



DOBRO DOŠLI

KO JE CARLIEUKLIMA?

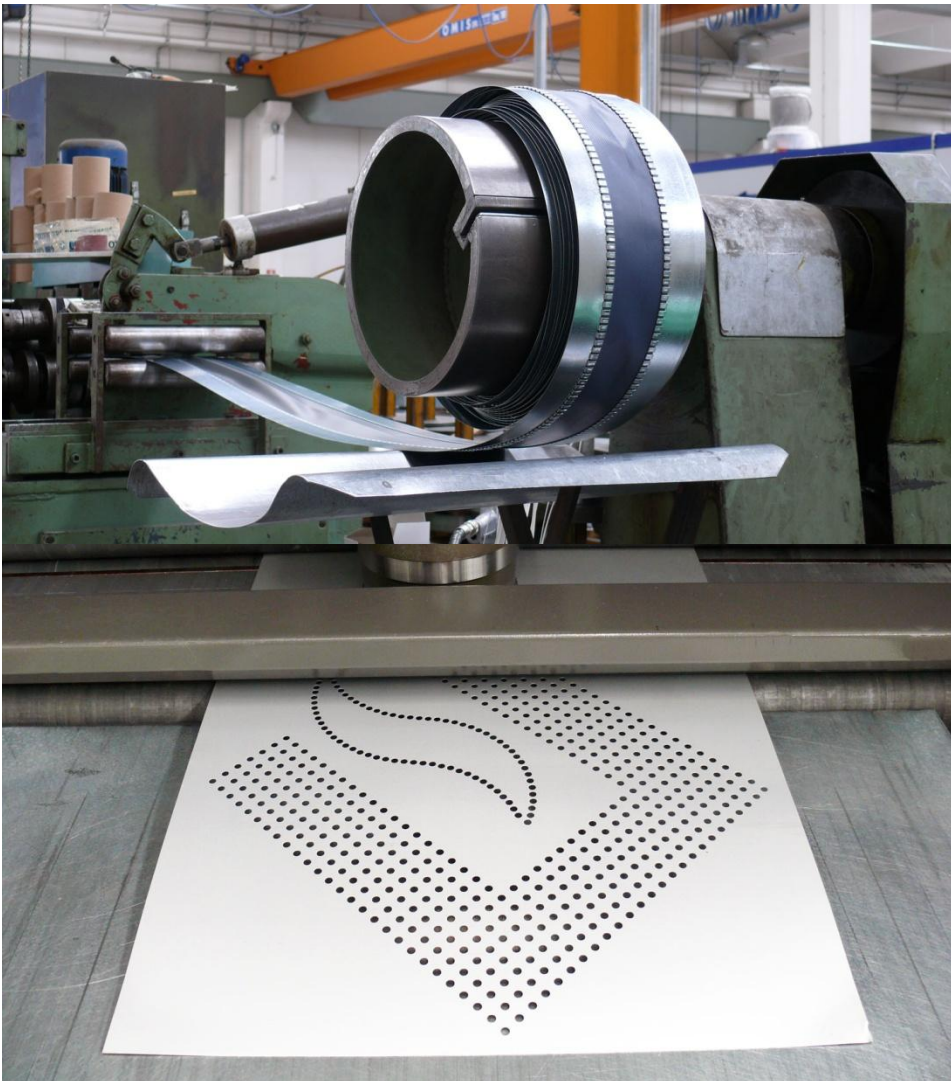
CARLIEUKLIMA je moderna poslovna organizacija , rezultat strateške unije između mladalače i dinamične Euklima srl, kompanije lider u proizvodnji sistema za grejanje i toplotnih solranih panela , veteranske kompanije Carli Mario Spa, a kompanije sa višedecenijskim iskustvom u radu sa metalnim proizvodima a potom u proizvodni pribora i materijala za vazdušne kanale .

Sedište Carlieuklima gde je zaposleno 60 radnika u pokrivenoj površini od 10,000 m², je u industrijskoj zoni mesta Fontanafreda , u provinciji Pordenone, prosperitetnom industrijskom i zanatskom centru regije Friuli-Venezija Julija.

CARLIEUKLIMA je sebi postavila ambiciozni cilj kompanije da bude značajna na tržištu sa svojim posebnim osvrtoom na uštedu energije i razvoj tehnološki napredne opreme u oblasti obnovljivih izvora energije..

Ovo su osnova strategije CARLIEUKLIMA, koja promovise svoju komercijalnu politiku pokušavajući da spoji ritmove moderne kompanije sa vrednostima uštede energije, udobnosti i poštovanja životne sredine.

SEGMENTI PROIZVODNJE



SEGMENTI PROIZVODNJE



CERTIFIKAT KVALITETA

Certificato



Partner for progress

Number	K1-057781		
Issued	22-07-2013	First edition	10-10-2001
Valid until	30-07-2016	EA/Scope	17; 28b; 29b

Certificate of Quality Management System
ISO 9001:2008

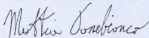
Kiwa has determined that
Quality Management System employed by

CARLIEUKLIMA S.P.A.

complies to UNI EN ISO 9001:2008 and in accordance with ACCREDIA RT-05 document (only for EA 28) the area of:

design, production, installation and after-sales service of radiant heating systems for large areas; heating equipment and systems, conditioning and air-conditioning systems. Tinsmith accessories production and marketing; sheet metal articles production for construction industry, heating and air conditioning systems.

Kiwa Italia S.p.A.
Mattia Panebianco



This certificate refers to the managerial aspects of the company in its entirety and can be used for the qualification of construction companies in compliance with and for uses provided for in article 8 of law number 109 dated 11.02.1994 of the Presidential Decree no. 34 dated 25.01.2000, and subsequent amendments.
This certificate comprises one page.
The certificate can be published.
For punctual updated information regarding any variations occurring in certification status relating to this certificate, please contact our company.

Kiwa Italia S.p.A.
Via Tadini, 32/34 - 31020 San Veneriano (TV)
Tel 0438 411755 Fax 0438 22428
Internet www.kiwa.it
e-mail info@kiwa.it



ACCREDIA
ENTE NAZIONALE DI ACCREDITAMENTO
ISO 9001:2008
ACCREDITED
RT-05

Provvedimento degli Accordi di Mutual Recognition
EU, UK e EFTA
Signature of EA, UK and EFTA
Mutual Recognition Agreements

Site
CARLIEUKLIMA S.P.A.
Via Fossaluzza, 12
33074 - Fontanafredda (PN)

ПРОДУКЦИЯ СЕРТИФИЦИРОВАНА



GDE SMO PRISUTNI ?



NEKE OD NAŠIH REFERENCA

FCA

FIAT CHRYSLER AUTOMOBILES

ABB



Lufthansa

IVECO
CNH



BERETTA

GOLDONI

RFI



LG

MEP

fonderie ariotti

MARCEGAGLIA

breton

TOSHIBA

Nestlé

ITALCAB

ENEA

Piovan

DENSO

SOFIDEL
Endless care, innovative life.

anaria
CERAMICA

ferroli

ENDURANCE
OVERSEAS

KEYLINE
Innovators by design | Since 1770
A BIANCHI 1770 GROUP COMPANY

GRUPPO
gabrielli
STEEL SERVICE NETWORK

REFEL
REFRATTARI ELETTOFUSI

wilo

CATERPILLAR®

FASSI

DHL

TRENITALIA
GRUPPO FERROVIE DELLO STATO ITALIANE



Electrolux

KOMATSU

LANDIRENZO®

SAINT-GOBAIN

ArcelorMittal

25 July 2017

www.carlieuklima.com

NAŠA DELATNOST

EUICALOR



RADIJACIJSKI
DIFUZORI

EUCERAMIC



Radijacijske
grehne cevi
EURAD

MULTIEURAD



Radijacijske
grehne trake

EUCERK



Radijacijski
plafonski
paneli

EUTERM



Vazdušne
barijere

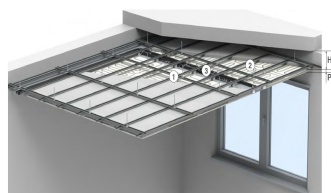
EUWIND



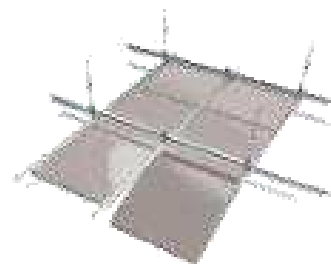
Toplotni
vazdušni
generatori
EUGEN

BLife

**Najbolja
solucija
klimatizacije**



Radiantni
plafoni i zidovi
BLife



Metalni radiantni
paneli BLife

EUCOLD



Sistemi
hladjenja
isparivanjem

EUPROFIL



Prirubnice i pribori za klima
vazdušne kanale



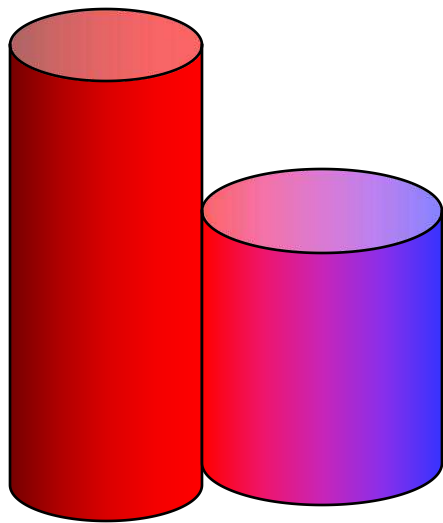
GREJANJE RADIJACIJOM

MEHANIZMI TRANSMISIJE TOPLOTE

- Kondukcijom
- Konvekcijom
- Radijacijom



KONDUKCIJA



**Toplotna razmena između čvrstih, tečnih
ili plinastih tela koja su na različitim
temperaturama u kontaktu bez
očiglednog kretanja materije**

KONVEKCIJA



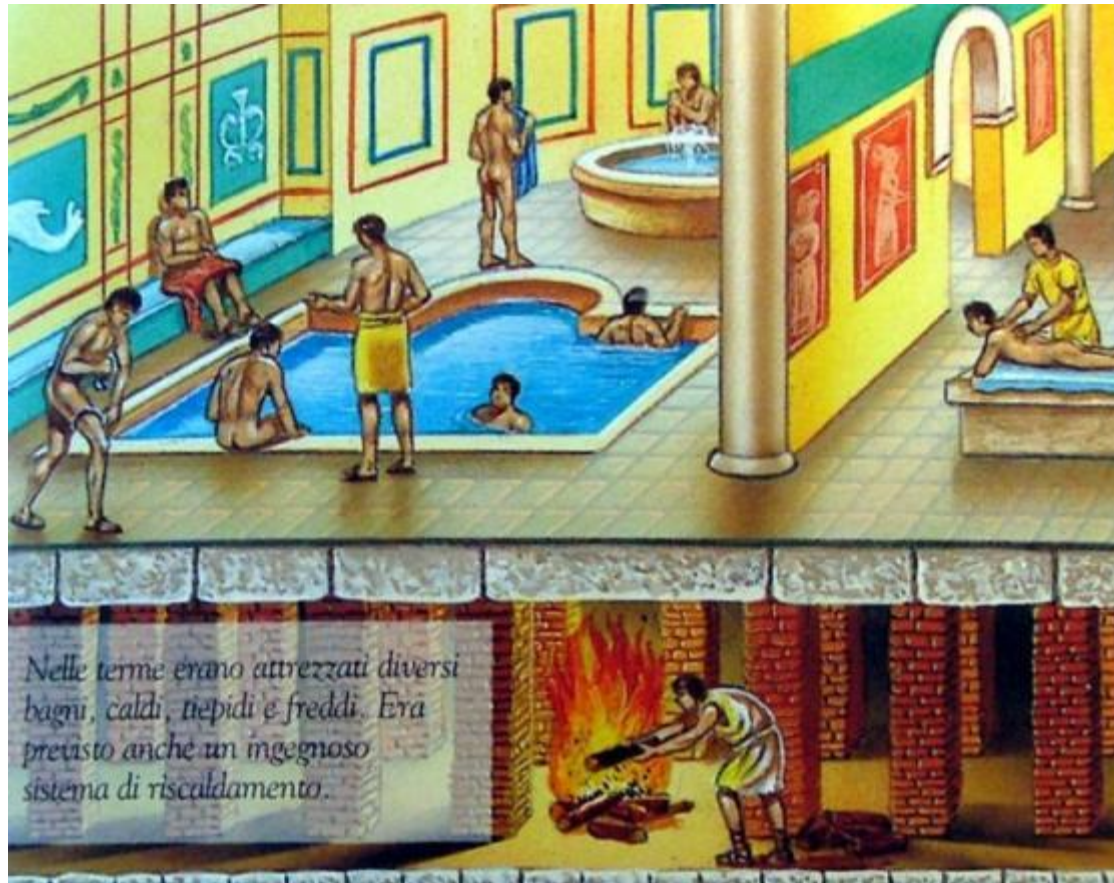
- Prenos toplote između dva sistema na različitim temperaturama i u kontaktu jedna s drugim.
U većini slučajeva jedan od dva sistema je tečnost u pokretu

RADIJACIJA



- - Razmena energije pomoću elektromagnetnih talasa između čvrstih, tečnih i gasnih tela
- Energija se prenosi i u vakumu
- Intenzitet emisije je u funkciji apsolutne temperature

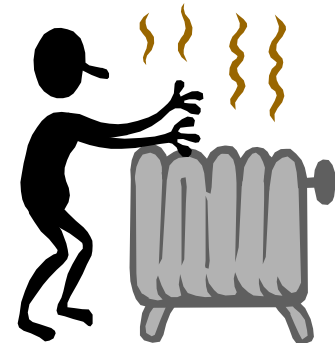
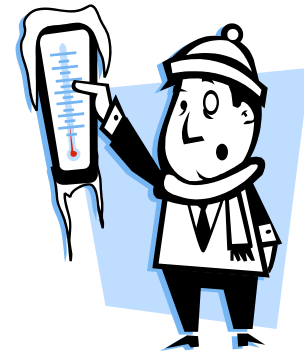
ISTORIJA RADIJACIJSKOG GREJANJA



