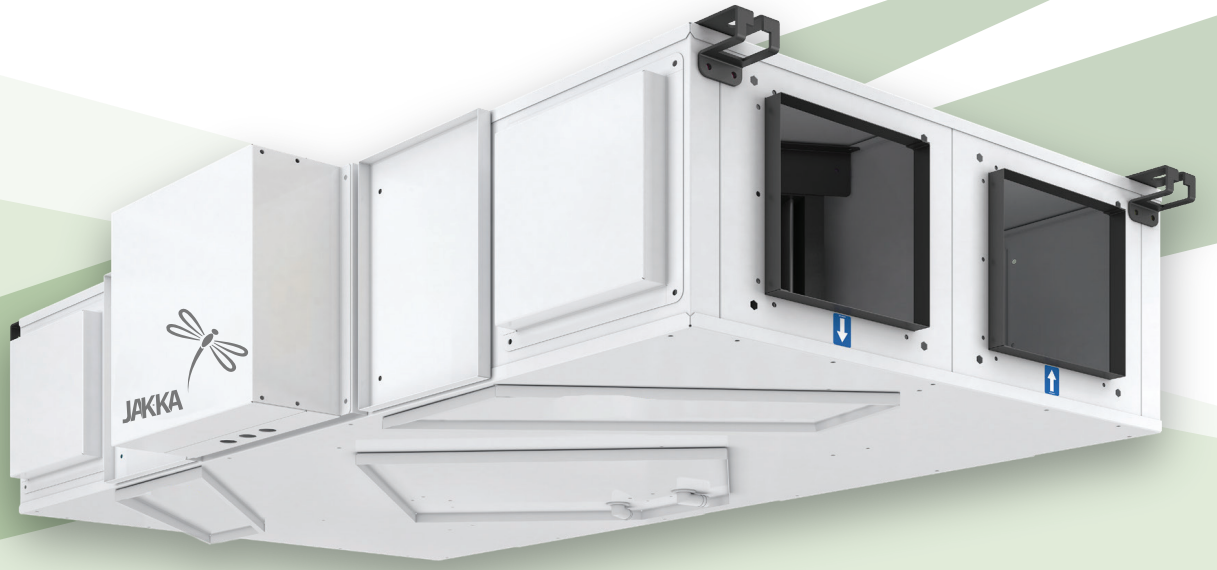
APRIL 2023

JAKKA REKUPERATOR
JRH73



JAK-KA®

www.jakkagroup.com

Podaci u katalogu su informativnog karaktera. Jakka Group zadržava pravo promene cena i podataka bez prethodne najave. Za više informacija, pre konačne kupovine, kontaktirajte našu prodajnu službu.

Sadržaj

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JRH73



Materijal (kućište) / *Material (housing)*

Pocinkovani lim
Galvanized sheet

Efikasnost / *Efficiency*

do 77%
up to 77%

Opseg temperature / *Temperature range*

-12°C do/to +46°C.

Protok vazduha / Air flow

850-5800 m3/h

Napajanje / *Power supply*

220 / 380 V/50Hz

Izolacija / *Insulation*

10mm

Rekuperator toplote efikasnosti do 77 %, bez by-pass opcije. Namenjen za opštu ventilaciju, sa aluminijumskim izmenjivačem toplote sa unakrsnim protokom vazduha

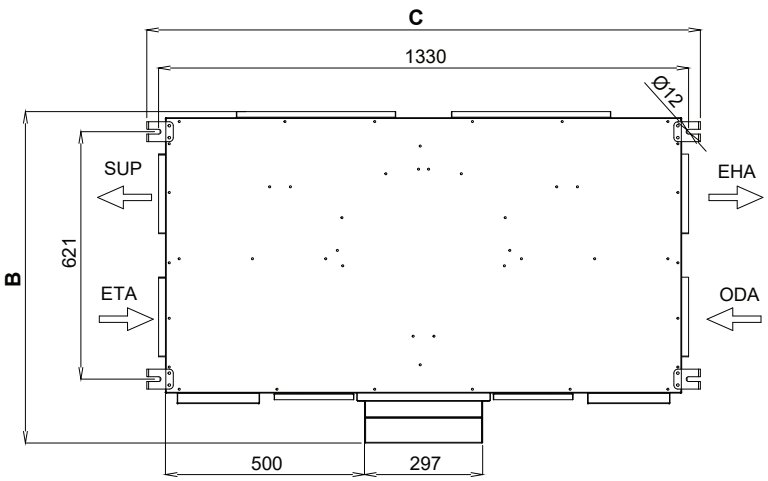
Heat exchange unit, up to 77% efficiency, without by-pass. Intended for general ventilation, with cross air flow aluminum heat exchanger plate.

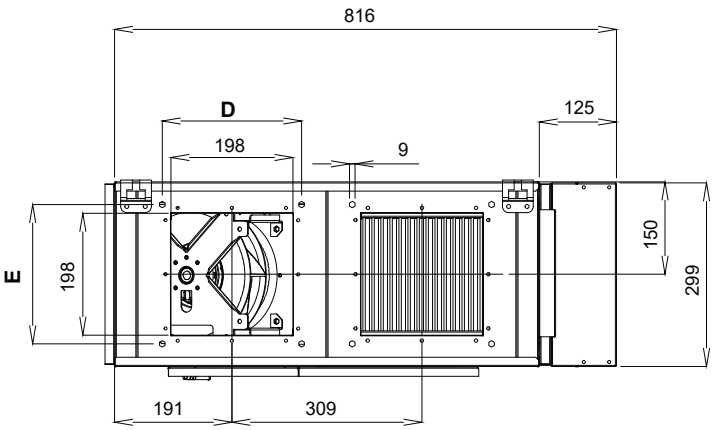
JR	H	73	700-6000
Jakka rekuperator	Horizontalna izvedba	Serija rekuperatora	Modeli (nazivni protok [m3/h]

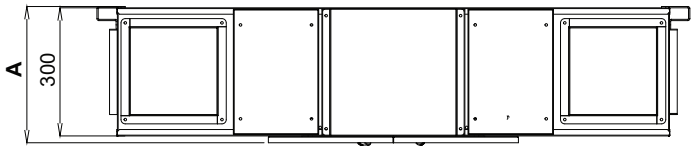
NAPOMENA: Rekuperatori nisu namenjeni za bazensku aplikaciju. Nisu namenjeni za rad u uslovima sa velikom koncentracijom vlage.
Heat exchange unit are not intended for pool application. They are not intended to work in conditions with a high concentration of moisture.

TEHNIČKI CRTEŽI
TECHNICAL DRAWINGS

JRH73 / 700





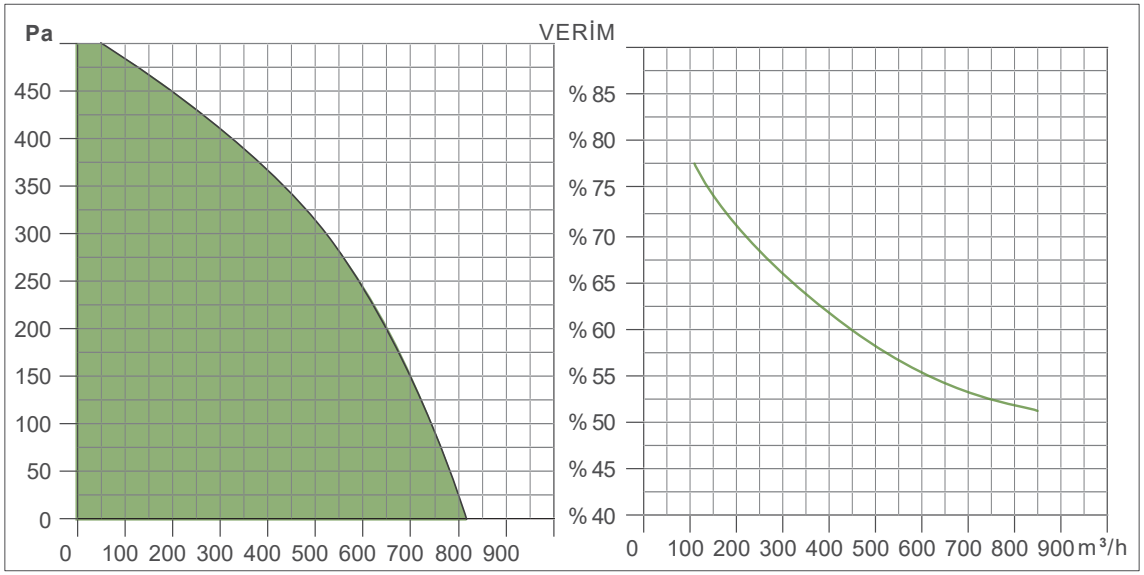


A: Ukupna visina	[mm]	319
B: Ukupna širina	[mm]	832
C: Ukupna dužina sa nosačima	[mm]	1389
D: Dužina prirubnice	[mm]	227
E: Visina prirubnice	[mm]	227

