



fan data

08.03.2024

version FANselect V 1.01 (240308), AMCA V 1.03 September, 2021
RLT V 1.00 Dezember, 2021 / 1.24.03.08 | 34828 | (user ZAFS24828)



type	ER63C-4DN.H7.CR*
article no.	130565/2141 Portfolio STD-WW

technical data

motor	ZAmotpremium IE3	
Efficiency class	IE3	
power output ($P_{2\text{ main}}$)	kW	7.50
mains supply	-	3~ 400V 50Hz D
nominal current (I_N)	A	14.30
motor efficiency grade (η_M)	%	90.4
ambient temperature, max. limit (t_a)	°C	40
efficiency grade η_{statA}	%	69,4
efficiency grade $N_{\text{actual}} N_{\text{target}}$	70,3 62	
ErP-conformity	2015	
grille influence	no	

fan data

SFP-class SFP-value (P_{SFP})	- Ws/m ³	4 1528
FEI	-	1.41
airflow volume (q_v)	m ³ /s	4.00
air velocity	m/s	10.64
pressure, stat. (p_{sF}) tot. (p_F)	Pa	1000 1066
electrical power input (P_{sys})	W	6114
system eff., stat. ($\eta_{\text{sF,sys}}$) tot. ($\eta_{\text{F,sys}}$)	%	65.4 69.7
electrical power input (P_1)	W	5930
efficiency grade, stat. (η_{sF}) tot. (η_F)	%	67.5 71.9
shaft power (P_L) max. ($P_{L\text{ max}}$)	W	5338 5344
impeller eff., stat. ($\eta_{\text{sF,L}}$) tot. ($\eta_{\text{F,L}}$)	%	74.9 79.9
fan speed (n) max. (n_{max})	1/min	1559 1730
fan speed, set value ($\%n_{\text{max}}$)	%	90
frequency (f_{DP}) (f_{max})	Hz	53 59
voltage (U_{DP})	V	400
acoustics, suction side ($L_{\text{w(A),5}}$) ($L_{\text{w,5}}$)	dB	81 85
acoustics, pressure side ($L_{\text{w(A),6}}$) ($L_{\text{w,6}}$)	dB	88 90
dimensions (w x h x d)	mm	760 x 813 x 880
product weight (m_{pr})	kg	116
k-factor nozzle pres. (k)	-	381
differential pres. nozzle ($p_{\text{sF nozzle}}$)	Pa	1428

nominal values

3~ 400/690V D/Y 50Hz P2 7.50kW
14.30/8.30A 1470/MIN 40°C
IP55 THCL155
fan speed, max. (n_{max}) 1730 1/min

PF:PF_50; Ano:130565/2141; STol:+-10 %





performance curve / acoustics

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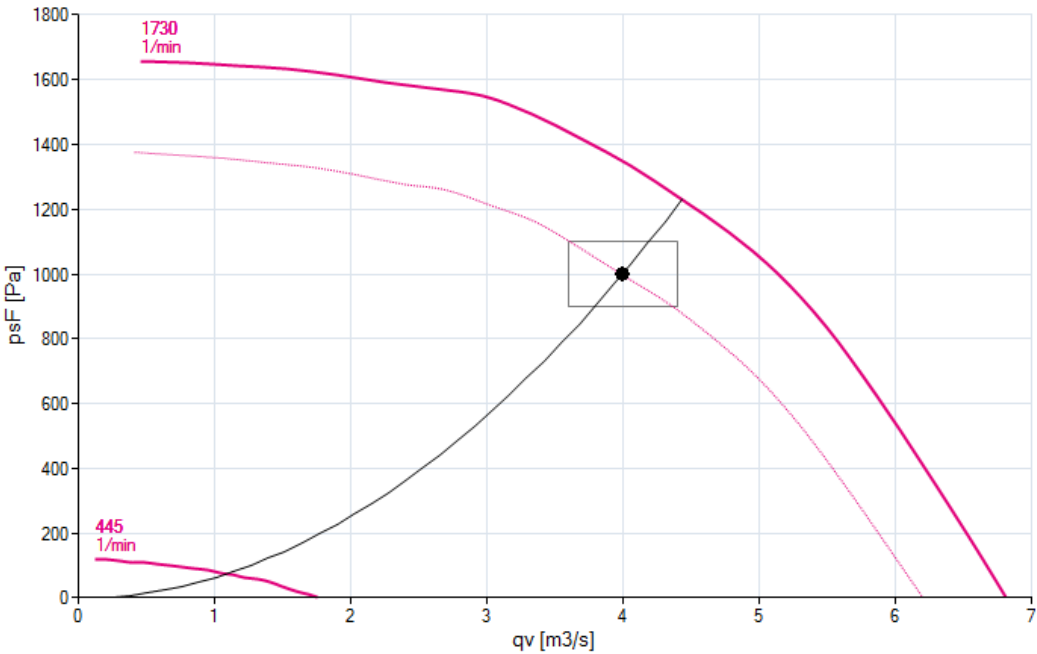
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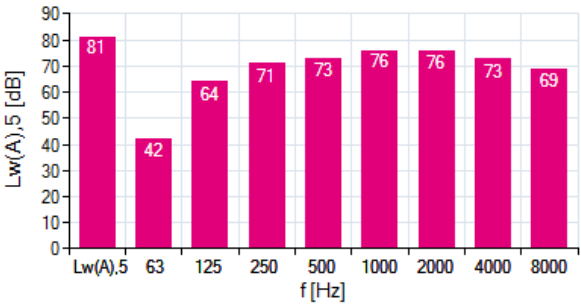
ER63C-4DN.H7.CR*