ZADOVOLJSTVO TERMIČKIM OKRUŽENJEM

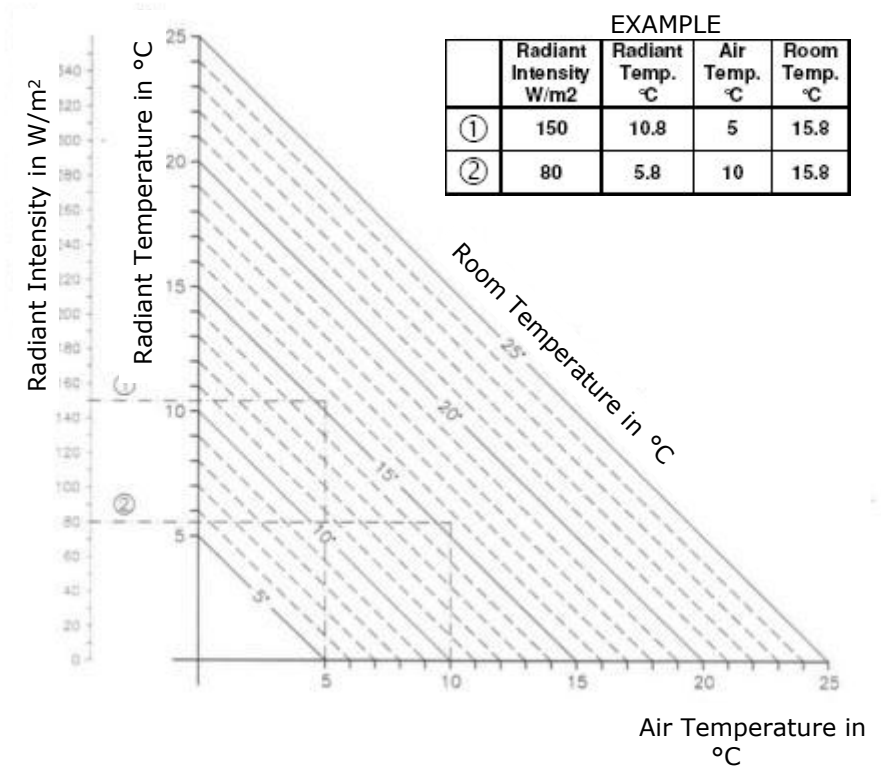
Zadovoljstvo osobe termalnim i temperaturnim okruženjem zavisi od :

- Temperature vazduha
- Prosečne temperature zidova
- Prosečne vlage u vazduhu
- Stujanje vazduha u ambijentu
- Fizičke aktivnosti u ambijentu
- Tipa odeće



ZONA KOMFORA

Komfor zavisi od temperature koja je merena u vazduhu i na zidovima. Sa niskom temperaturom vazduha, odgovara visoka temperatura zidova i obrnuto.



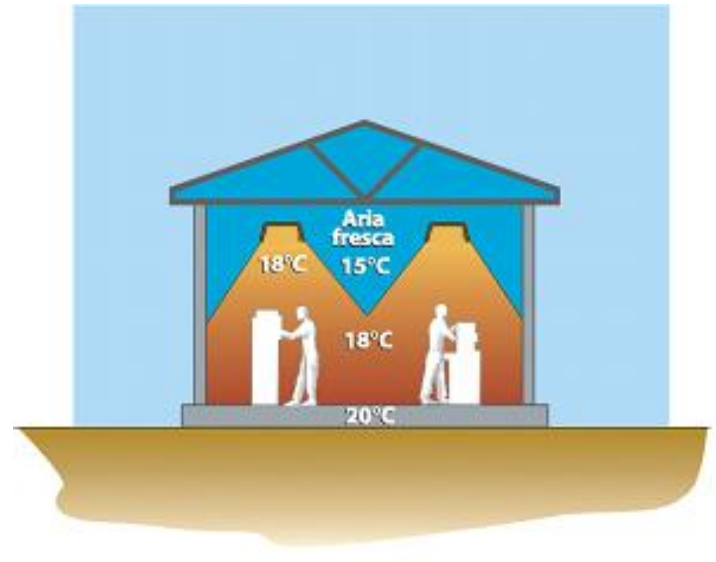
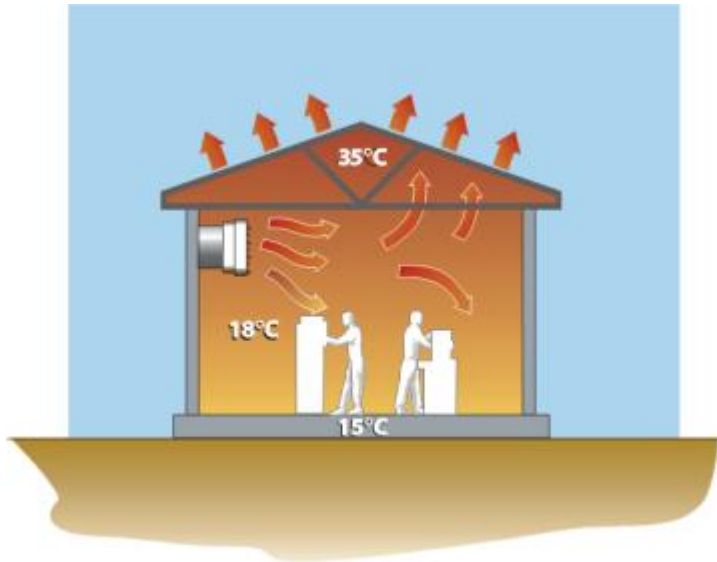
Sistem grejanja

KONVEKCIJOM

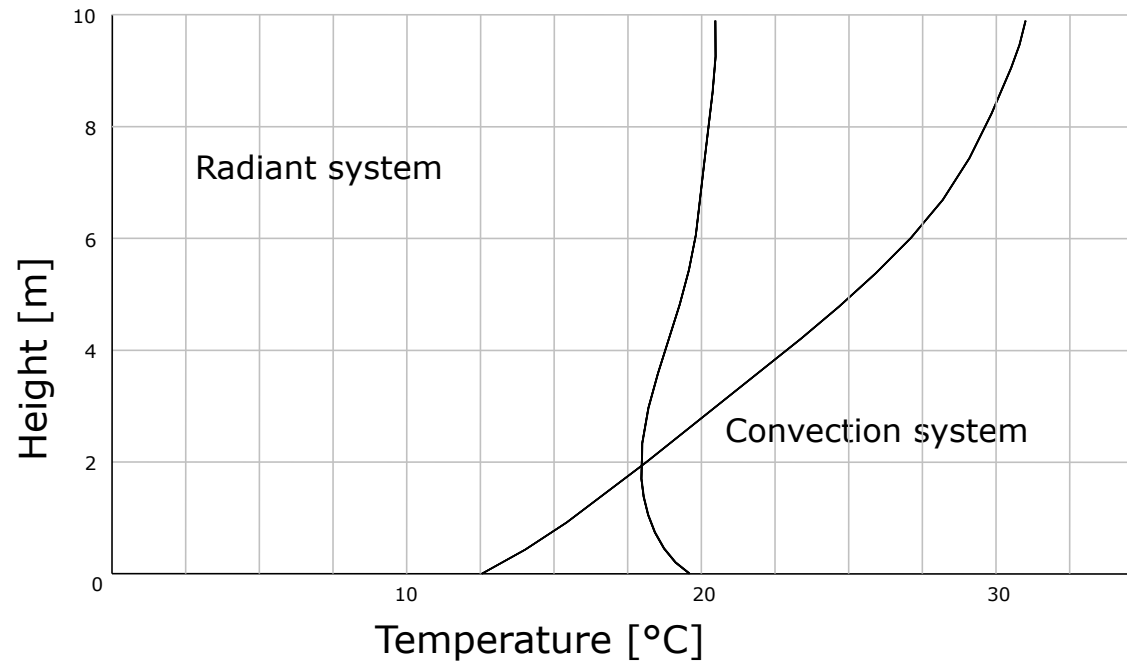
GREJE SE VAZDUH
($T_{\text{vazduha}} > T_{\text{zidova}}$)

RADIJACIJOM

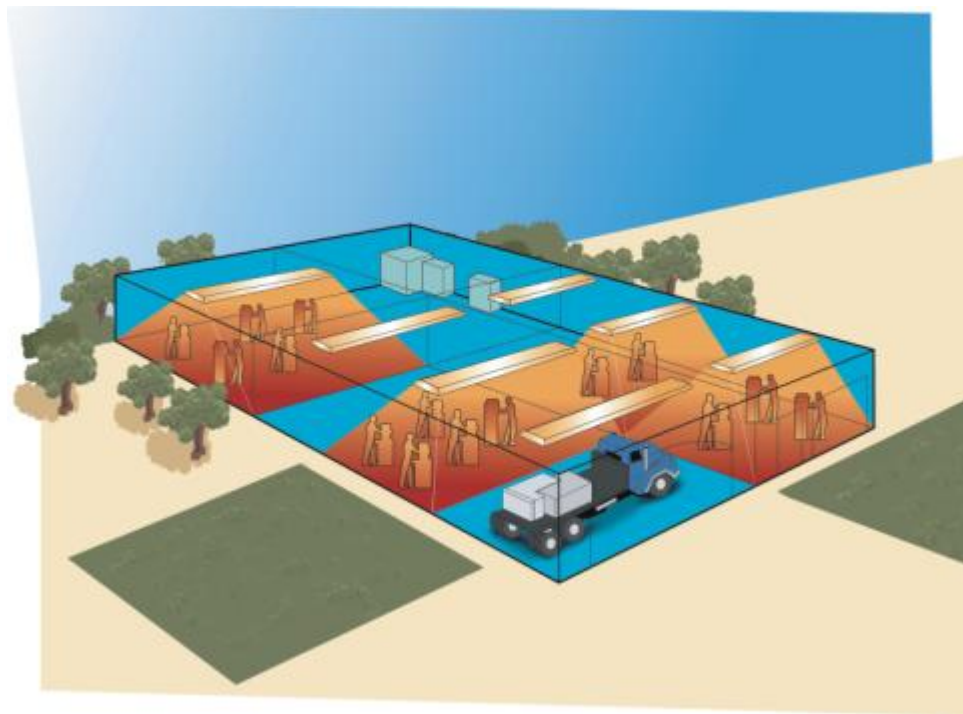
Greju se površine a tek potom okruženje
($T_{\text{vazduha}} < T_{\text{zidova}}$)



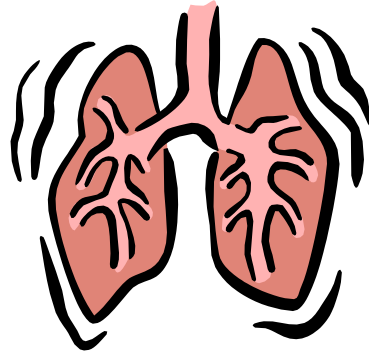
- TERMIČKI DIJAGRAM DISPERZIJE



- Mogućnost grejanja po zonama



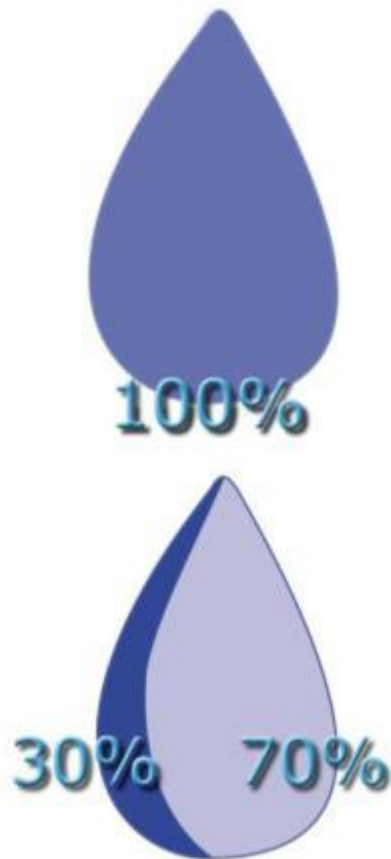
- Bez kretanja vazduha i prašine



- Bez buke i zvuka



Zašto onda radijacija ?