Model izmenjivača Exchanger *model*	**TREX-CR-DS-300-292-002**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/2-225/088M 2H0 BP4**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 700

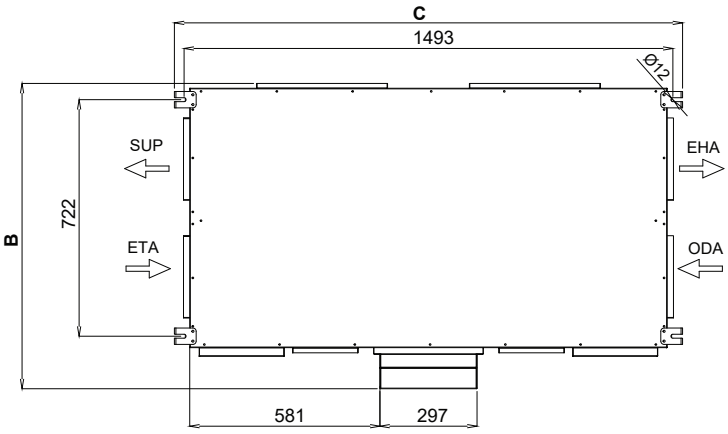


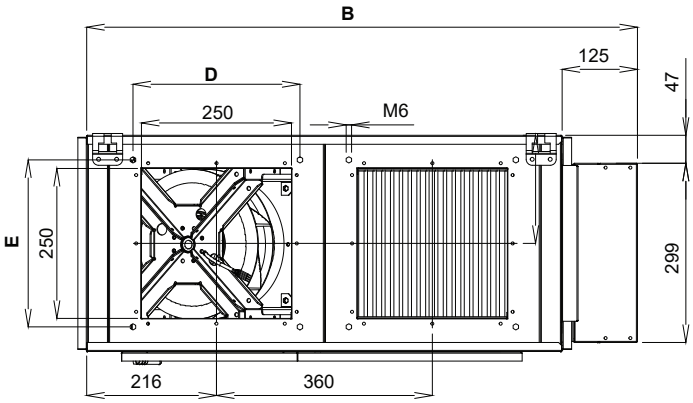
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**810**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**567**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**56%**
Težina (kg) *Weight (kg)*	**60**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

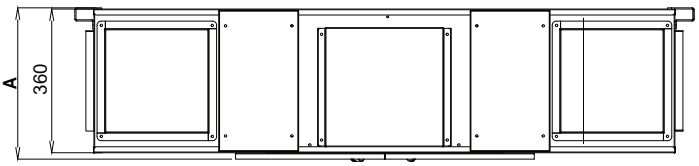
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**0,27**
Maksimalna struja (A) *Maksimum current (A)*	**1,2**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**57**

TEHNIČKI CRTEŽI
TECHNICAL DRAWINGS

JRH73 / 1200





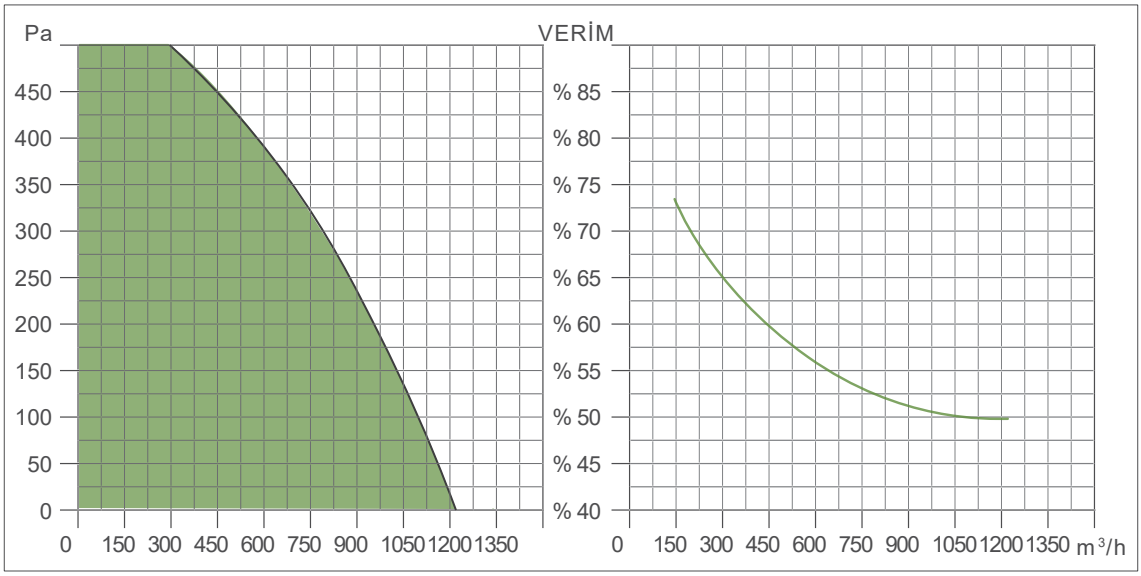


A: Ukupna visina	[mm]	379
B: Ukupna širina	[mm]	932
C: Ukupna dužina sa nosačima	[mm]	1552
D: Dužina prirubnice	[mm]	278
E: Visina prirubnice	[mm]	278

Model izmenjivača Exchanger *model*	**TREX-CR-DS-300-352-002**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/2-250/040L**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

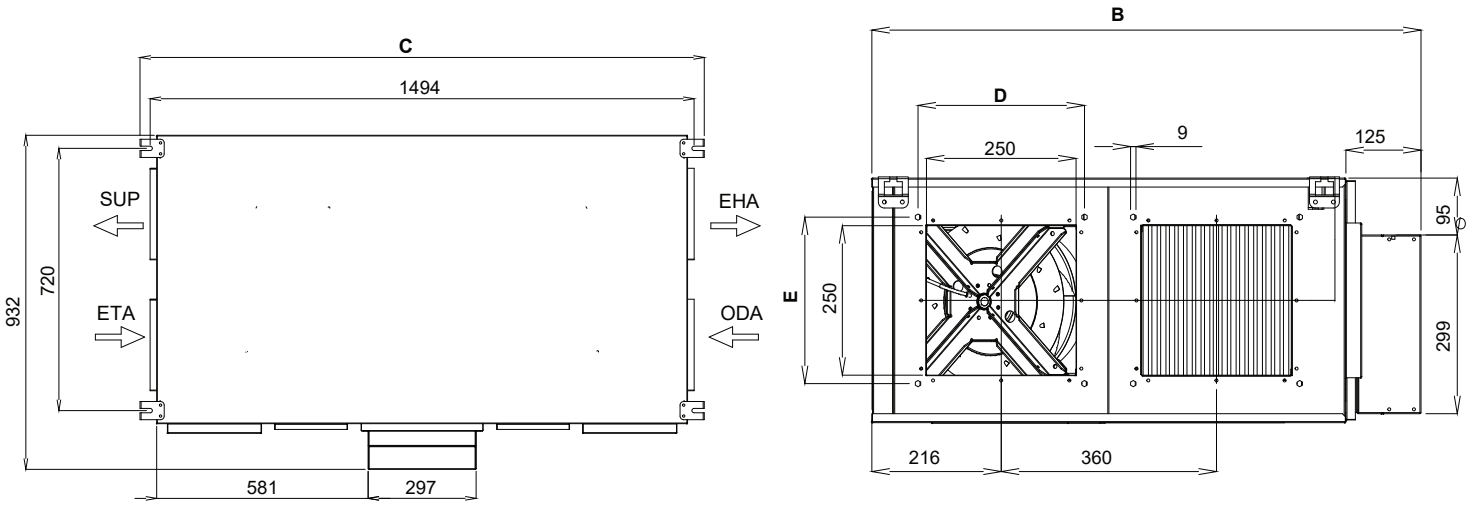
JRH 73 1200

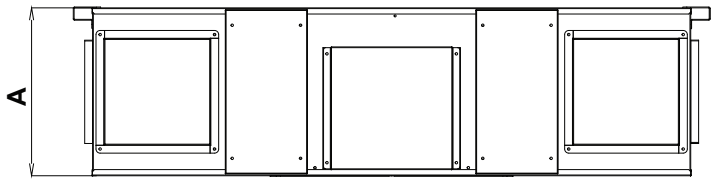


Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**1240**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**868**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**51%**
Težina (kg) *Weight (kg)*	**75**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**0,56**
Maksimalna struja (A) *Maksimum current (A)*	**2,4**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**59**

