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Ponudba 19-7-090

Pozicija KN4-G

Projekt Laboratorij za celično biologijo
[Kos]

Skica 2 1

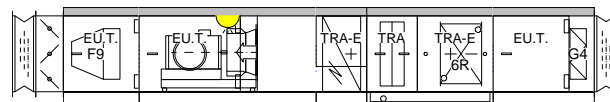
Datum 15.9.2017

Naročnik

Ulica

Št. naročila

Revision



TEHNIČNI IZRAČUN

ZHK 2000 S HG

Izvedba	Higienik zunanja notranja
Teža [kg]	481
specifična moč ventilatorja [W/m3/s]	2920
EU 1253/2014 compliance	Not compliant

Dovod	Velikost:12/4,5	Teža:481 [kg]	Površina: 10,6 [m2]	Hitrost: 1,64 [m/s]
Izvedba	FH-K-E-VF-TF	Dimenzije [mm]	L: 3.202,5	W: 1.320
Pretok zraka [m3/h]	3.300	H: 588		
Eksterni padec tlaka [Pa]	1200	Mat. pokrova znotraj 50 [mm]	Bel A47SME	1,00 mm
Totalni padec tlaka [Pa]	1832	Mat. pokrova dno	Bel A47SME	
°°specific fan power1 [w/m3/s]	2.920	Vodila	°°stainless steel L304	
		Mat. pokrova zunaj	Bel A47SME	0,70 mm
FH Kasetni filter		610,0 [mm]	1,88 [m2]	60,00 [kg]
Proizvajalec	General Filter			101 [Pa]
Tip	CFW40-098 tmax.=70°C	Št.celic x šir. x viš. [mm]	2 x 592,0 x 287,0	
Class ISO 16890	Coarse 60%			
Init.-Dim.-Fin. press. drop [Pa]	56-81-106	Okvir nerjaveč (demontažen od znotraj)		
Pretok [m3/h]	3.300	Final pressure control necessary, not included!		
Širina filtra [mm]	98,0	Final pressure drop acc. EN 13053-2018		
Površina filtra [m2]	0,68			
Standardna vrata s tečaji	EU.T.	Stran posluževanja: levo	Dimenzije [mm]	457,5 x 457,5 -[R]
(300)	1 Kos	Ključavnica na vratih		
Priključek:	6	rechts		
(25)	Jadrovinski nastavek	POCP Temp. [gC]	80,00	20 [Pa]
(22)	1 Kos	Izenačitev potenciala 6 mm		
Priključek:	7	Odprtina - spredaj, cel presek	Dimenzije [mm]	1.220,0 x 457,5
(25)	Jadrovinski nastavek	POCP Temp. [gC]	80,00	Dimenzije [mm]
(22)	1 Kos	Izenačitev potenciala 6 mm		1.220,0 x 457,5 x 140,0
(178)	1 Komple	Tlačni odjemi		2 [Pa]