- **Omogućava strateško lokalizovanje distribucije grejanja, bez gubitaka**

Ne koristi energiju za prenos tečnosti

Smanjuje termičku inerciju, a zatim i snagu koju koriste sistemi za njihov rad punom snagom

Podržava generatore na gas sa visokim toplotnim prinosom

REZULTATI: Smanjenje 70% standardnih operativnih troškova



- Briga za životnu sredinu



DIZAJN ELEMENATA ZA RADIJACIJSKE SISTEME

METODA CARLIEUKLIME

- Statička disperzija (disperzija grejanja kroz zidove)
izračunata na operativnim temperaturama :

$$Q = K A (T_{op} - T_{es})$$

K = Globalni koeficijent prenosa

A = Površina zidova

T_{op} = Radna temperatura

T_{es} = Zadata spoljna temperatura

- Dinamičke disperzije (uzrokovane zagrevanjem vazduha) računato na radnoj temperaturi :

$$Q = n * V * \rho * c_p * (T_{op} - T_{es})$$

n = broj zamene vazduha po satu

V = zapremina prostora

ρ = gustina vazduha

c_p = specifična toplota

T_{op} = radna temperatura

T_{es} = zadata spoljna temperatura

IZBOR OPERATIVNE TEMPERATURE NA OSNOVU NIVOA AKTIVNOSTI

1. Laka sedeća aktivnost max = 20-22°C
2. Srednja sedeća aktivnost max = 19-20°C
3. Standardna sedeća aktivnost max = 18°C
4. Laka stojeća aktivnost max = 17-18°C
5. Srednja stojeća aktivnost max = 16-18°C
6. Standardna stojeća aktivnost max = 15-17°C
7. Aktivnost sa lakim kretanjem max = 14-16°C
8. Aktivnost sa srednjim kretanjem max = 13-15°C
9. Aktivnost sa kretanje u kontinuitetu max = 12-14°C
10. Teški radovi sa kontinuiranim kretanjem max = 10-11°C



- **Povećanja/smanjenja po sledećim korektivnim koeficijentima**

- + KAH za visinu instalacije
- + KAF za oblik konstrukcije/zgrade
- + KAI za isprekidane oprecije
- KRR za globalnu redukciju

SOFTWARE "CARLIEUKLIMA" ZA SIMULACIJU TEMPERATURE RADIANTNOG GREJANJA

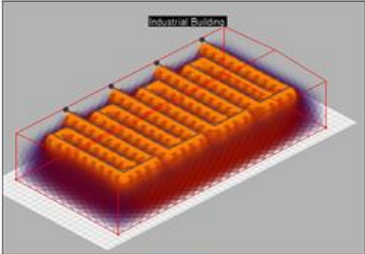
EUCERK „jedan gorionik na plin sa velikim radijantnim cevima “:

INPUT (spoljni parametri - unutrašnji parametri)

OUTPUT (sistem uredjaja : tip i broj)

Project name: **EUCERK simulation** 

Industrial Building



General

Name	EUCERK SIMULATION
Description	

Environment

External temperature [°C]	-10.0
Ground temperature [°C]	5.0
Usage days [g]	120
Day degrees [°C/g]	2450

Rooms

Room parameters:

Geometry:

Name	Industrial Building
Group	Room
Height [m]	15.0
Size [m]	80.0; 40.0
Volume [m³]	60080.00
Plan area [m²]	3200.00
Isotonic dispersive area [m²]	10058.75
Real dispersive area [m²]	10058.75

System machines:

Type	EUCERK204
Tube type	Double
Tube temperature [°C]	200.00
Set exhaust	no
Galvanized frame	no
Aluminium outdoor cover	no

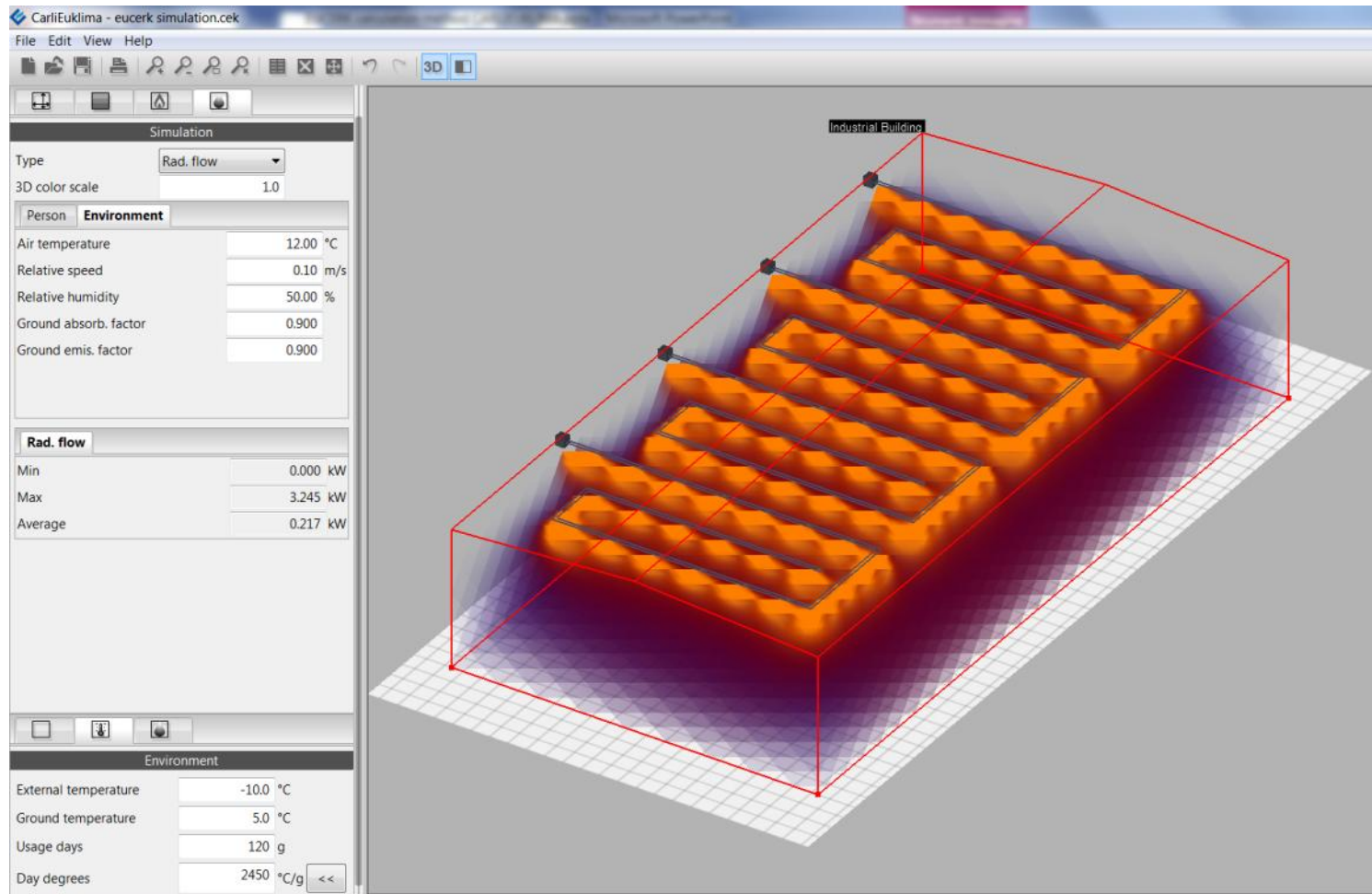
System:	
Room temperature [°C] – Operative temperature	16.00
Air exchange [1/h]	0.50
Activity type	1
Usage hours [h]	14.00
Total Q [kW]	486.024
Thermal needs [kW]	463.799
Thermal input [kW]	524.625
Installed power [kW]	816.000
Total yield [%] (combustion*emission*regulation*distribution)	88.41
Machines	4
Methane consumption [m³] / year	34152
GPL consumption [kg] / year	23347
Diesel consumption [l] / year	33060
Total tubes length [m]	419.818
Machine tubes length [m]	104.955

SOFTWARE "CARLIEUKLIMA" ZA SIMULACIJU TEMPERATURE RADIANTNOG GREJANJA

EUCERK " jedan gorionik na plin sa velikim radijantnim cevima ":

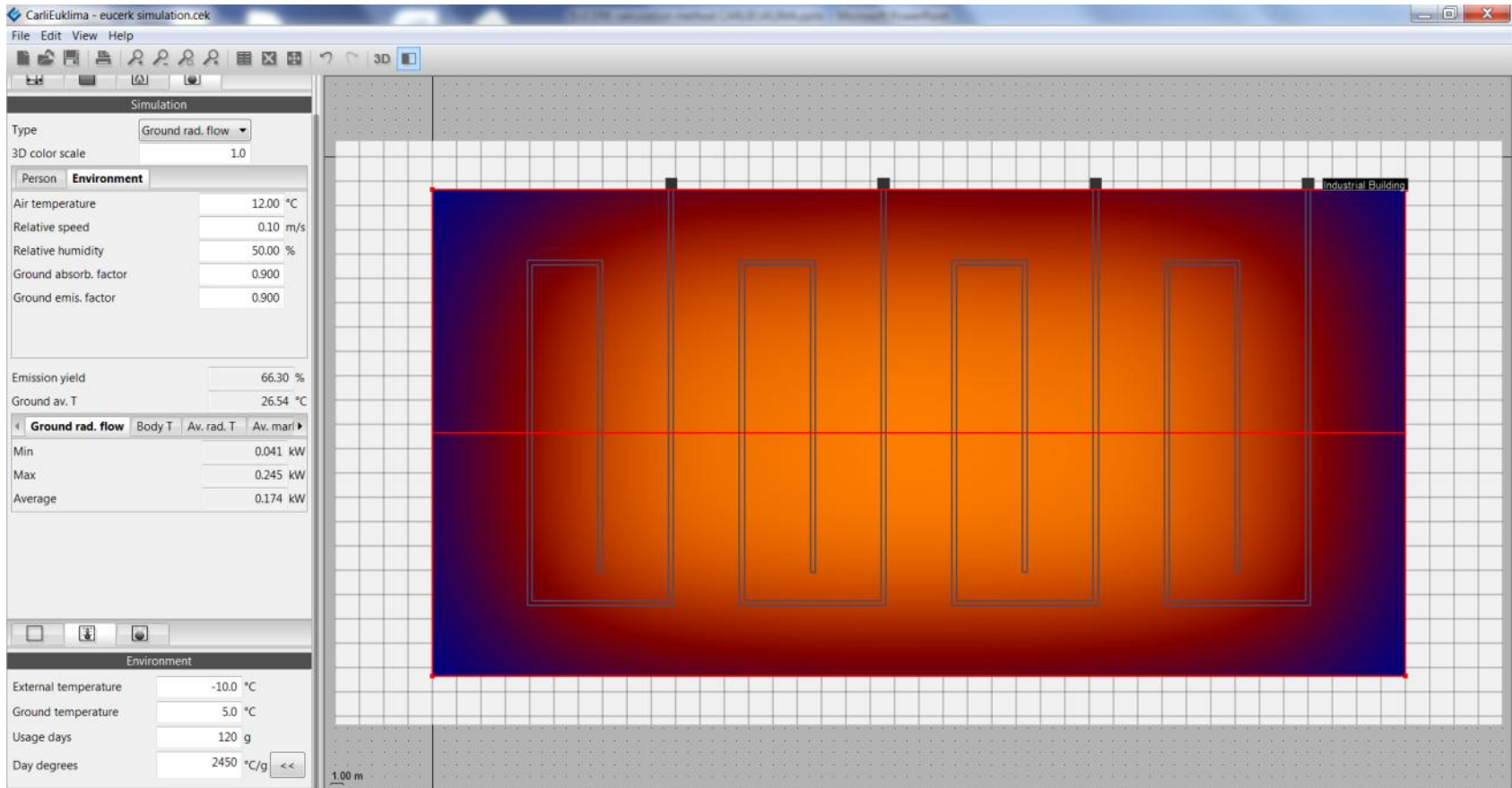
RADIJANTNA SNAGA sa velikim radijantnim cevima

Rad. snaga (W/m^2)

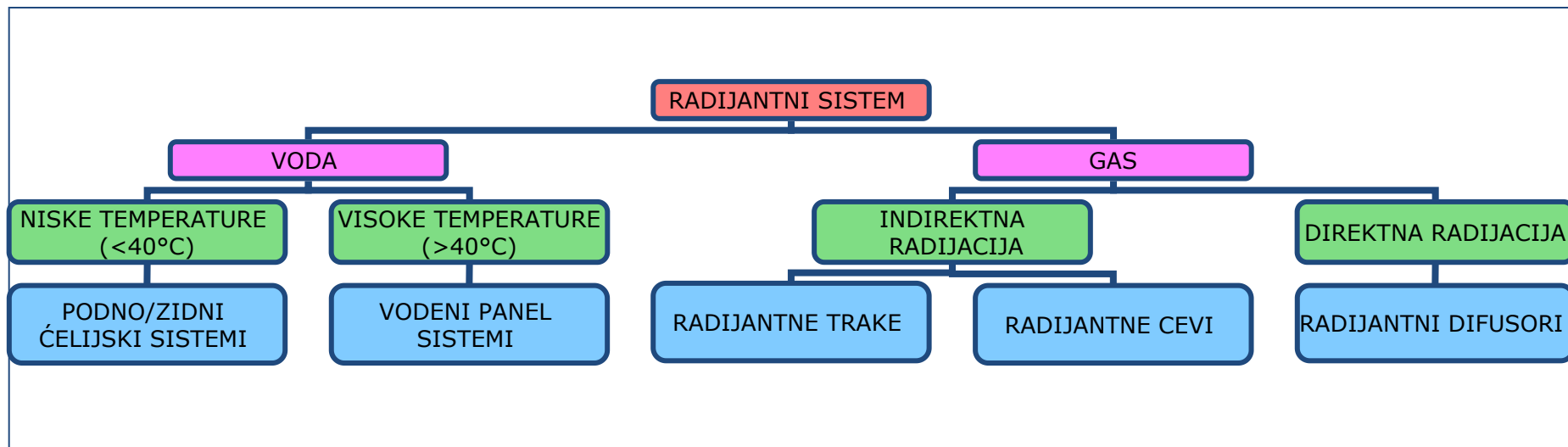


SOFTWARE "CARLIEUKLIMA" ZA SIMULACIJU TEMPERATURE RADIJANTNOG GREJANJA

EUCERK „jedan gorionik na plin sa velikim radijantnim cevima “:
Distribucija RADIJANTNE SNAGE na podu
Podna rad. Snaga (W/m^2)