TEHNIČKI CRTEŽI
TECHNICAL DRAWINGS

JRH73 / 1500



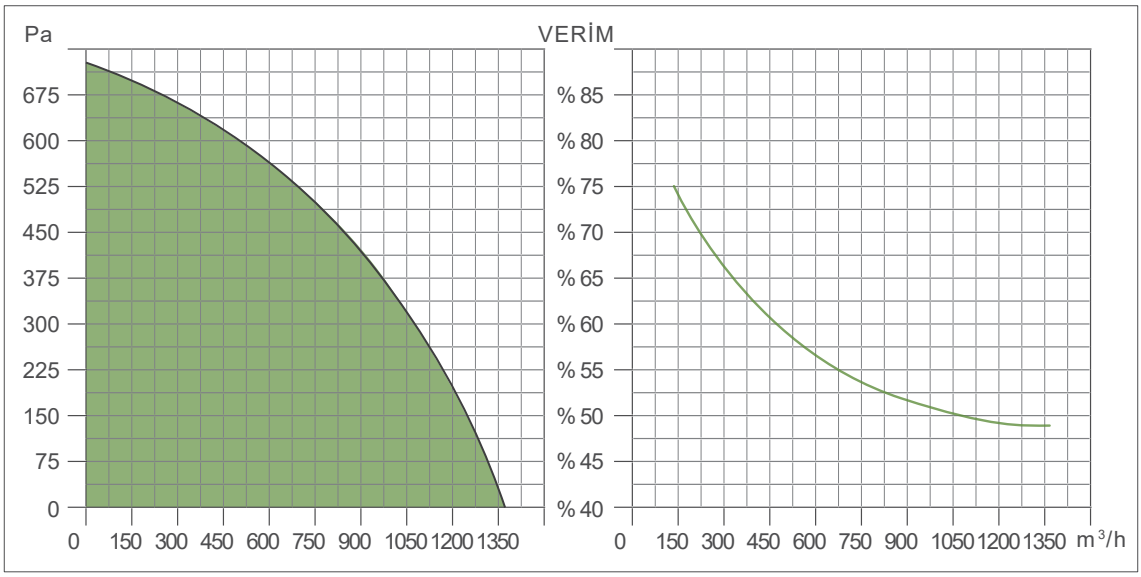


A: Ukupna visina	[mm]	427
B: Ukupna širina	[mm]	932
C: Ukupna dužina sa nosačima	[mm]	1550
D: Dužina prirubnice	[mm]	278
E: Visina prirubnice	[mm]	278

Model izmenjivača Exchanger *model*	**TREX-CR-DS-300-402-002**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/2-280/050L**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 1500

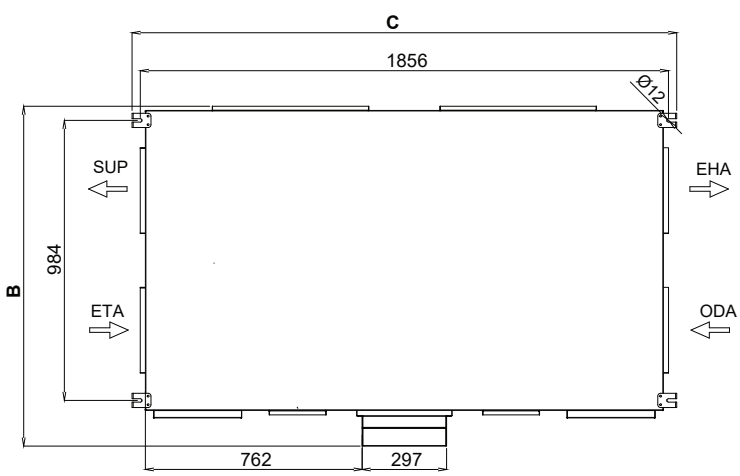


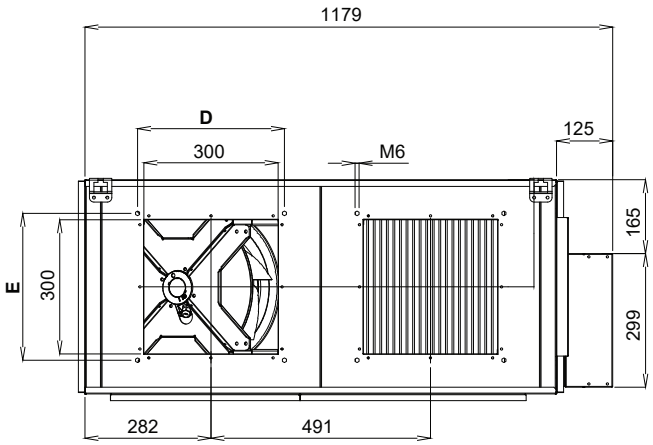
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**1380**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**966**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**50%**
Težina (kg) *Weight (kg)*	**88**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

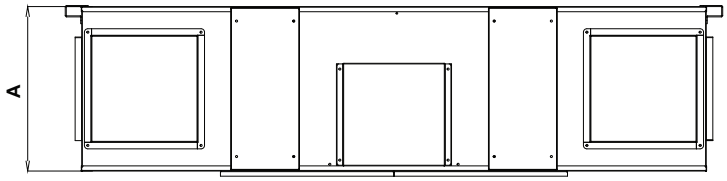
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**0,61**
Maksimalna struja (A) *Maksimum current (A)*	**2,6**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**61**

TEHNIČKI CRTEŽI
TECHNICAL DRAWINGS

JRH73 / 2000





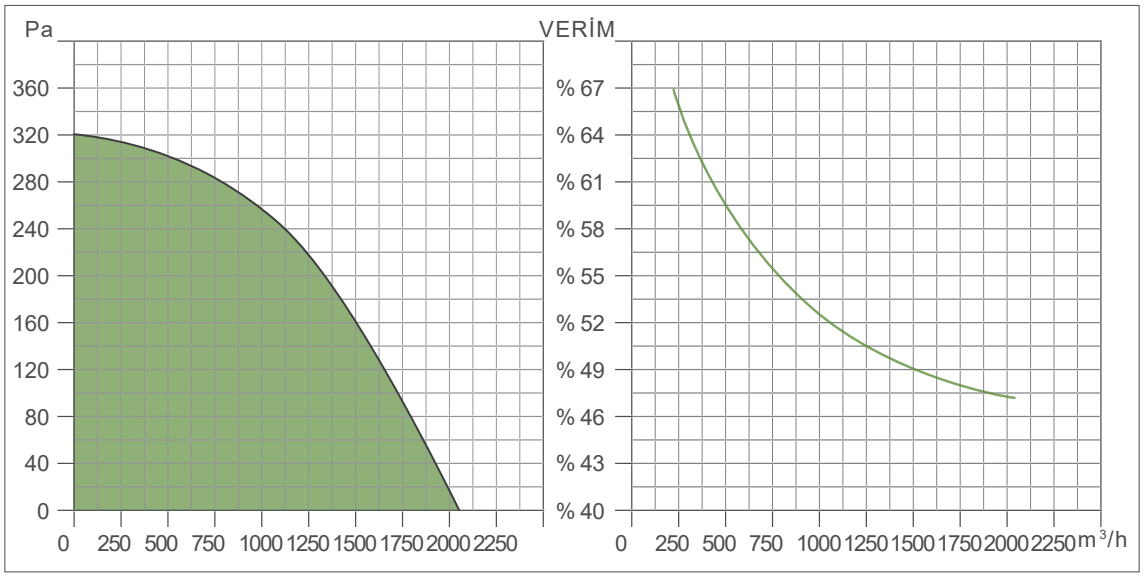


A: Ukupna visina	[mm]	497
B: Ukupna širina	[mm]	1194
C: Ukupna dužina sa nosačima	[mm]	1914
D: Dužina prirubnice	[mm]	328
E: Visina prirubnice	[mm]	328

Model izmenjivača Exchanger *model*	**TREX-CR-LS-600-472-002**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/4-315/112D MI MP**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 2000

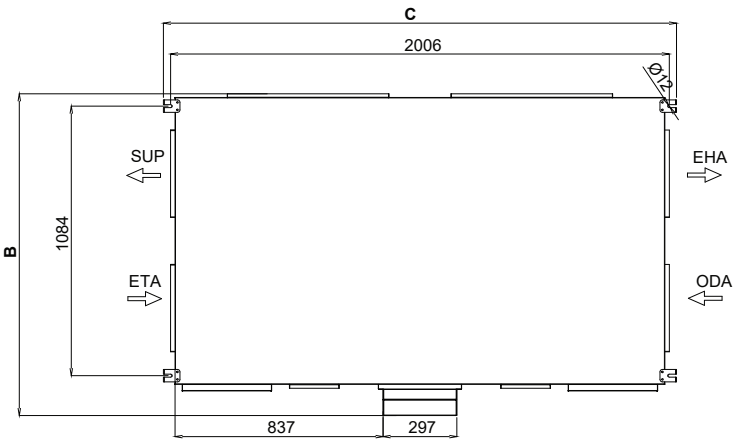


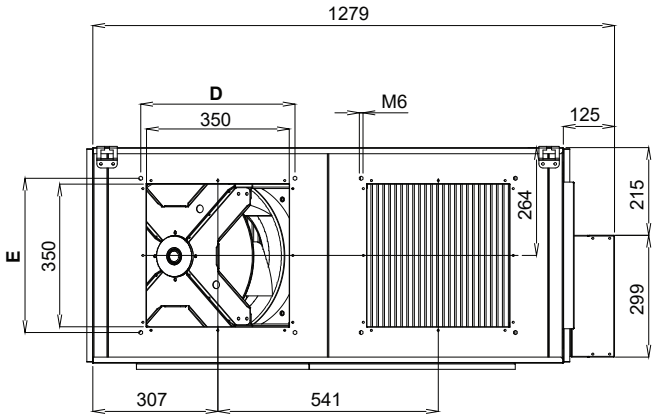
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**2050**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**1435**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**48%**
Težina (kg) *Weight (kg)*	**110**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