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K	Hladilnik			762,5 [mm]	2,56 [m2]	153,00 [kg]	121 [Pa]
	Pretok [m3/h]	3.300	Gostota [kg/m3]	1,20	°°Coil face velocity [m/s]		2,43 Vsebina [l] 13,8
	Zrak vstop [gC]	27,00	Rel. vlaž. [%]	45,0	Medij	H2O + 25 vol. % ethyl. glycol	
	Zrak izstop [gC]	14,00	Rel. vlaž. [%]	91,8	Pretok medija [l/s]	0,9100	Hitrost [m/s] 0,94
	Moč [kW]	17,19	SHR	0,84	°°Med. in / out [gC]	7,0/12,0	
	zrak-suha stran p.d. [Pa]	111			Padec tlaka medija [kPa]	26,45	
	Zrak vstop [gC]	18,00	Rel. vlaž. [%]		Medij	Voda	
	Zrak izstop [gC]	41,36	Rel. vlaž. [%]		Pretok medija [l/s]	0,6700	
	Moč [kW]	25,87			°°Med. in / out [gC]	50,0/40,0	
					Padec tlaka medija [kPa]	12,38	
40x34-AR/2,5pa/6R-9T-1046L-5N/V2/CU-GW-1"/CU-AL-Inox304							
	Št. cevnih vrst	6	Max press. [bar]	21	Priključna stran	Levo	
	Št. cevnih poti	5			Lamele	AL	
	Medl. razdalja [mm]	2,5			Cevi	CU	
	Vstopni priključek	1"	°°Gewinde		Zbiralna cev	CU	
	Izstopni priključek	1"	°°Gewinde		Okvir	NERP	
	(134)	1 Kos	Odzračevalni/izpustni ventil				
	(2032)	1 Kos	Izvlačljiv prenosnik toplote				
	(0)	1 Kos	+ under pressure syphon with small ball				
	Snemljiv pokrov	TRA	Stran posluževanja: levo		Dimenzije [mm]	305,0 x 457,5	
	Vijačen pokrov	TRA-E	Stran posluževanja: levo		Dimenzije [mm]	457,5 x 457,5	
	Korito	NERP - H: 60,0 mm - Inclined lateral			Velikost	762,5 x 1.220,0 1"	
	Eliminator vodnih kapljic take off execution	Velikost	TA144	Okvir	NERP	Lamele	NERP 10 [Pa]
E	Električni grelnik			305,0 [mm]	1,02 [m2]	58,00 [kg]	7 [Pa]
	Proizvajalec:	EEH / 9,95 kw / 3S		Moč [kW]	9,95	Napetost [V]	3x400
	Vstop [gC]	0,00	Gostota [kg/m3]	1,20	Stopnje	3	Frekvenz [Hz] 50
	Izstop [gC]	9,00			Step 1 [kW]	3,32	Step 5 [kW]
	Pretok zraka [m3/h]	3.300			Step 2 [kW]	3,32	Step 6 [kW]
	Material palic	°°stainless steel			Step 3 [kW]	3,31	Step 7 [kW]
	Cable gland:	3 x M20 / 2 x M16			Step 4 [kW]		Step 8 [kW]
	Kontrola varnosti	Ročno nastavitveni termostat IMIT 543707/A					
	(93)	1 Kos	°°Overheating Thermostat				
	Vijačen pokrov	TRA-E	Stran posluževanja: levo		Dimenzije [mm]	305,0 x 305,0	



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VF Dovod-Prostotekoči ventilator										1.067,5 [mm]		3,58 [m2]		141,00 [kg]		113 [Pa]	
Ventilator																	

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TF	Vrečasti filter			457,5 [mm]		1,54 [m2]		69,00 [kg]		187 [Pa]				
Proizvajalec				COFIM		Površina filtra [m2]						17,80		
Tip				RP-H-E-F9 tmax.=70°C		Št.celic x šir. x viš. [mm]						2 x 592,0 x 287,0 vert		
Init.-Dim.-Fin. press. drop [Pa]				133-183-233		Kompaktni filter °°Guide stainless steel (side removable center lock) Final pressure control necessary, not included! Final pressure drop acc. EN 13053-2018								
Class ISO 16890				ePM1 90%										
Pretok [m3/h]				3.300										
Dolžina vreče [mm]				292,0										
Filter energy class (EN 779:2012)				n.a.										
Standardna vrata s tečaji				EU.T.		Stran posluževanja: levo		Dimenzije [mm]		457,5 x 457,5 -[R]				
(300)				1 Kos		Ključavnica na vratih								
Priključek:				7		Odprtina - spredaj, cel presek		Dimenzije [mm]		1.220,0 x 457,5				
(23)				Reg. žaluzija		Class 4		Okvir		AL		Tesnilni trak		
								Lopatice		AL-C		Pogon loput		
				Os		1		Vrtljni moment [Nm]		13,0		Vrsta pogona		
(25)				Jadrovinasti nastavek		POCP		Temp. [gC]		80,00		Dimenzije [mm]		
(22)				1 Kos		Izenačitev potenciala 6 mm				1.220,0 x 457,5 x 140,0		2 [Pa]		
(178)				1 Komple		Tlačni odjemi								
Zvočno podatke naprave				ME		63		125		250		500		
1> Nivo zvočne moči - ohišje						69,0		62,0		53,3		56,9		
2> Nivo zvočne moči - vstop						66,5		68,5		64,5		72,0		
3> Nivo zvočne moči - izstop						76,5		78,0		77,0		84,0		
4> Zvočni tlak za				1 [m]		Oddalj. od naprave		53,3		46,3		37,6		
5> Zvočni tlak za				1 [m]		Oddalj. od vstop. priklj.		59,1		61,8		58,5		
6> Zvočni tlak za				1 [m]		Oddalj. od izstop. priklj.		69,1		71,3		71,0		
Izračunani nivo hrupa velja samo za prosto širjenje zvoka, s polkrožnim širjenje hrupa, za ohišje naprave (4), vstopno (5) in izstopno odprtino naprave (6). Ostali izvori zvoka, akustične lastnosti prostora, hrup toka zraka, kanalski priključki in vibracije lahko vplivajo na zvočni tlak. Dejansko v praksi pa se zato lahko izmerjene vrednosti na objektu razlikujejo od izračunanih vrednosti.														
(318)				1 Kos		Embaliranje z raztegljivo folijo, na paleti								
(299)				1 Kos		Tesnilo za higienik izvedbo VDI 6022								
(3166)				1		Truck - Transport								
(407)				1 Komple		Podstavek ZHK GR-LP80 Pocinkana pločevina								
(0)				1 Komple		+ anti vibration mounts (rubber MAFUND)								
EUROVENT podatki														
Vrsta/ohišje MB				ZHK / ZHK 2000 S		Ł_ODA EEC								
Thermal classes (MB)				T3 - TB2		Mešalno razmerje								
Casing air leakage (MB)				L1		Velikost referenčne hitrosti								
Mechanical strength (MB)				D1		Celotni statični tlak EEC								
°°Energy efficiency class				D (2016)		Internal Static Pressure								
fan design for dry/wet conditions				see relating section		Pressure drop ERS S/R								