VRSTA RADIJANTNIH SISTEMA GREJANJA PODELJENE TIPOM ALIMENTACIJE



KARAKTERISTIKE PROSTORA KOJI TREBA GREJATI	EUTERM	EUCERK	EURAD	MULTI EURAD	EUCERAMIC	EUGEN	BLife	Blife METAL
Visina instalacije sistema manja od 4 metra	*****	Nakon provere kategorije rizika	Nakon provere kategorije rizika	Nakon provere kategorije rizika	**	*****	*****	*****
Visina instalacije sistema između 4 i 10 metara	*****	*****	*****	*****	*****	*****	***	*****
Visina instalacije sistema veća od 10 metara	**	***	****	*****	*****	***	*	***
Nizak nivo cirkulacije vazduha	*****	****	****	****	*	****	*****	*****
Visok nivo cirkulacije vazduha	*	***	****	****	*****	****	***	****
Prostori u kojima procesi i koncentracije ili skladišteni materijali uzrokuju stvaranje gasa, pare i / ili prašine koja može uzrokovati požare i / ili eksplozije	*****	Nakon provere kategorije rizika	Nakon provere kategorije rizika	Nakon provere kategorije rizika	*	Samo sa jedinicom napolju ****	*****	*****
Zahtev za grejanje po zonama	**	***	****	****	*****	*	****	*****
Zahtev ekstremne tišine	*****	***	***	***	*****	***	*****	*****
Instalacija na otvorenim ili poluotvorenim lokacijama	*	***	****	****	*****	*	*	**
Uslovo brzog postizanja komforosti	**	***	****	****	*****	***	***	*****
Uniformisana distribucija grejanja	*****	****	***	****	**	***	*****	*****
Izgled sistema	*****	***	***	****	*****	***	*****	*****
Dostupnost tople vode iz proizvodnog procesa	*****	*	*	*	*	*	*****	*****

RADIJANTNI SISTEM:

***Ne preporučljivo**

**** nije preporučljivo**

***** vrlo preporučljivo**

****** visoko preporučljivo**

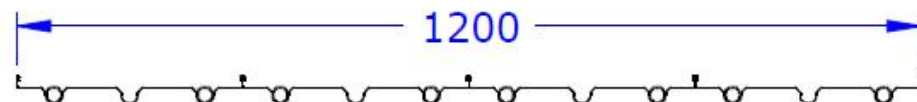
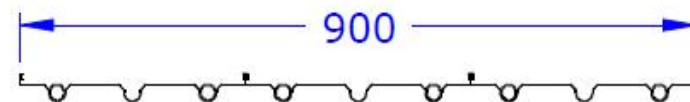
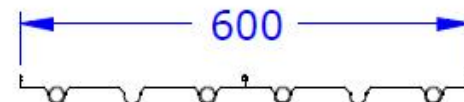
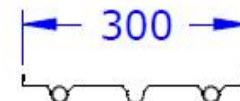
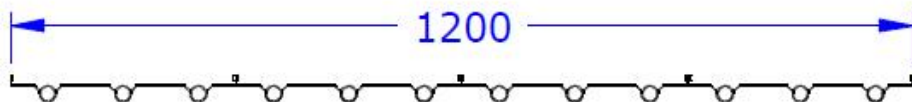
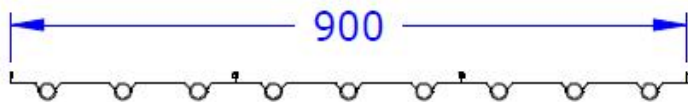
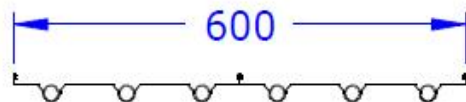
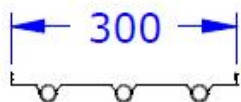
*******optimalna solucija**



EUTERM

PLOČASTI RADIJATORSKI PANELI

Spajanjem više sekcija, moguće je raspolagati radijantnim panelima širine 600 - 900 - 1200 mm

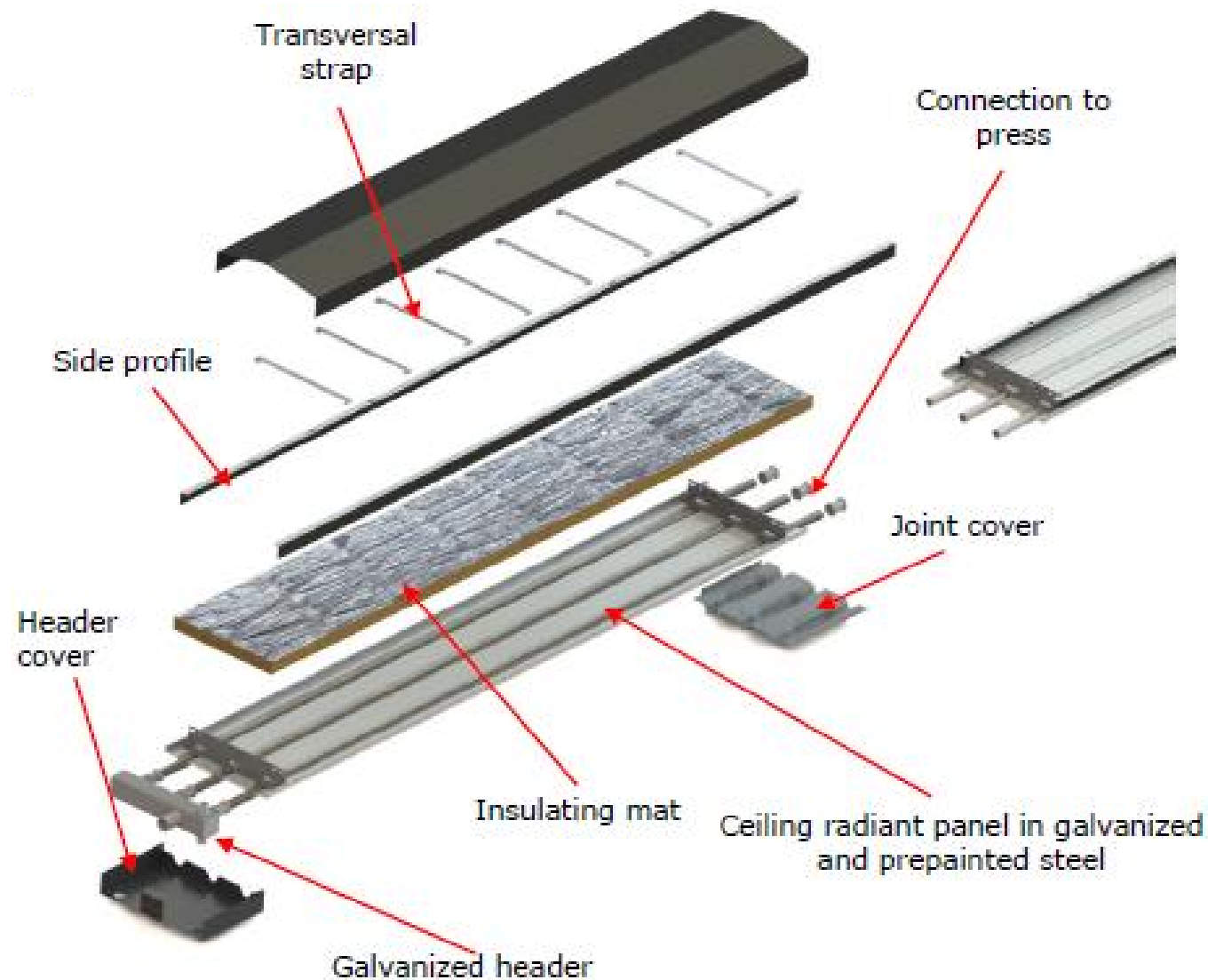


Za sve modele, dužina panela može biti 2, 4 ili 6 metara

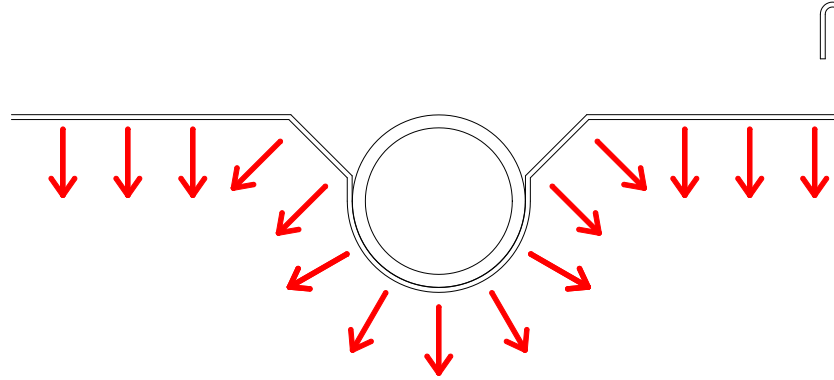
Prednosti EUTERM-a upoređeni sa tradicionalnim sistemima za grejanje

1. Veći komfor sa nižim temperaturom vazduha
2. Nedostatak termičkog gradijenta manje disperzija
3. Nema kretanja vazduha i nedostatka suspendovanih čestica prašine
4. Apsolutna tišina
5. Sigurnost u opasnom okruženju (prisustvo zapaljivih materijala)
6. Mogućnost zagrevanja ili hlađenja lokalno (po zonama)
7. Ušteda goriva
8. Briga za životnu sredinu

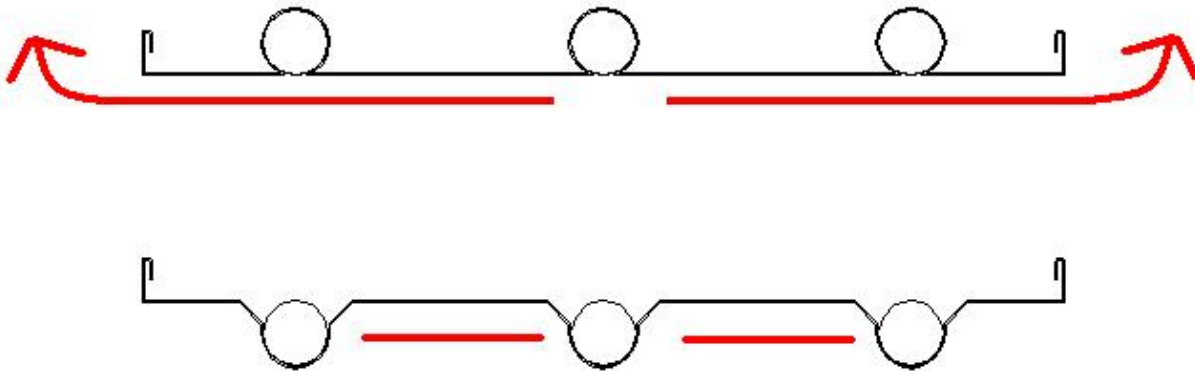
KOMPONENTE PLOČASTIH RADIJANTNIH PANELA EUTERM



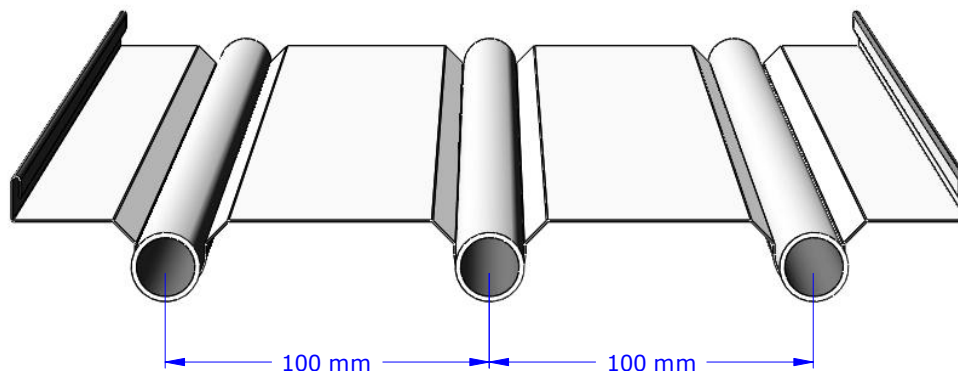
Radijacija usmerena ka zoni za zagrevanje



Oblik sprečava konvektivno kretanje, koje se prirodno generiše i teži da nosi topli vazduh prema gore



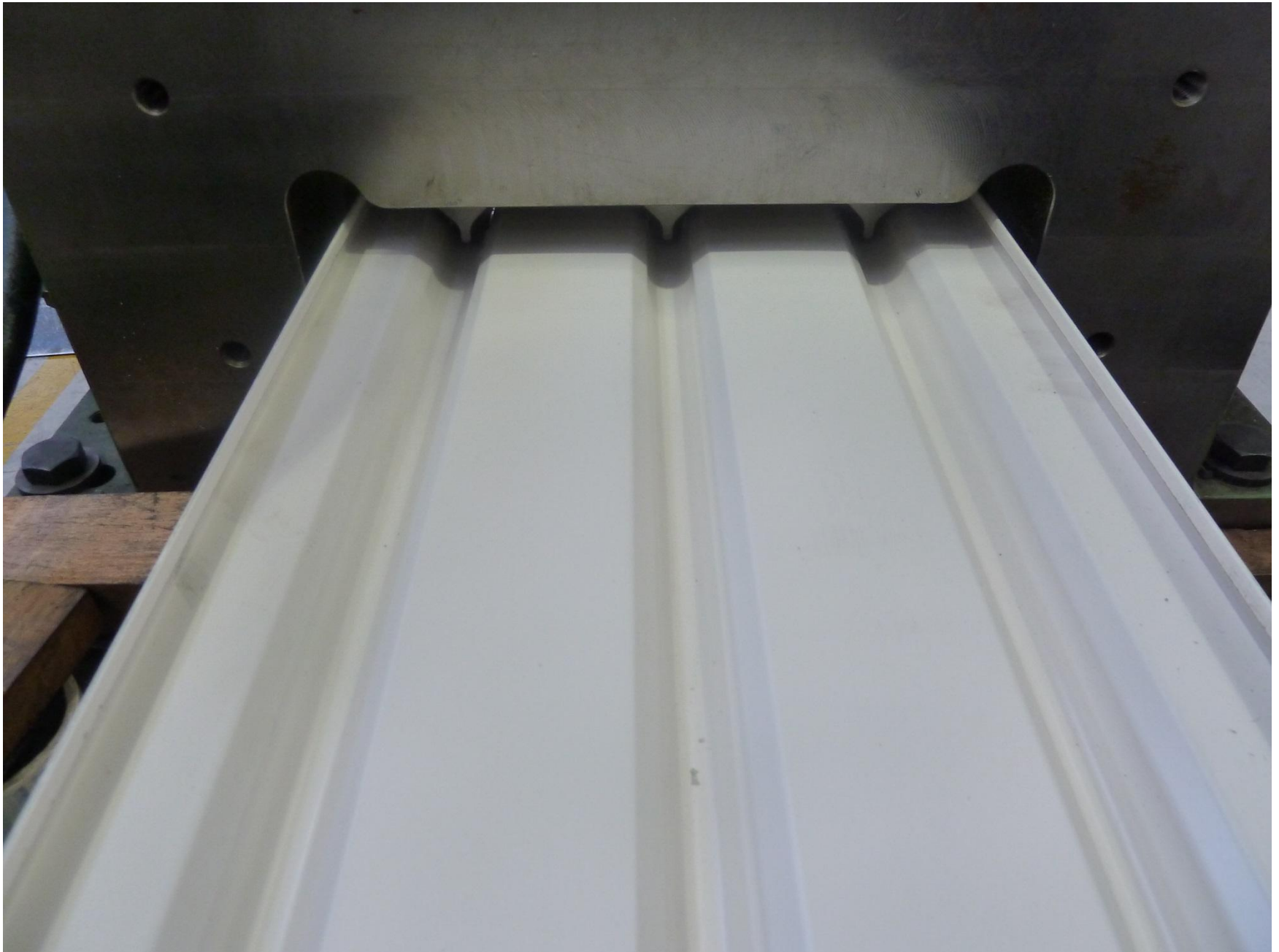
CEVI



Standardne elektro-zavarene čelične cevi dimenzija 22 mm, debljine 1,2 mm

Paneli sa standardnim cevima se koriste do 6 bara i maksimalna temperatura fluida do 120 °C