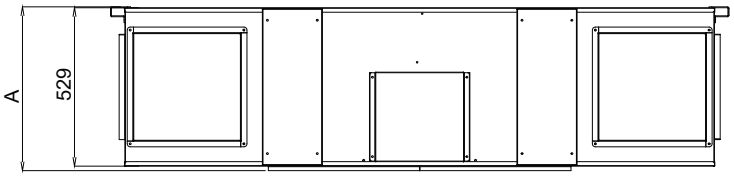
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (1) (kw) *Total Power (1) (kw)*	**0,49**
Maksimalna struja (A) *Maksimum current (A)*	**2,2**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**60**

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 3000





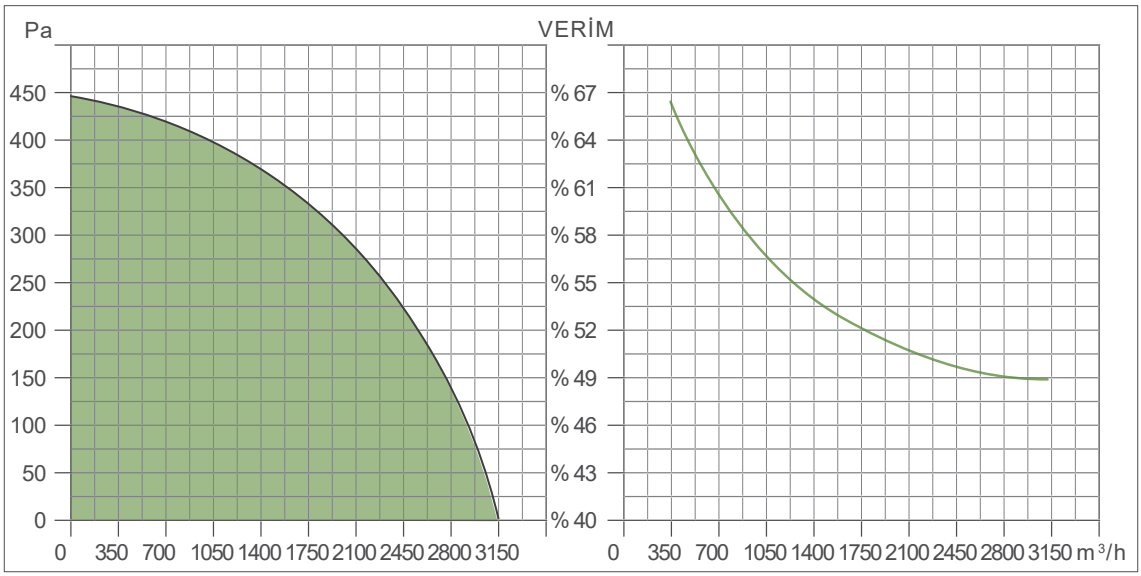


A: Ukupna visina	[mm]	547
B: Ukupna širina	[mm]	1294
C: Ukupna dužina sa nosačima	[mm]	2064
D: Dužina prirubnice	[mm]	378
E: Visina prirubnice	[mm]	378

Model izmenjivača Exchanger *model*	**TREX-CR-LS-600-522-002**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/4-400/188 ML**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 3000

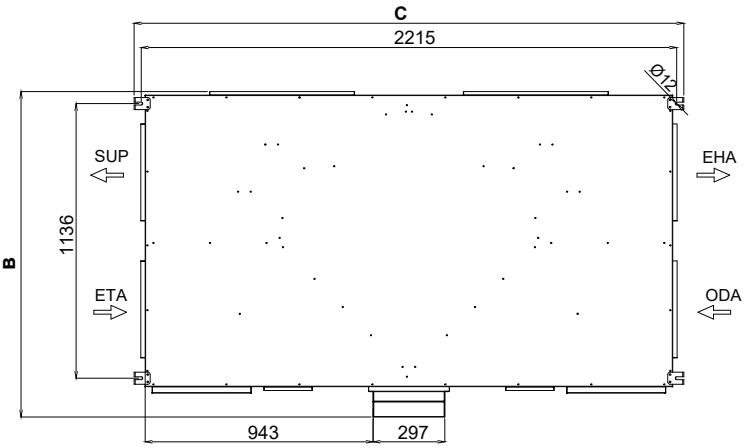


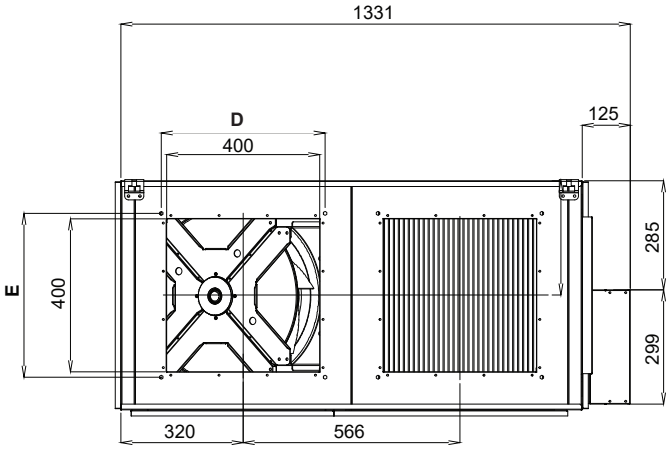
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**3150**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**2205**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**49%**
Težina (kg) *Weight (kg)*	**140**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

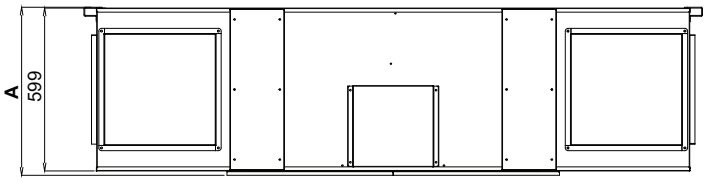
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**1,1**
Maksimalna struja (A) *Maksimum current (A)*	**4,6**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**60**

TEHNIČKI CRTEZI
TECHNICAL DRAWINGS

JRH73 / 4000





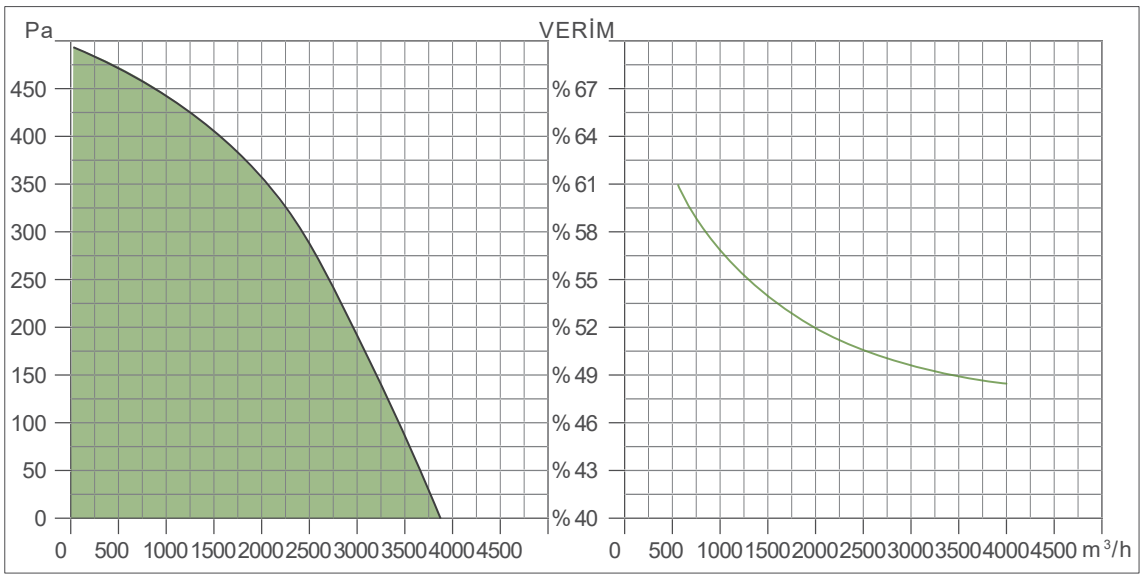


A: Ukupna visina	[mm]	618
B: Ukupna širina	[mm]	1346
C: Ukupna dužina sa nosačima	[mm]	2274
D: Dužina prirubnice	[mm]	428
E: Visina prirubnice	[mm]	428