130565/2141 | Portfolio
STD-WW
- measured in standard nozzle in installation type A according to ISO 5801
measurement density 1.17 [kg/m³]

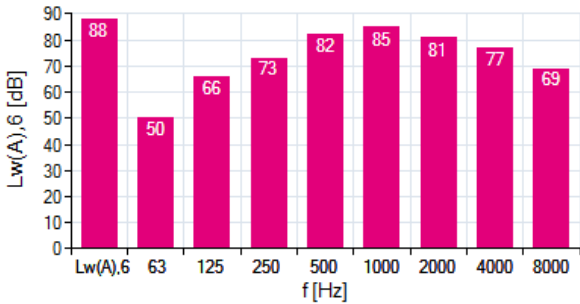
air performance p_{sF}



acoustics ($L_{w(A),5}$)



acoustics ($L_{w(A),6}$)



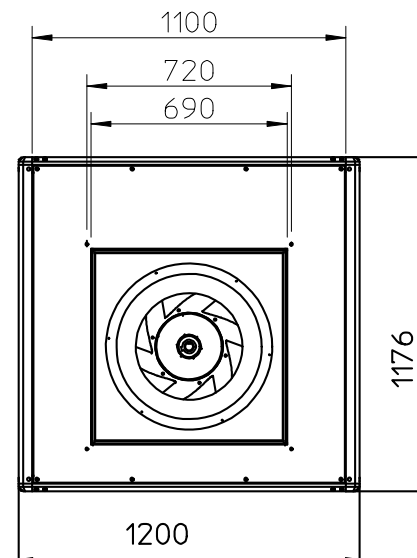
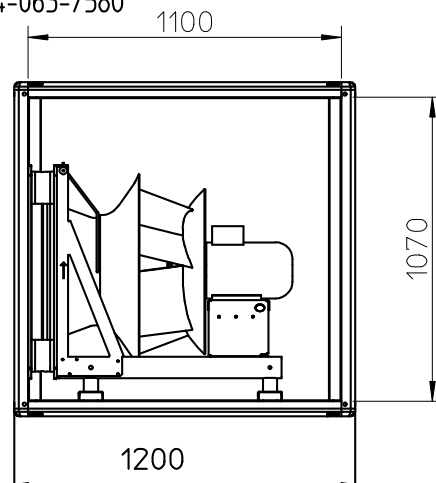
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f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	81	42	64	71	73	76	76	73	69
$L_{w,5}$	85	67	77	81	75	76	75	72	70

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	88	50	66	73	82	85	81	77	69
$L_{w,6}$	90	76	80	83	85	85	79	76	70



GMEB-1-14-063-5570 / GMEB-1-14-063-5580
GMEB-1-14-063-7570 / GMEB-1-14-063-7580



A		2017-02-14	J.P.
Issue	Modification	Date	Sign.

Qty.	Qty.	Item no.	Internal article no.		Description					
Variant	Variant	Dept.	Date	Drawn by	Check	Appr	Scale			
	21-	PUA	2017-02-14	J. Prodromou	AG	PB	1:20			
		EQGA h=4					Fläkt Woods AB Jönköping			
		Fan section					Ritning nr Drawing no J8013652		Issue A	