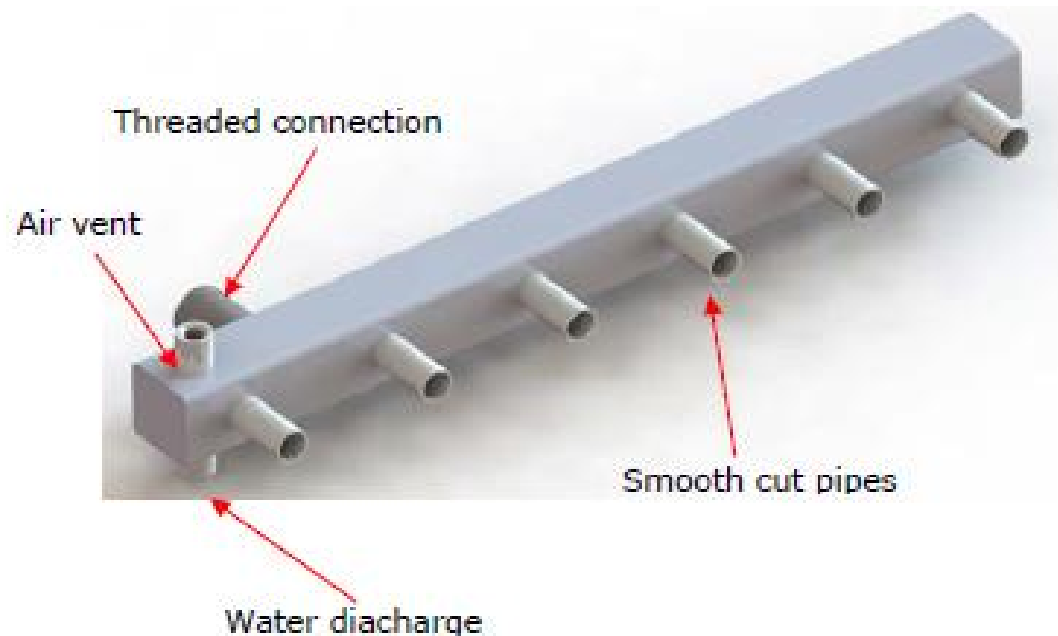
Za poostrojenja sa parom dostupne su specijalne cevi debljine 2,35 mm





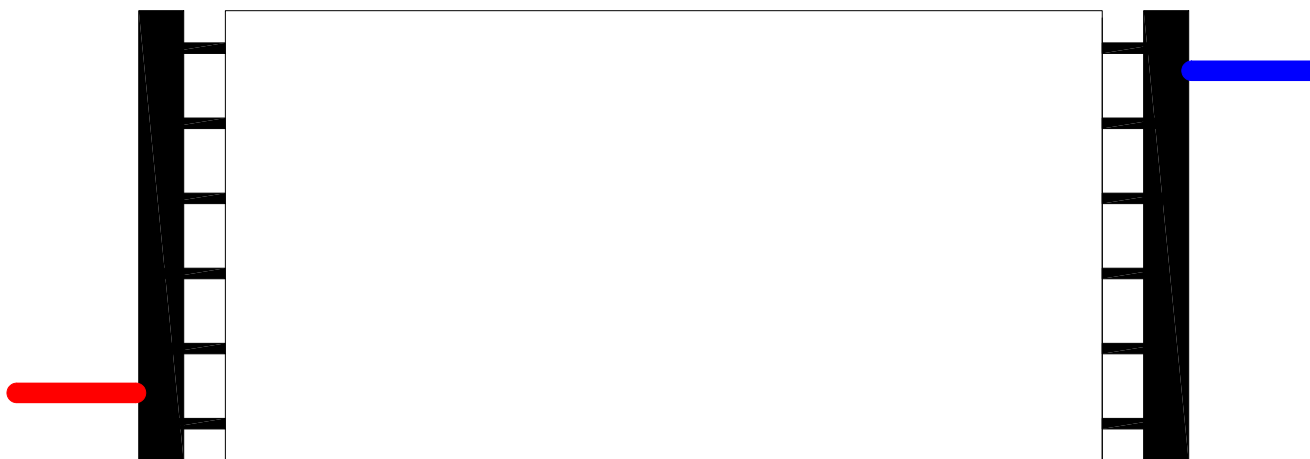
KOLEKTORI

- Kolektor veličine 50 x 50 mm, sa 1 "(na zahtev 1" 1/4), sa rupom za ispust vode i rupom za ventilaciju
- Montažer mora spojiti kolektor na radijantne ploče pomoću fittinga za presovanje.

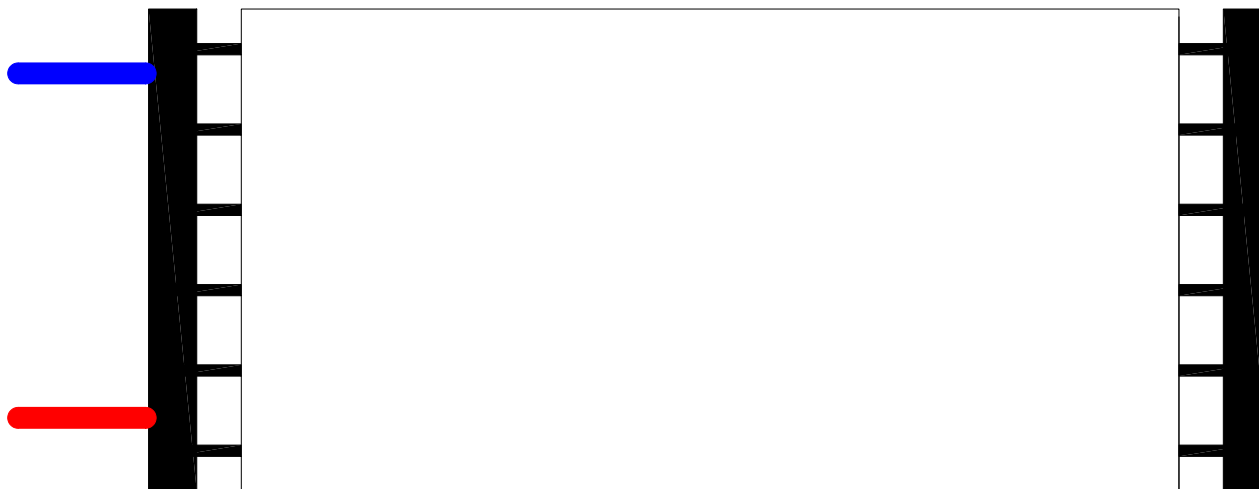




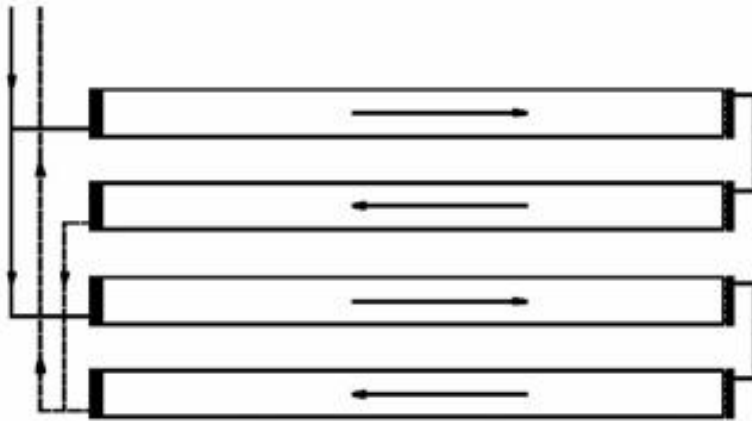
INSTALACIJA SA KLASIČNIM KOLEKTOROM



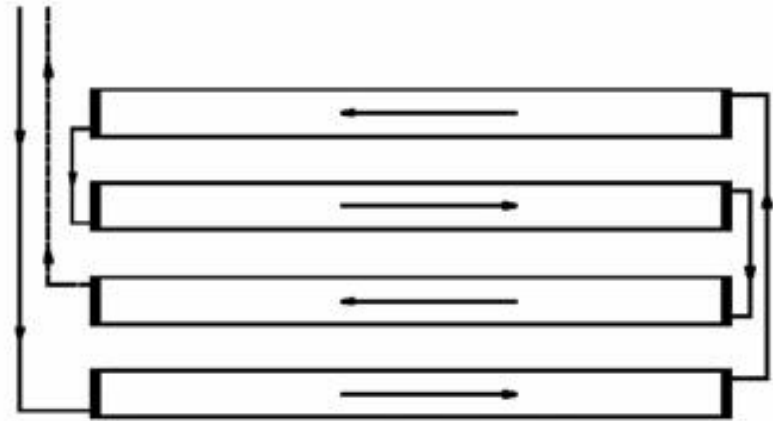
INSTALACIJA SA PODELJENJIM I ZATVORENIM KOLEKTOROM