Model izmenjivača Exchanger *model*	**HEATEX HA0750-0590-090-2EOO-2-0-0-0590**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/4-400/112D ML**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 4000

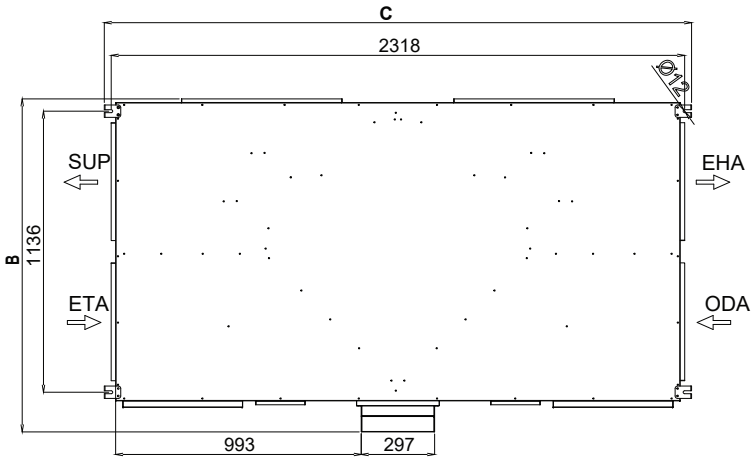


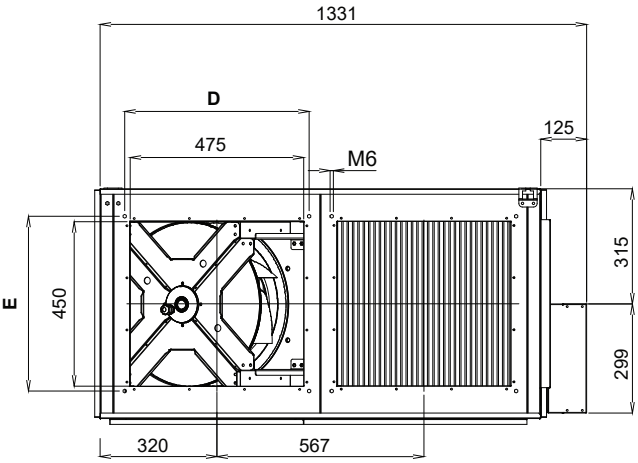
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**3875**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**2713**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**49%**
Težina (kg) *Weight (kg)*	**170**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Radna temperatura (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

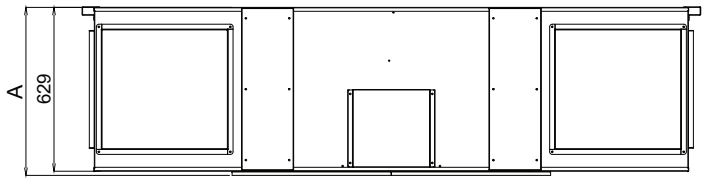
Odašivač *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**1,2**
Maksimalna struja (A) *Maksimum current (A)*	**4,8**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**53**

TEHNIČKI CRTEZI
TECHNICAL DRAWINGS

JRH73 / 5000





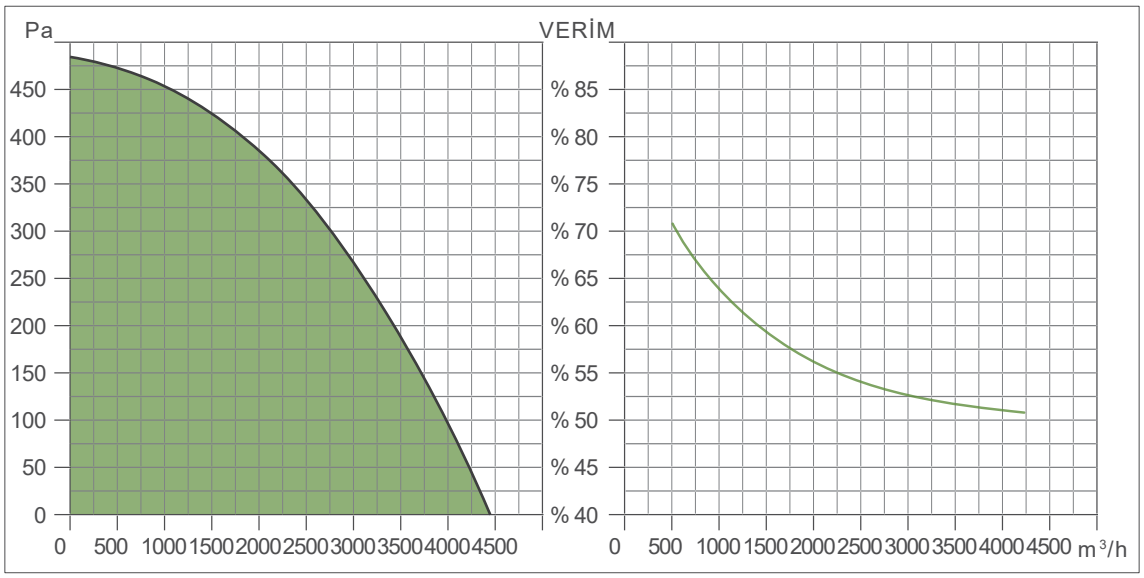


A: Ukupna visina	[mm]	645
B: Ukupna širina	[mm]	1346
C: Ukupna dužina sa nosačima	[mm]	2374
D: Dužina prirubnice	[mm]	505
E: Visina prirubnice	[mm]	478

Model izmenjivača Exchanger *model*	**HEATEX HA0750-0620-105-2EOO-2-0-0-0620**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**S&P CRBB/4-400/140D**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

JRH73 / 5000

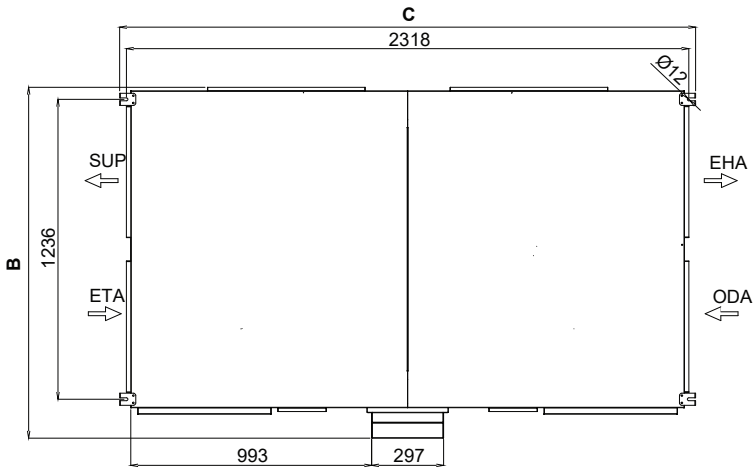


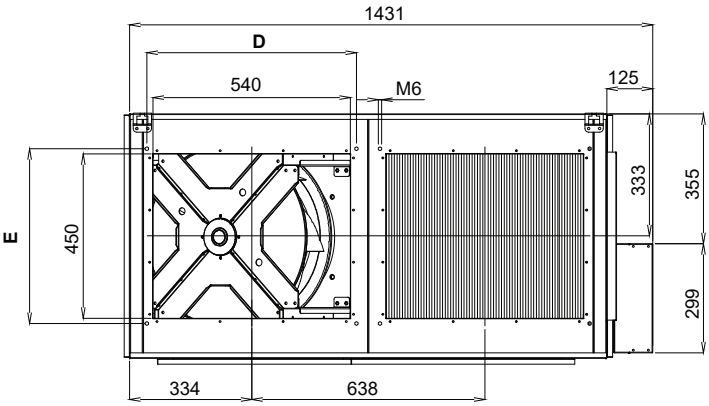
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	**4400**
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	**3080**
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	**51%**
Težina (kg) *Weight (kg)*	**190**
Filter dovodnog vazduha *Fresh air filter*	**G4**
Filter izduvnog vazduha *Exhaust filter*	**G4**
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	**-12/+46**

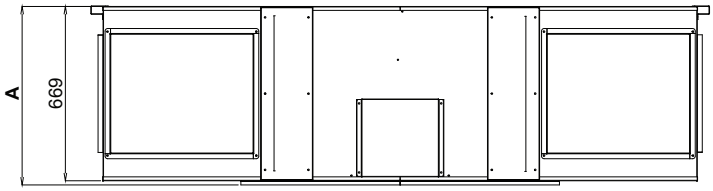
Komunikaciona veza *Communicating informations*	**Modbus RTU**
Napon *Supply voltage*	**230V 50 Hz**
Snaga (kw) *Total Power (kw)*	**1,3**
Maksimalna struja (A) *Maksimum current (A)*	**5,4**
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	**58**