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Additional informations according EU regulation no. 1253/2014			
a) Proizvajalec	Euroclima	j) hitrost skozi prosti presek	1,64 [m/s]
b) Identifikacijska oznaka	19-7-090 / 2	k) Nazivni zunanji tlak	1200 [Pa]
c) Tip	NRVU - UVU	l) Interni padec tlaka vent. komponent	143 [Pa]
d) Tip pogona na dovodu	Variable speed / FC not included	m) Interni padec tlaka ne vent. komponent	326 [Pa]
Tip pogona na povratku	No Exhaust fan	n) statični izkoristek ventilatorja (EU No 327/201	60,6 [%]
e) tip sistema vračanja energije	-	o) External leakage -400 / +400 Pa (RU)	0,5 / 0,5 [%]
f) Termični izkoristek HRS-ja	not applicable	Notranje puščanje	
g) Nazivni zračni pretok	0,92 [m/s]	p) razred učinkovitosti filtra	glej podatke o filtr
h) Efektivna električna vhodna moč	2,75 [kW]	r) Nivo zvočne moči - ohišje LWA	61,2 [dB]
i) SFP int	249 [W/(m/s)]	s) www.euroclima.com	

ErP compliance

The European directive 2009/125/EC establishes Ecodesign requirements and relating regulations for the implementation for different technical products

The product on this data sheet may be a non-residential ventilation unit according to the implementation regulation of the European Union No. EU 1253/2014.

The compliance check for this product according to No. EU 1253/2014, resulted " **Not compliant**" to the requirements valid from 01.01.2018

A not compliance is allowed, if a ventilation unit is covered by the exemptions, stated in regulation No. EU 1253/2014 and the later official interpretations.

In some cases it may be possible, that the conformity is only given, after the integration of the product into a complete system, so only the complete systems forms a compliant "ventilation unit" according the regulation.

The product on this datasheet is a customized product and the layout is done according the customers requirements.

EUROCLIMA is not informed about the exact scope and use of the product and EUROCLIMA has no information, if an exemption as per regulation No. EU 1253/2014 can be applied.

For this reason EUROCLIMA assumes that an exception to this Regulation has been checked by the customer.

So by ordering this product, the client accepts the following clauses:

- The product is sold by EUROCLIMA as "out of scope" of the regulation No. EU 1253/2014
- A declaration of conformity and a CE - marking according the regulation No. EU 1253/2014 by EUROCLIMA is not possible for that reason.
- It is the clients obligation to check the need of conformity of the installed product in the completed plant to European or national legislation.

In this case, the obligations given by the relevant legislation are to be fulfilled by the installer of the product.

In case of doubts, EUROCLIMA recommends to clarify the need of ErP - compliance - before placing the order - with the consultant, who designed the relating air treatment plant and who issued the related product specification.

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Safety and unloading instructions supplied in printed form together with the AHU
Please download maintenance & service instructions with the following QR-Link



°°Euroclima participates in the ECP programme for: Air Handling Units (AHU). Check ongoing validity of certificate: www.eurovent-certification.com