HIDRAULIČNI SISTEM

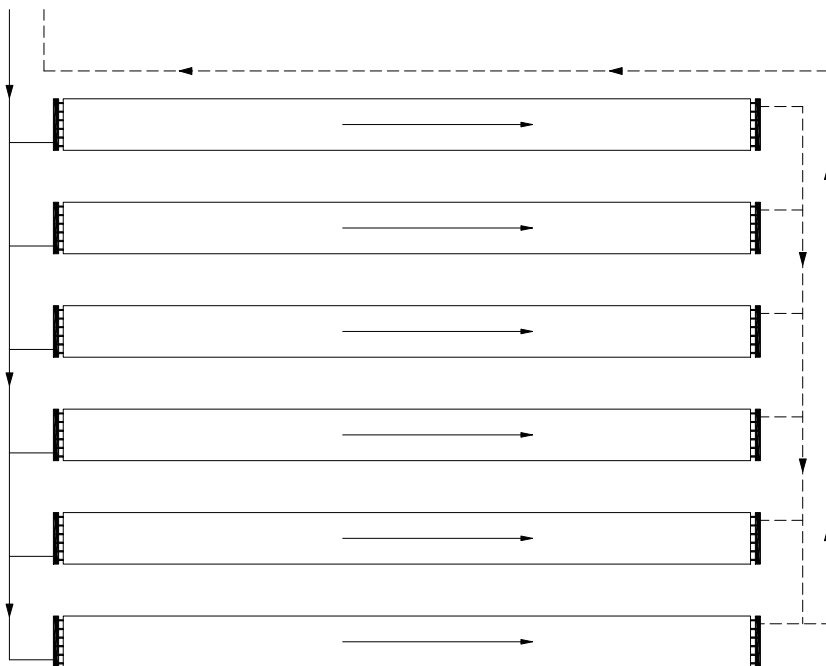


Inlet and outlet on same side - 2 panels in sequence

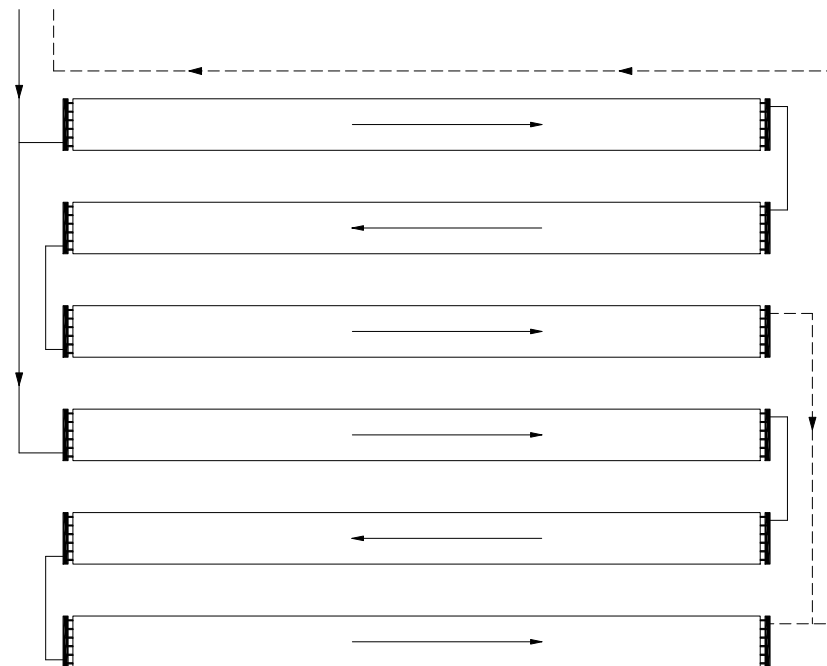


Inlet and outlet on same side - 4 panels in sequence

HIDRAULIČNI SISTEM

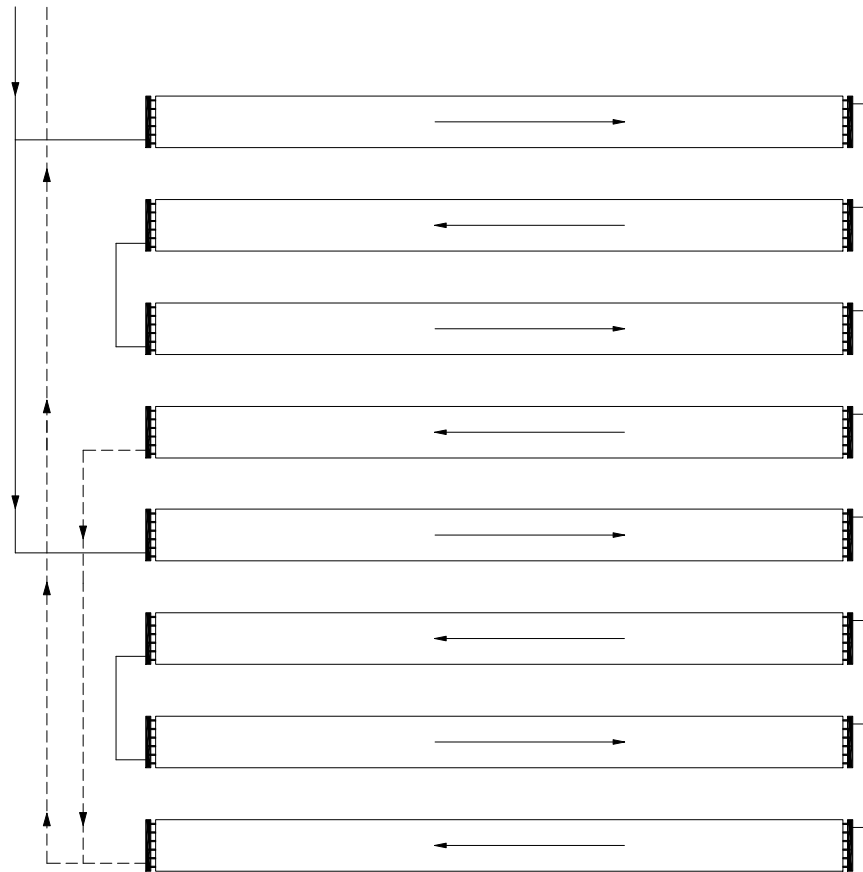


Inlet and outlet from opposite sides – 1 line



Inlet and outlet from opposite sides – 3 lines

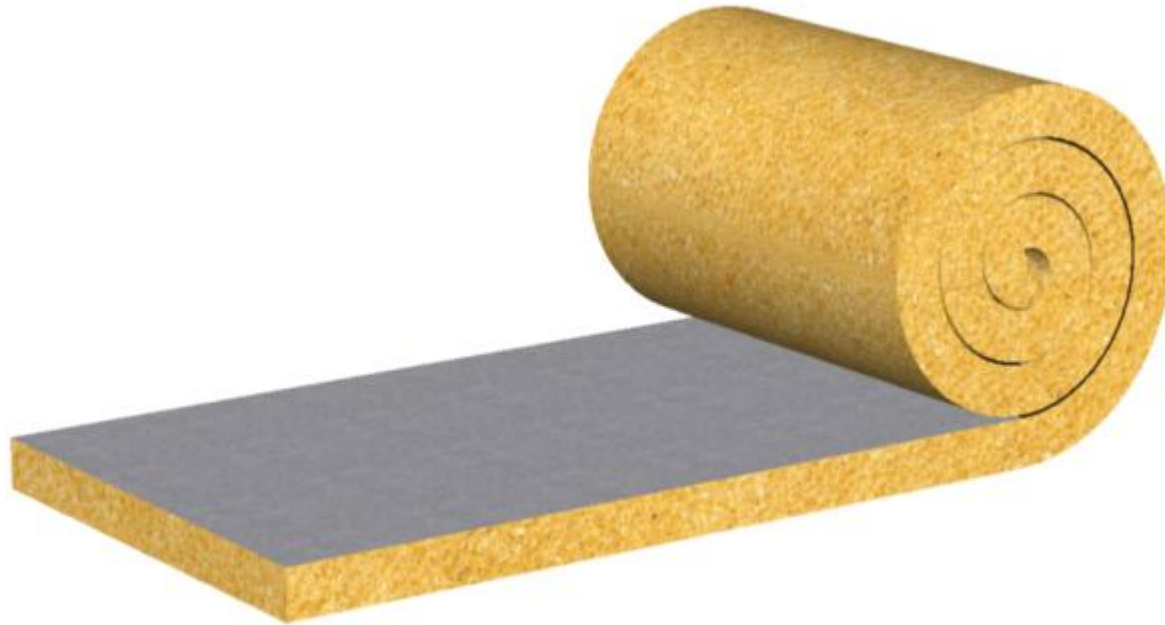
HIDRAULIČNI SISTEM



Inlet and outlet from opposite
sides – 4 lines

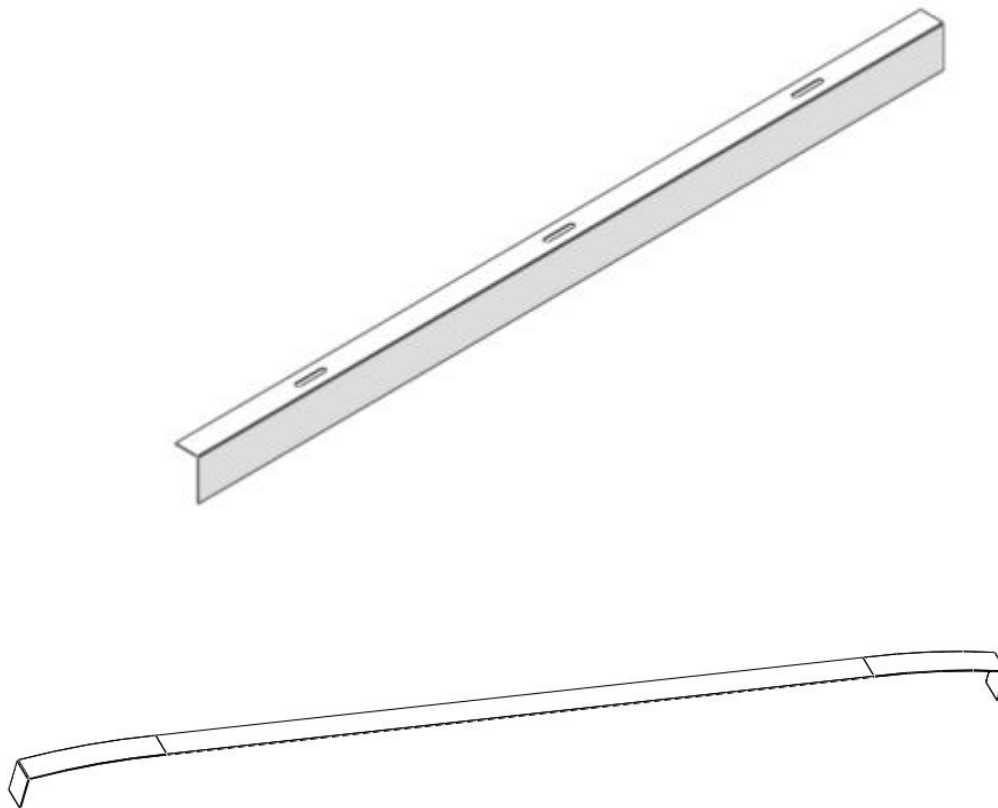


IZOLACIONI MATERIJAL



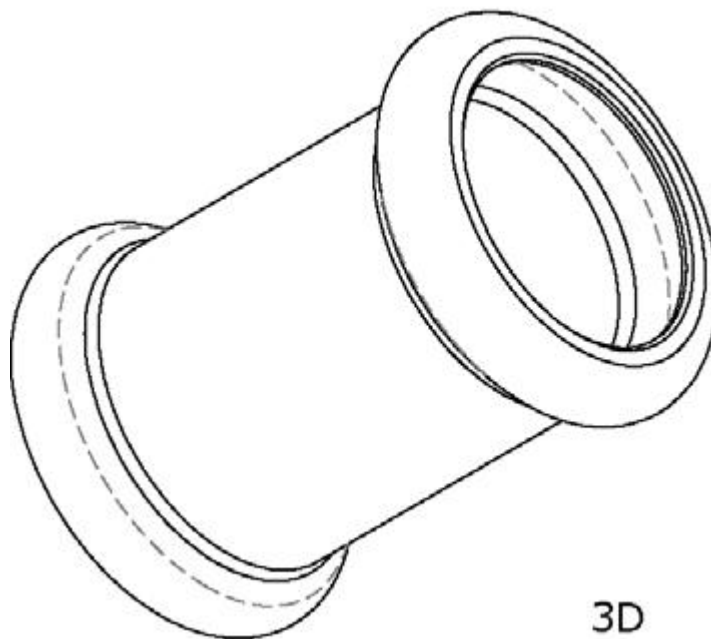
Izolacioni sloj od fiberglasa sa aluminijumskom stranom, protiv rizika od požara

LATERALNI PROFIL I TRAKE ZA IZOLACIJU

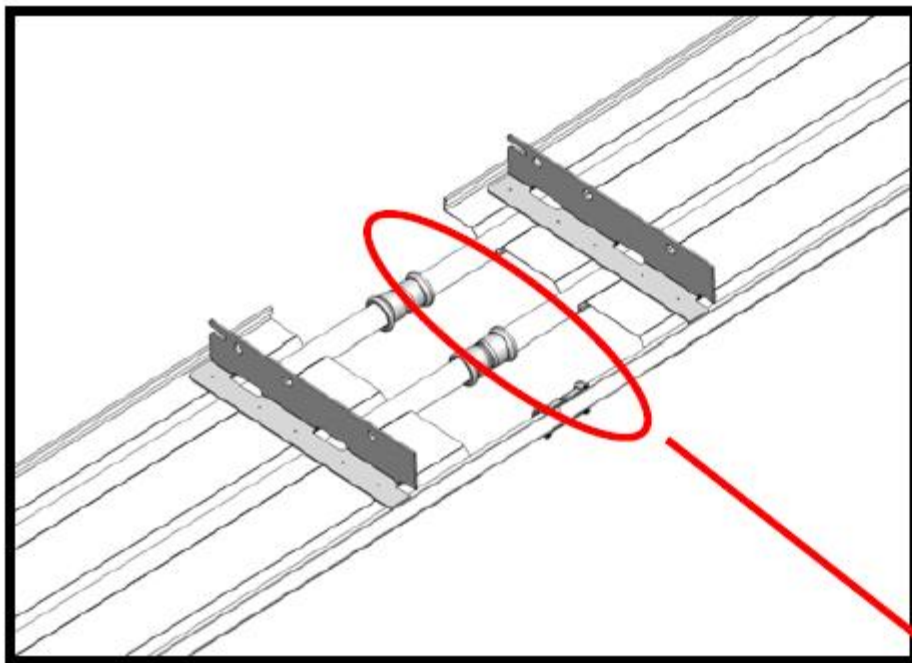


Bočni profil ima otvore za pričvršćivanje traka za izolaciju

PRESSFITTING

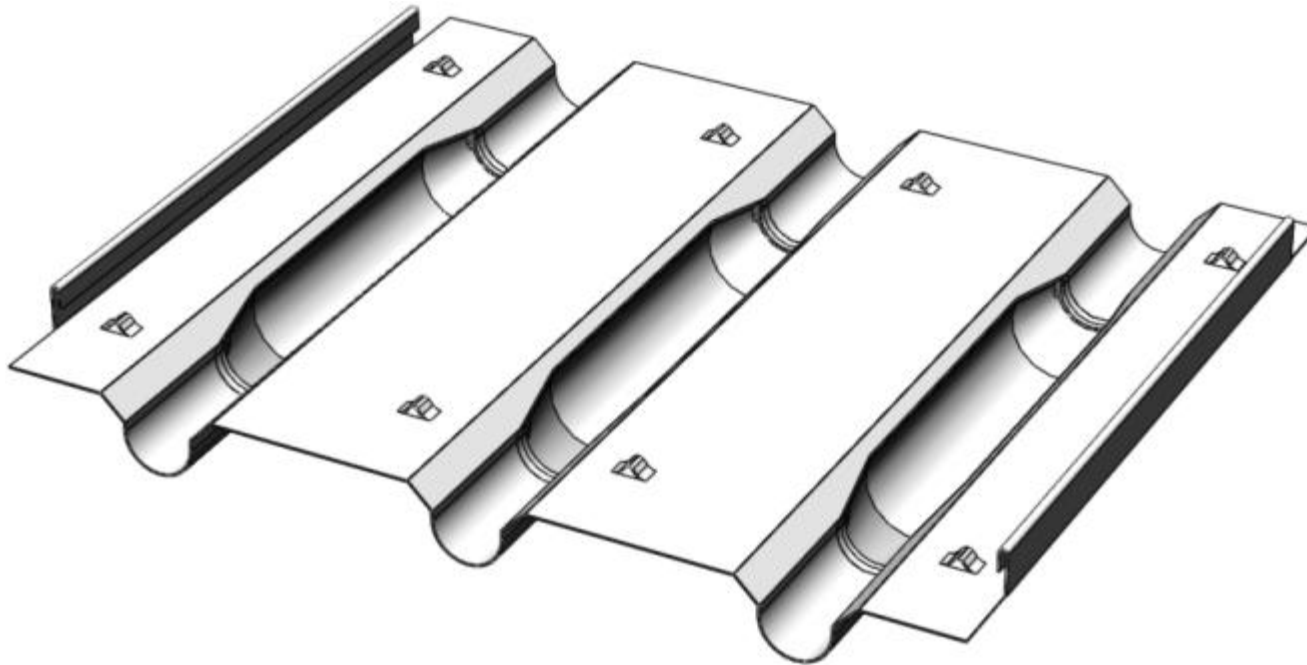


Povezivanje cevi se vrši pomoću fittinga za presovanje od 22 mm





MASKA SPOJNICE



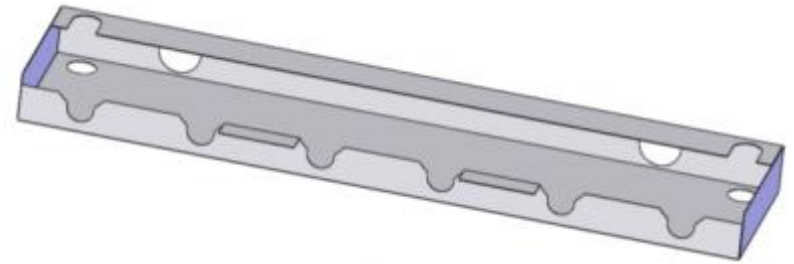
**Obloženi čelični poklopac za pokrivanje spojeva između
radijantnih panela**