TEHNIČKI CRTEZI
TECHNICAL DRAWINGS

JRH73 / 6000





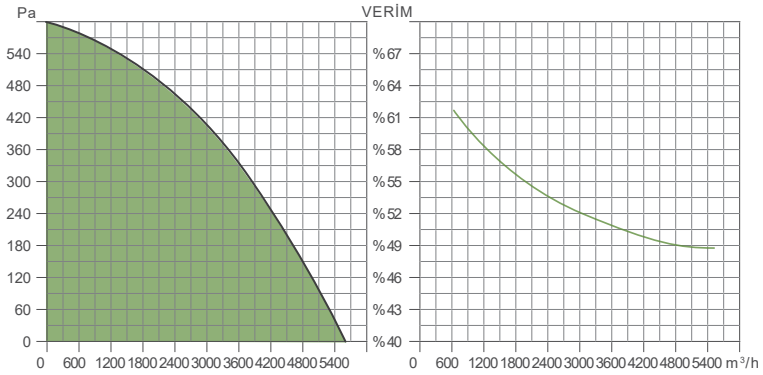


A: Ukupna visina	[mm]	687
B: Ukupna širina	[mm]	1446
C: Ukupna dužina sa nosačima	[mm]	2374
D: Dužina prirubnice	[mm]	573
E: Visina prirubnice	[mm]	478

Model izmenjivača Exchanger *model*	**HEATEX HA0750-0660-090-2EOO-2-0-0-0660**
Tip izmenjivača *Exchanger type*	**Od aluminijuma, unakrsnog protoka** ***Aluminium plate, cross flow***
Model ventilatora *Fan model*	**AC - S&P CRBT/4-450/125D ML** **EC - RH35V-ZIK**
ERP kompatibilnost *ERP Compatibility*	**2015**
Mesto ugradnje *Installation*	**Unutar objekta** ***Indoor***
Orjentacija ugradnje *Installation position*	**Horizontalna** ***Horizontal***
Kućište *Case structure*	**10 mm izolovana ploča** ***10 mm insulated single walled***

TEHNIČKI PODACI
TECHNICAL DATA

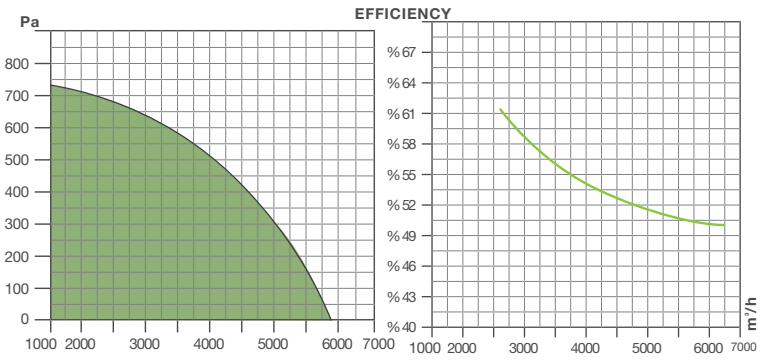
JRH73 / 6000
AC motor



Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	5500
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	3850
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	49%
Težina (kg) *Weight (kg)*	190
Filter dovodnog vazduha *Fresh air filter*	G4
Filter izduvnog vazduha *Exhaust filter*	G4
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	-12/+46

Komunikaciona veza *Communicating informations*	Modbus RTU
Napon *Supply voltage*	380V 50 Hz
Snaga (1) (kw) *Total Power (1) (kw)*	1,9
Maksimalna struja (A) *Maksimum current (A)*	3,8
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	52

JRH73 / 6000
EC motor



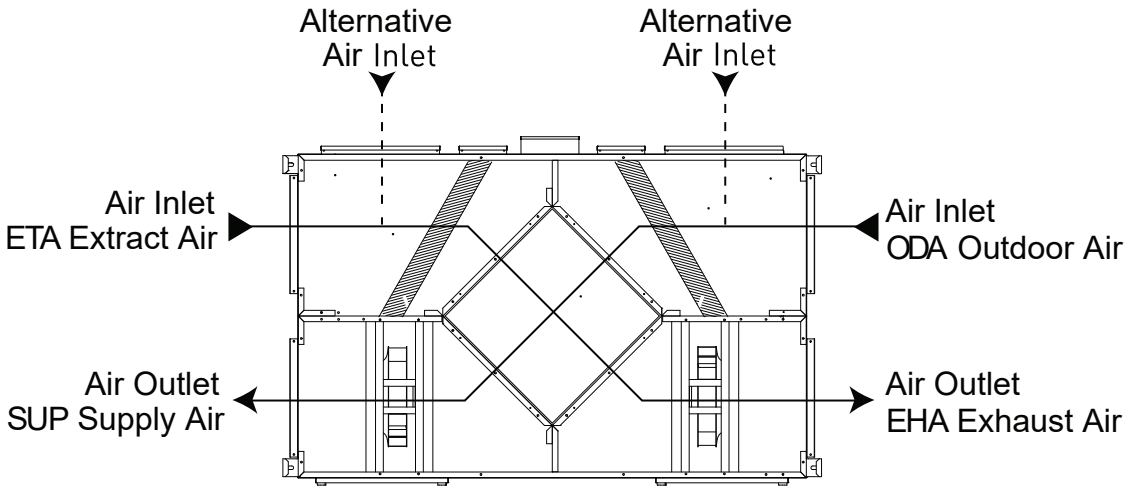
Maksimalni protok vazduha (m3/h) *Maximum flow rate (m3/h)*	5800
Nominalni protok vazduha (m3/h) *Nominal flow rate (m3/h)*	4800
Efikasnost (-5°C OA, 22°C 50%RH RA) *Efficiency (-5°C OA, 22°C 50%RH RA)*	49%
Težina (kg) *Weight (kg)*	210
Filter dovodnog vazduha *Fresh air filter*	G4
Filter izduvnog vazduha *Exhaust filter*	G4
Opseg temperature (1) (°C) *Operating temperature (1) (°C)*	-12/+46

Komunikaciona veza *Communicating informations*	Modbus RTU
Napon *Supply voltage*	380V 50 Hz
Snaga (1) (kw) *Total Power (1) (kw)*	3
Maksimalna struja (A) *Maksimum current (A)*	4,8
Jačina zvuka merena na razdaljini od 3 m (dBA) *Surrouding sound 3m distance (dBA)*	52

