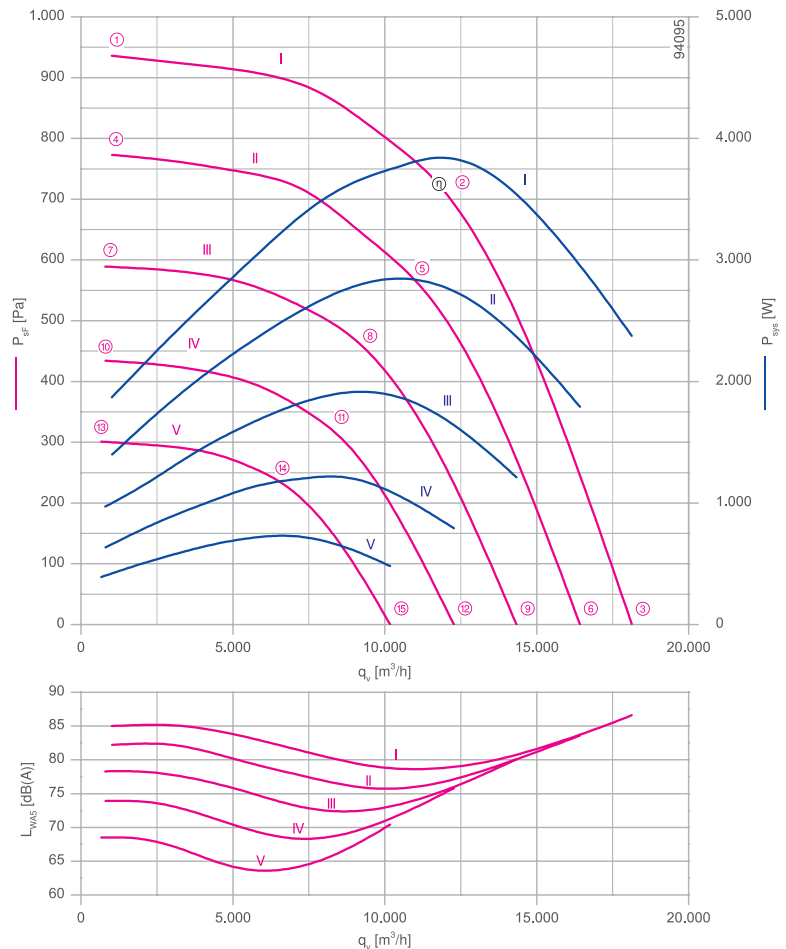
ErP-data

Efficiency η_{statA} : 66.1 %
Efficiency: $N_{actual} = 70.5 / N_{target} = 62^{**}$
EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

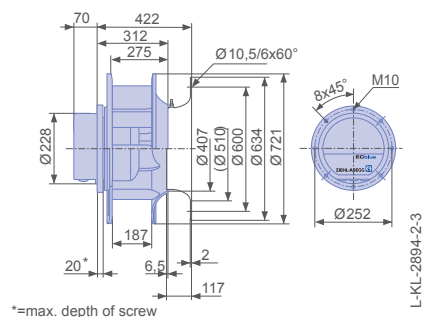


measured with inlet ring, without guard grille according to ISO 5801

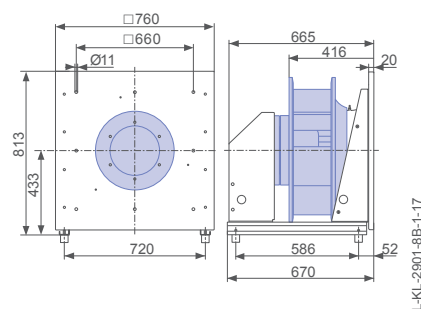
➤ Inlet ring	00401301	Page 450
➤ Connection diagram	1360-401	Page 548
➤ Rubber dampers	30x30 / 40	Page 454
➤ Spring vibration dampers	MSN 6	Page 454
➤ System components		Page 448

Dimensions [mm]

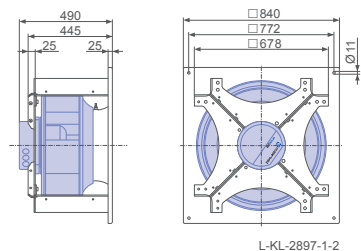
Free-running motor impeller RH
in installation position H/Vu/Vo



Plug fan ER in installation position H



Ventilation unit GR in installation position H

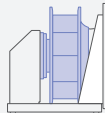
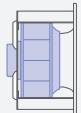
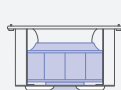
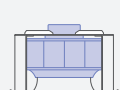


Performance data

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]
_63C-ZIK.GL.CR	I	1320	①	2.90	1850	85	50
		1320	②	5.80	3800	79	
		1320	③	3.60	2400	87	
	II	1200	④	2.20	1400	82	60
		1200	⑤	4.40	2800	76	
		1200	⑥	2.80	1800	84	
	III	1050	⑦	1.55	980	78	
		1050	⑧	2.90	1900	72	
		1050	⑨	1.90	1200	80	
	IV	900	⑩	1.10	640	74	
		900	⑪	1.95	1200	69	
		900	⑫	1.35	800	76	
	V	750	⑬	0.80	390	69	
		750	⑭	1.25	720	64	
		750	⑮	0.92	480	70	

Current values determined at 400V

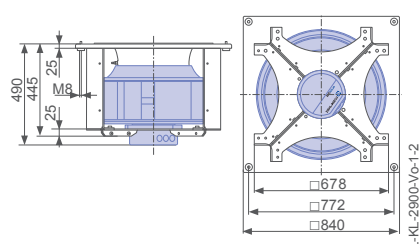
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH63C-ZIK.GL.CR	ER63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR	GR63C-ZIK.GL.CR
Basic electronics					
Article no.	114639	114680/A01	114660/H01	114660/O01	114660/U01
Premium electronics					
Article no.	114640				
Weight [kg]	36.00	64.60	72.00	73.00	73.00
* 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