PRIBOR PO ZAHTEVU

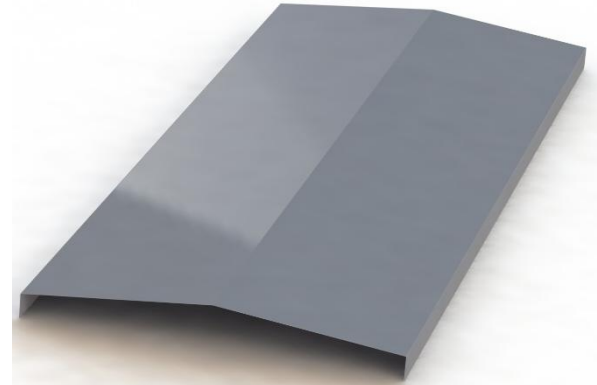
Poklopac čela



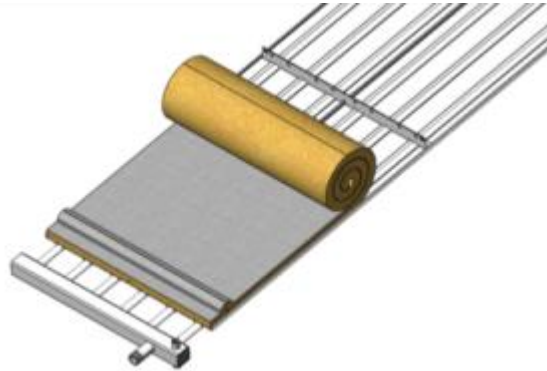
Lateralni anti/konvekcijski profil



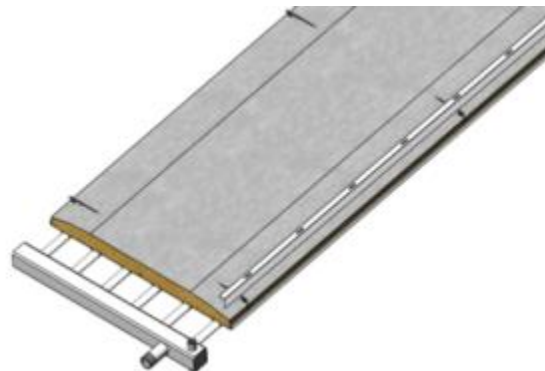
Gornji deo za sportske dvorane



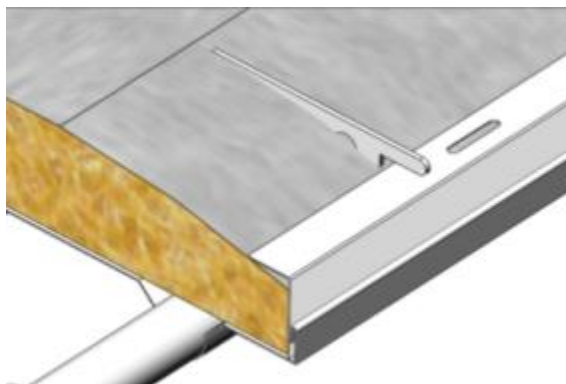
- POSTAVLJANJE IZOLACIONOG MATERIJALA



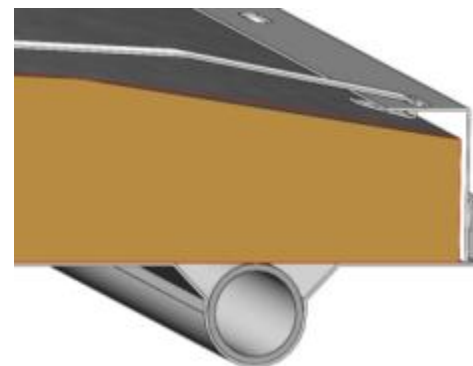
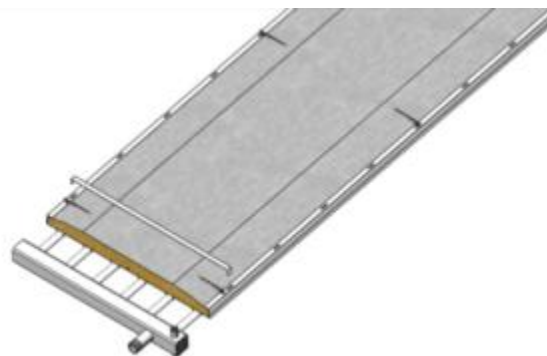
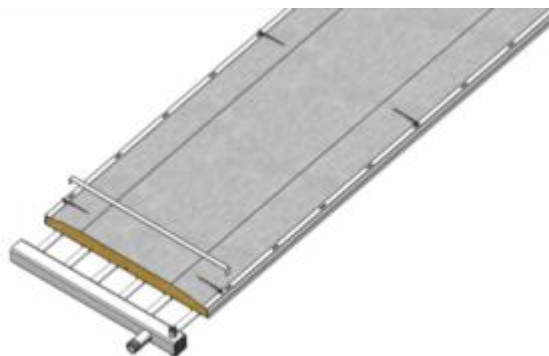
- POSTAVLJANJE LATERALNOG PROFILA



- DETALJ PROREZA NA IZOLACIONOM MATERIJALU

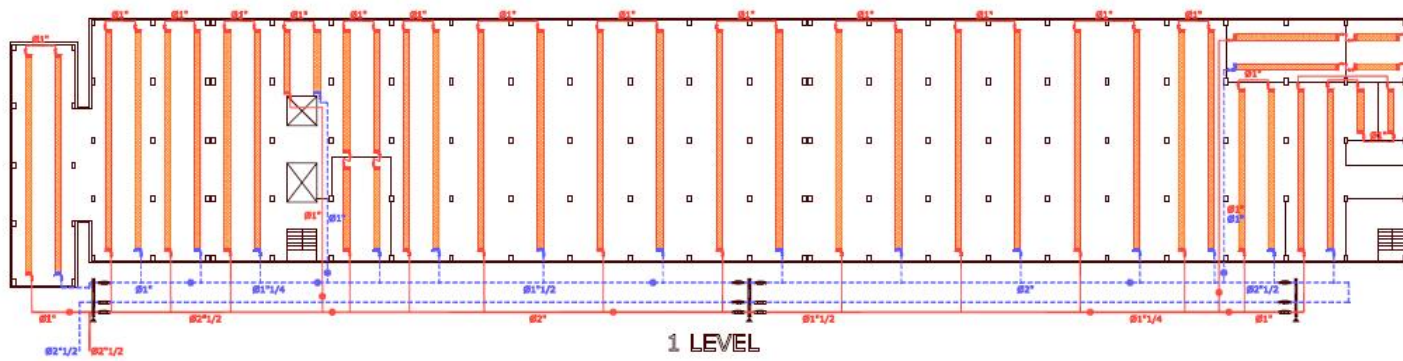
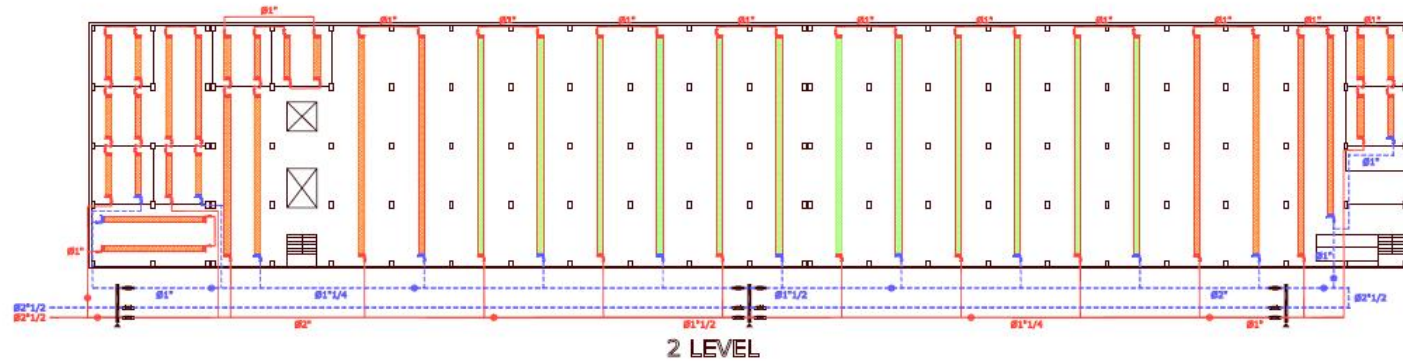
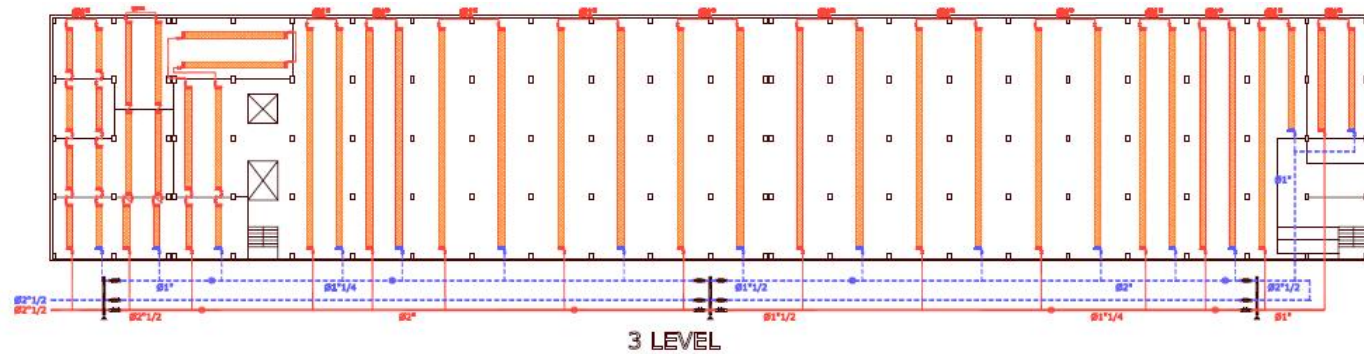


- POSTAVLJANJE TRAKE ZA FIKSIRANJE IZOLACIJE



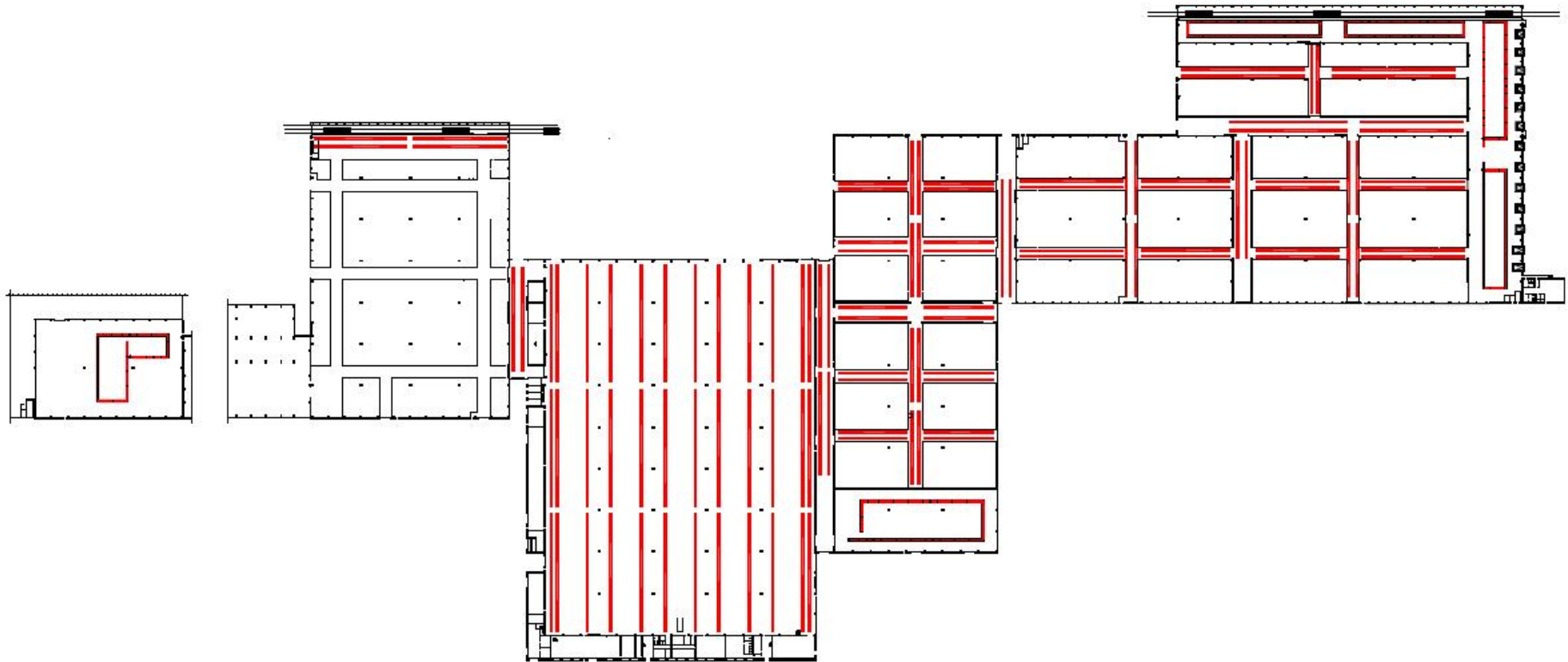
- MINIMALNA DUŽINA DRŽAČA (cm) PRI ODREDJENIM TEMPERATURAMA GREJANJA

Dužina radijantnog panela (mt)	Prosečna temperatura u panelu					
	45	60	80	100	120	140
	Dužina držača [cm]					
18	15	18	22	28	34	41
24	17	21	26	33	40	48
30	20	25	31	39	47	56
36	24	30	37	46	55	65
42	29	36	44	54	64	75