INSTALACIJA
INSTALLATION

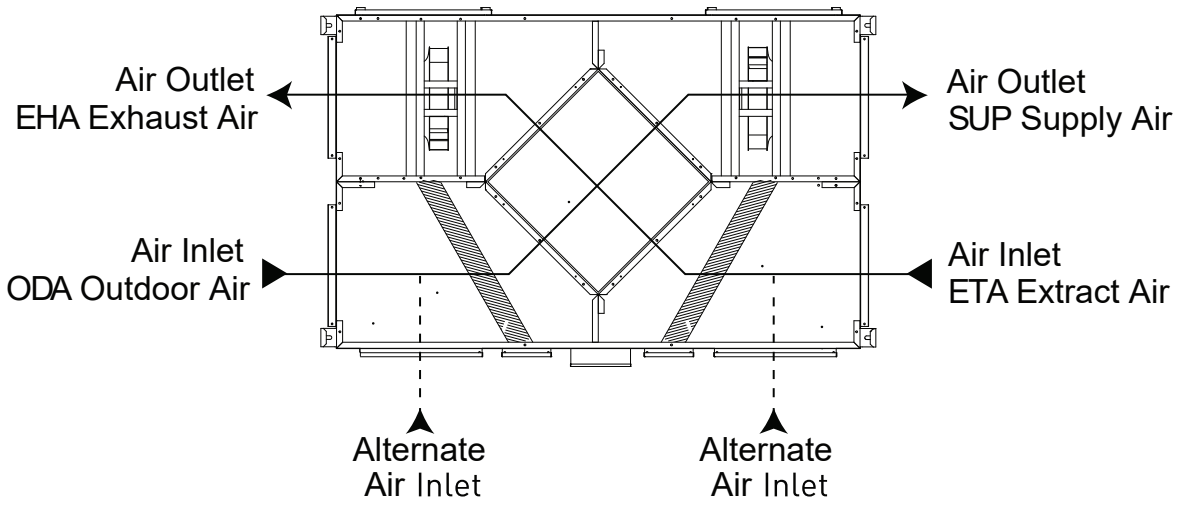
Instalacija sa desne strane

Right hand side installation



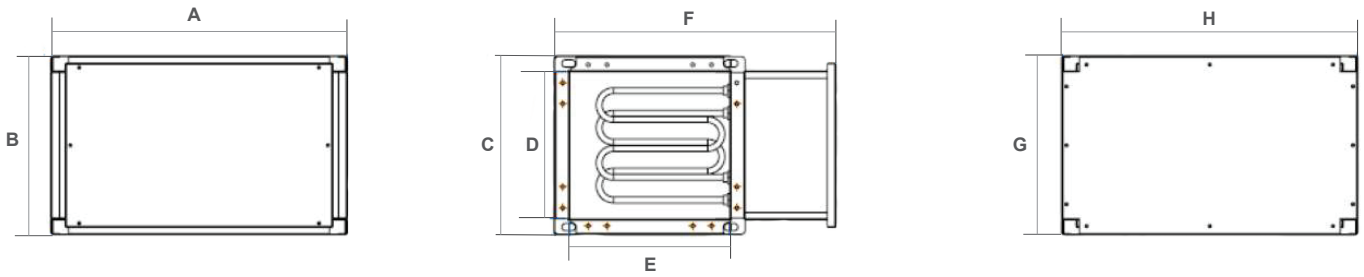
Instalacija sa leve strane

Left hand side installation

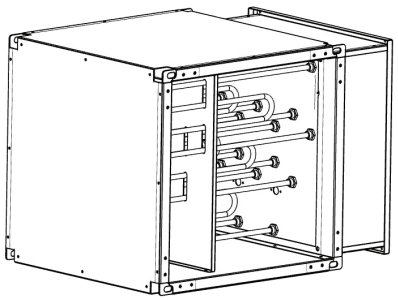


DODATNA OPREMA
ACCESSORIES

Električni predgrejač
Electrical preheater



Model	Kapacitet grejača (kw) Heater capasity (kw)	Struja (A) Current (A)	Dimenzije A [mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	G[mm]	H[mm]	Regulacija Control
Električni grejač za JRH73/700 *Electrical heater for JRH73/700*	2,3	9,8	410	247	247	204	222	390	247	410	Jednostepeni *1 Step*
Električni grejač za JRH73/1200 *Electrical heater for JRH73/1200*	4,5	6,5	410	299	299	256	277	445	299	410	Jednostepeni *1 Step*
Električni grejač za JRH73/1500 *Electrical heater for JRH73/1500*	4,5	6,5	410	299	299	256	277	445	299	410	Jednostepeni *1 Step*
Električni predgrejač za JRH73/2000 *Electrical preheater for JRH73/2000*	6	8,7	410	349	349	306	327	495	349	410	Jednostepeni *1 Step*
Električni predgrejač za JRH73/3000 *Electrical preheater for JRH73/3000*	9	13	410	399	399	356	377	545	399	410	Jednostepeni *1 Step*
Električni predgrejač za JRH73/4000 *Electrical preheater for JRH73/4000*	13,5	19,5	410	449	449	406	427	595	449	410	Jednostepeni *1 Step*
Električni predgrejač za JRH73/5000 *Electrical preheater for JRH73/5000*	18	26	410	497	497	454	482	650	497	410	Jednostepeni *1 Step*
Električni predgrejač za JRH73/6000 *Electrical preheater for JRH73/6000*	22,5	32,5	410	497	497	454	550	718	497	410	Jednostepeni *1 Step*

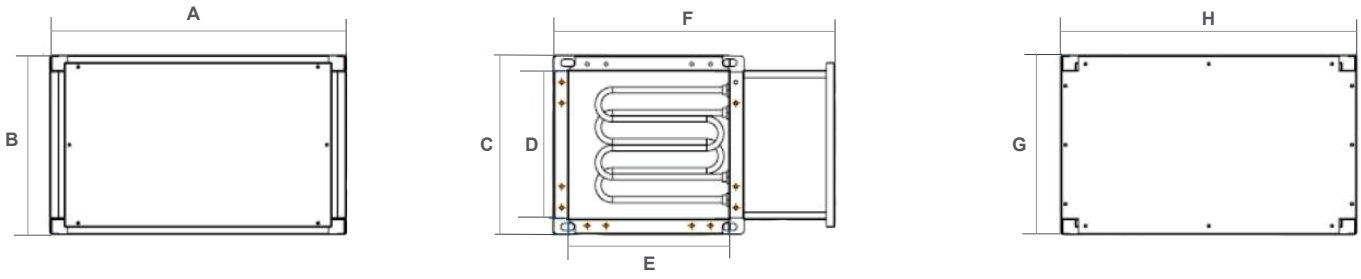


Koristi se za prevenciju zamrzavanja izmenjivača kada je temperatura spoljašnjeg vazduha niska. Električni grejači dolaze u kompletu sa svim električnim komponentama neophodnim za povezivanje sa JAKKA Control Kit 4 kontrolerom. Isporučeni rekuperatori toplote pre maja 2020. godine imaju staru verziju softvera u kontroleru i ne podržavaju predgrejač.

Used in order to prevent freezing at the exchanger in the situations which the outside air is very low. Electrical heaters are equipped with everthing you need to connect with JAKKA Control Kit 4 controler Units deliverd before May 2020. have version of softwer that doesn't support preheater option

DODATNA OPREMA
ACCESSORIES

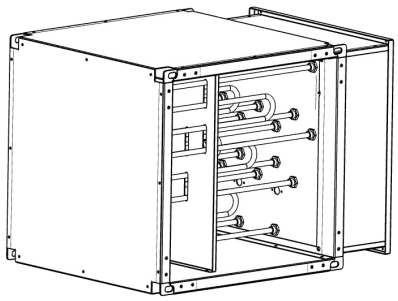
Električni dogrejač
Electrical after heater



Model	Kapacitet grejača (kw) *Heater capasity*	Struja (A) *Current*	Dimenzije A [mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	G[mm]	H[mm]	Regulacija *Control*	Jednostepeni (kW) *1 Step (kW)*	Dvostepeni (kW) *2 Step (kW)*	Trostepeni (kW) *3 Step (kW)*
Električni grejač za JRH73/700 *Electrical heater for JRH73/700*	2,3	9,8	410	247	247	204	222	390	247	410	*Jednostepeni 1 Step*	2,3	-	-
Električni grejač za JRH73/1200 *Electrical heater for JRH73/1200*	4,5	6,5	410	299	299	256	277	445	299	410	Jednostepeni *1 Step*	4,5	-	-
Električni grejač za JRH73/1500 *Electrical heater for JRH73/1500*	4,5	6,5	410	299	299	256	277	445	299	410	Jednostepeni *1 Step*	4,5	-	-
Električni dogrejač za JRH73/2000 *Electrical after heater for JRH73/2000*	6	8,7	410	349	349	306	327	495	349	410	Dvostepeni *2 Step*	3	3	-
Električni dogrejač za JRH73/3000 *Electrical after heater for JRH73/3000*	9	13	410	399	399	356	377	545	399	410	Dvostepeni *2 Step*	4,5	4,5	-
Električni dogrejač za JRH73/4000 *Electrical after heater for JRH73/4000*	13,5	19,5	410	449	449	406	427	595	449	410	Trostepeni *3 Step*	4,5	9	13,5
Električni dogrejač za JRH73/5000 *Electrical after heater for JRH73/5000*	18	26	410	497	497	454	482	650	497	410	Trostepeni *3 Step*	6	12	18
Električni dogrejač za JRH73/6000 *Electrical after heater for JRH73/6000*	22,5	32,5	410	497	497	454	550	718	497	410	Trostepeni *3 Step*	7,5	15	22,5

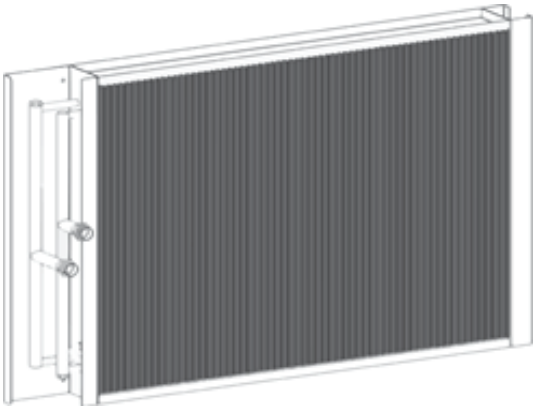
Koristi se za dogrevanje dovodnog vazduha. Uključuje se automatski u zavisnosti od željene temperature i željene temperature dovodnog vazduha. Električni grejači dolaze u kompletu sa svim električnim komponentama neophodnim za povezivanje sa JAKKA Control Kit 4 kontrolerom.

Used for increasing the supply air temperature. Operates automatically according to desired room temperature or desired supply temperature. Electrical heaters are equipped with everthing you need to connect with JAKKA Control Kit 4 controler



DODATNA OPREMA
ACCESSORIES

Toplovodni izmenjivač
Water heater



Koristi se za zagrevanje dovodnog vazduha. Uključuje se automatski u zavisnosti od željene temperature i željene temperature dovodnog vazduha.

Used for increasing the supply air temperature. Operates automatically according to desired room temperature or desired supply temperature.

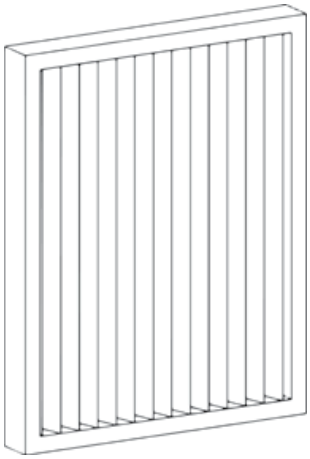
Model	Kapacitet grejača (kw) *Heater capasity*	Temperatura vode (°C) *Water Regime*	Regulacija *Control*
Toplovodni izmenjivač za JRH73/700 Water heater for JRH73/700	3,1	80-60	on/off
Toplovodni izmenjivač za JRH73/1200 *Water heater for JRH73/1200*	5,2	80-60	on/off
Toplovodni izmenjivač za JRH73/1500 *Water heater for JRH73/1500*	6,8	80-60	on/off
Toplovodni izmenjivač za JRH73/2000 *Water heater for JRH73/2000*	8,8	80-60	on/off
Toplovodni izmenjivač za JRH73/3000 *Water heater for JRH73/3000*	13	80-60	on/off
Toplovodni izmenjivač za JRH73/4000 *Water heater for JRH73/4000*	17	80-60	on/off
Toplovodni izmenjivač za JRH73/5000 *Water heater for JRH73/5000*	21,3	80-60	on/off
Toplovodni izmenjivač za JRH73/6000 *Water heater for JRH73/6000*	24,4	80-60	on/off

Uz toplovodne izmenjivače se ne isporučuje trokraki ventil za kontrolu njihovog rada

Three-way valve used for control of water heater, isn't included.

DODATNA OPREMA
ACCESSORIES

Filteri
Filters



Model	Dimenzije DxVxŠ *Dimensions LxHxW*	Količina po uređaju *Pieces per unit*
Filter za JRH73/700 Filter for JRH73/700	328x226x48	2
Filter za JRH73/1200 Filter for JRH73/1200	386x286x48	2
Filter za JRH73/1500 Filter for JRH73/1500	386x335x48	2
Filter za JRH73/2000 Filter for JRH73/2000	538x405x48	2
Filter za JRH73/3000 Filter for JRH73/3000	595x455x48	2
Filter za JRH73/4000 Filter for JRH73/4000	625x525x48	2
Filter za JRH73/5000 Filter for JRH73/5000	625x555x48	2
Filter za JRH73/6000 Filter for JRH73/6000	683x595x48	2

SENZORI / DIFERENCIJALNI PRESOSTAT
SENSORS / DIFFERENTIAL PRESSURE SWITCH

Senzor kvaliteta vazduha
Air quality sensor



Regin CTDT 2

Senzor kvaliteta vazduha (CO2) se nalazi unutar kanala i konstantno vrši merenja. Prema tim merenjima se zatim menja brzina ventilatora. Ukoliko je kvalitet vazduha lošiji nego što je podešeno, brzina ventilatora se povećava, samim tim je veći dotok vazduha. Ako senzor meri veći kvalitet vazduha brzina ventilatora se smanjuje, samim tim dotok vazduha opada. Tako se postiže značajna ušteda energije.

Located in inside of critical volume or return duct, the optional air quality sensor (CO2) consistently measures the air quality. This value, as being compared with set value which is arrenged on control, creates operating which changes fan's speed. If the air in room is lower than desired air quality, the fan speed is increased so fresh air amount increased, if the air in room is higher than desired air quality , the fan speed is decreased so, fresh air amount decreased; Thus, a significant energy save is provided at the heating or cooling loads caused by the fresh air.

Diferencijalni presostat
Differential Pressure Switch



Dwyer ADPS-08-2-N

ADPS diferencijalni presostat vrši detekciju protoka vazduha kroz ventilacioni kanal. To se ostvaruje pomoću razlike pritiska u kanalu i atmosferskog pritiska.

The ADPS Adjustable Differential Pressure Switch detects the air flow through the ventilation duct. This is achieved by the difference between the pressure in the duct and the atmospheric pressure.

KONTROLERI
CONTROLS

Jakka kontroler 4
Jakka control kit 4



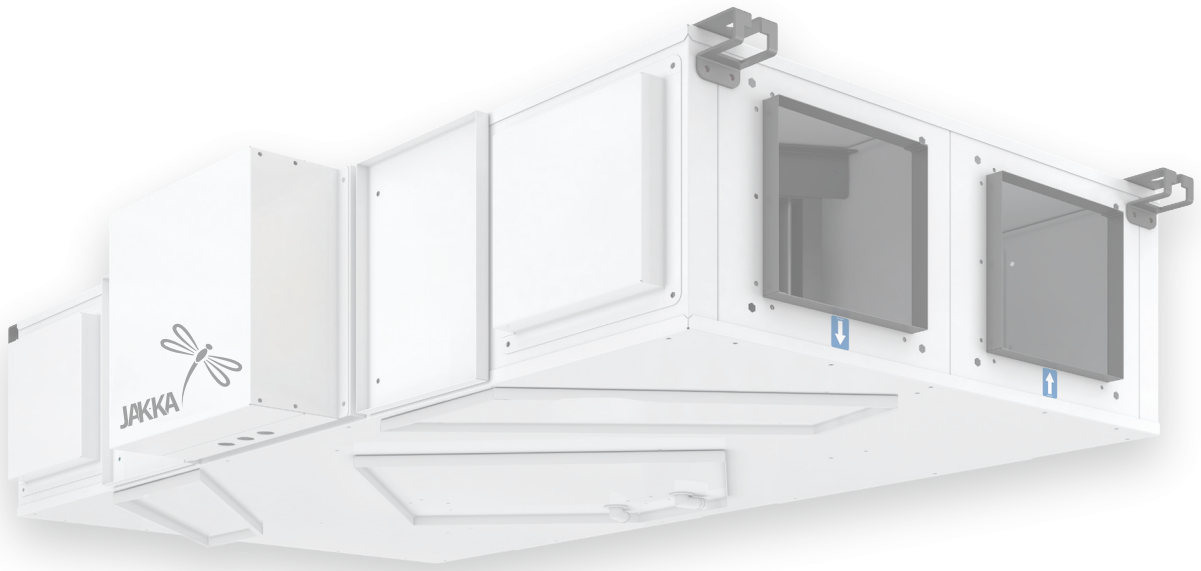
Power supply		**230V,50Hz (± 2%)**
Temperatura vazduha *Ambient temperature*	Functional storage	0 to +60C (-25 to +75°C)
Vlažnost vazduha *Humidity*		93% at 25°C
Osigurači *Fuses*	230V	T.B.D
Zaštita *Protection*	Prema EN60529 According to EN60529	IP00
Dimenzija *Dimensions*	DxŠxH l × w × h	205mm×144mm×38mm
Težina *Weight*		530 g

Mogućnosti JAKKA Control Kit 4 kontrolera :
1. Nezavisna regulacija ventilatora na usisu i potisu u 3 koraka
2. Odvojeno povezivanje termičkih zaštite za oba motora
3. Softversko upozorenje za čišćenje filtera nakon 1.200h rada
4. Do 3 priključka za temperaturske sonde (NTC10k)
5. Priključak za radni i sigurnosni termostat električnog predgrejača
6. Vođenje električnog I-stepenog predgrejača
7. Priključak za radni i sigurnosni termostat električnog dogrejača
8. Binarno vođenje električnog I ili II-stepenog dogrejača
9. ON/OFF kontrola elektromotornog ventila toplovodnog izmenjivača
10. Priključak za CO2 senzor (VOD režim kada ima senzor)
11. Sedmična dvokratna programska šema rada
12.Modbus-RTU protokol (opciono, mora da se naglasi)

NAPOMENA:
Opcije 7+8 ili 9, ne i sve tri od jednom;
Ako se koristi opcija 12 onda ne može se koristiti opcija 6
Opcija 8 može da vodi III-stepeni dogrejač
NOTE:
Options 7+8 or 9, not all three at once
If option 12 is used then option 6 cannot be used
Option 8 can run a stage III afterheater

Features of the JAKKA Control Kit 4 controllers:
1. Independent regulation of fans on inlet and outlet in 3 steps
2. Separate connection of thermal protection for both motors
3. Software warning for filter cleaning after 1,200 hours of operation
4. Up to 3 connections for temperature probes (NTC10k)
5. Connection for the working and safety thermostat of the electric preheater
6. Control of the electric I-stage preheater
7. Connection for the working and safety thermostat of the electric afterheater
8. Binary control of the electric I or II stage afterheater
9. ON/OFF control of the electric valve of the hot water exchanger
10. Connection for CO2 sensor (VOD mode when it has a sensor)
11. Weekly twice program work schedule
12. Modbus-RTU protocol (optional, must be emphasize)

2023



JAK-KA®

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