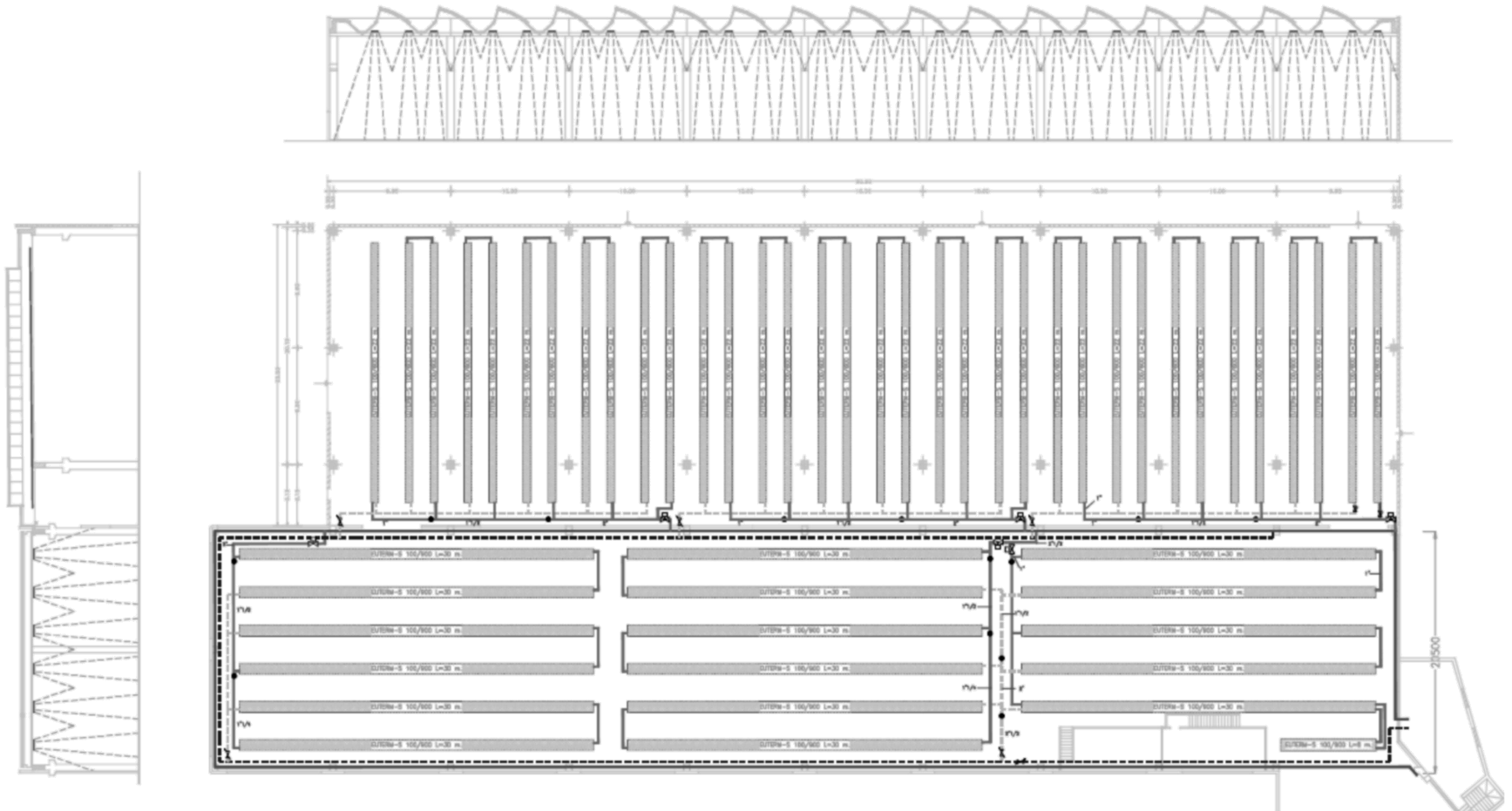


PRIMER





PRIMER



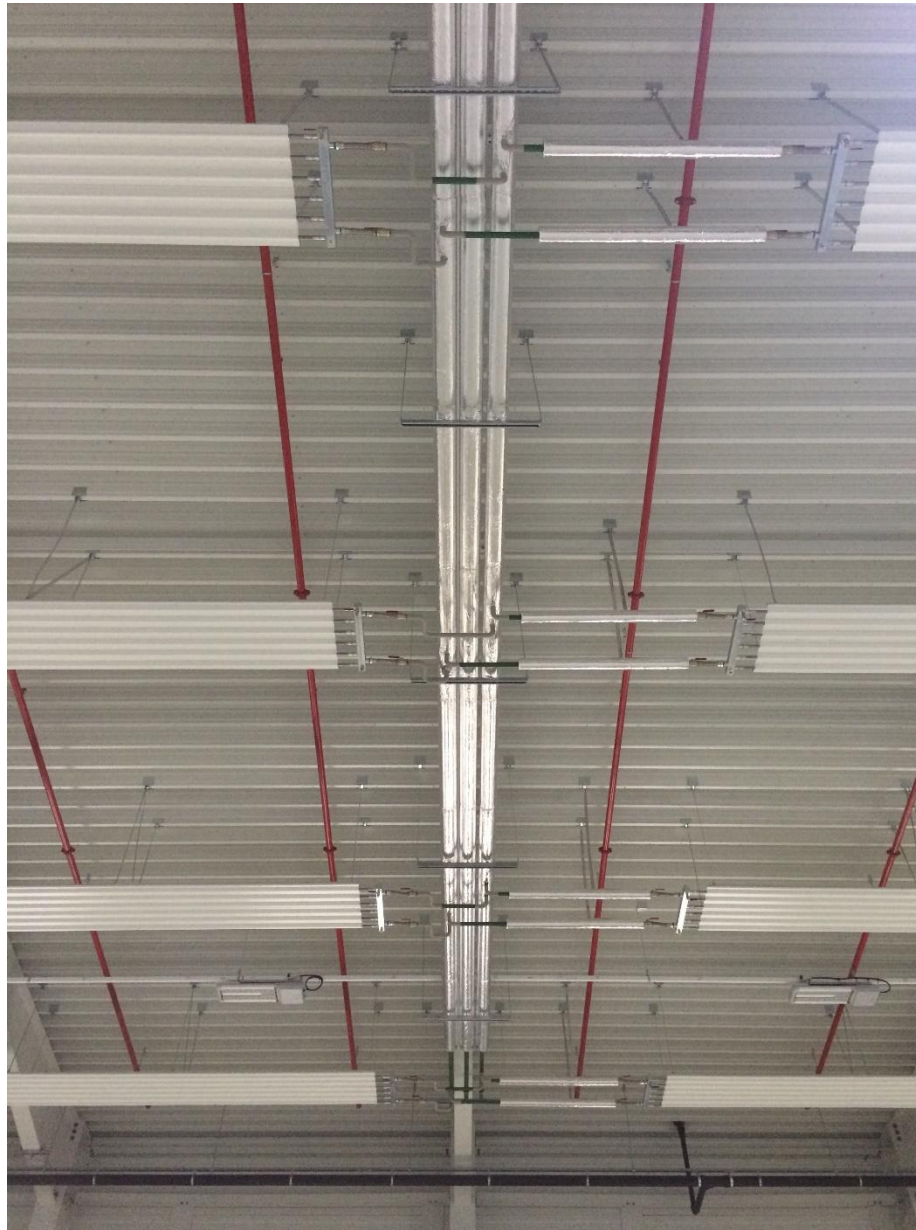














UTOVAR EUTERM SISTEMA



CERTIFIED QUALITY



CE - Konformitätsbestätigung CE Attestation of Conformity Construction Product Directive 89/106 EEC

Nummer/ Number: 0626-CPD-0032

Das

Institut für GebäudeEnergetik, Universität Stuttgart
Pfaffenwaldring 35

70569 Stuttgart, Deutschland

☎: +49(0)711-68562061 / Fax: Télécopie: +49(0)711-6876056 / www.ige.uni-stuttgart.de

bestätigt nach Prüfung der Konformität gemäß EN 14037 und der Erklärung des Herstellers vom (18.4.2006), dass die unten aufgeführten Produkte die wesentlichen Anforderungen der Bauproduktenrichtlinie 89/106 EEC erfüllen.

The Institut of Building Energetics, Universität Stuttgart, Pfaffenwaldring 35, 70569 Stuttgart, Germany many, after examination of the conformity according to EN 14037 and verification of the declaration (2006-04-18) furnished by the manufacturer, confirms that the below mentioned products comply with the essential requirements of the Product of Construction Directive 89/106 EEC of December 12th, 1986.

Name und Anschrift des Herstellers oder seines im Europäischen Wirtschaftsraum niedergelassenen bevollmächtigten Vertreters
Name and address of the manufacturer or his authorised representative established in the EEA

CARLIEUKLIMA S.p.A.
Via Fossaluzza, 12
33074 Fontanafredda (PN)
Italien
Tel. +39 0434/599311
Fax +39 0434/599320

Name und Anschrift der Fertigungsstätte
Name and address of the production plant

CARLIEUKLIMA S.p.A.
Via Fossaluzza, 12
33074 Fontanafredda (PN)
Italien
Tel. +39 0434/599311
Fax +39 0434/599320

Konformitätsprüfung nach EN 14037:
Conformity test according EN 14037

Handelsbezeichnung des Herstellers Trade mark from the manufacturer	Name des anerkannten Prüflaboratoriums Name from the accredited laboratory	Prüfbericht Test report	
		Nummer, Number	Datum, Date
EUTERM AVH	HLK Stuttgart	H.05.11.P.328.CAR	2005-11-22

70569 Stuttgart, 2006-05-18

Ort und Datum
Place and date

Name / Titel
Name / Title

Institut für GebäudeEnergetik
Universität Stuttgart
Pfaffenwaldring 35 70569 Stuttgart
+49(0)711-6856-2061 / Fax +49(0)711-6876056
www.ige.uni-stuttgart.de
Prof. Dr.-Ing. Michael Schmidt

Stempel und Unterschrift, Signature and stamp



Seite/ Page 1/1

EUCERK

RADIJANTNI GREJAČI

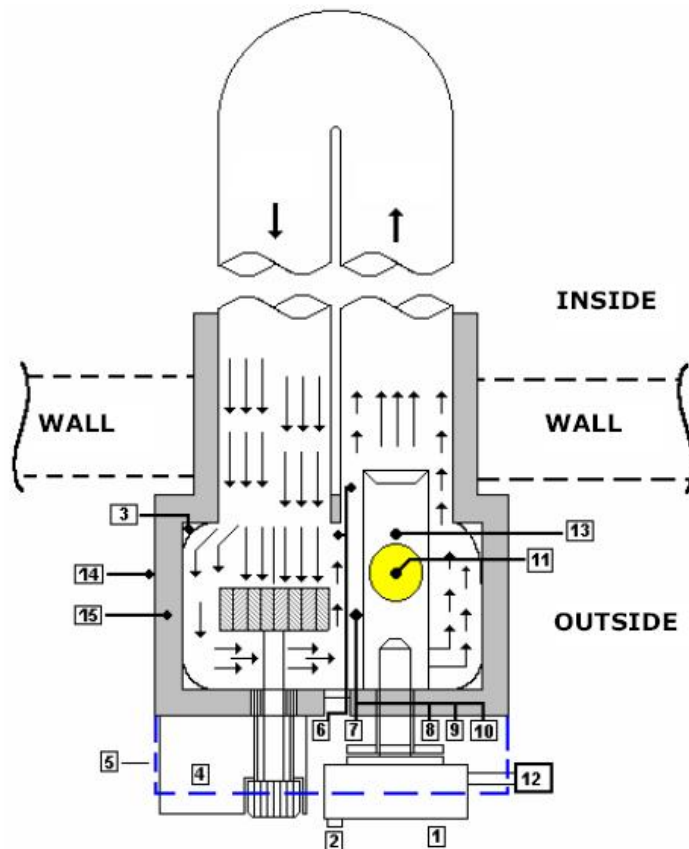
RADIJANTNI GREJAČI



EUCERK

- Snaga od 40 do 300 kW
- Dužina u slučaju jedne cevi 39 do 192 m
- Dužina u slučaju dvostruke cevi od 18 do 150 m

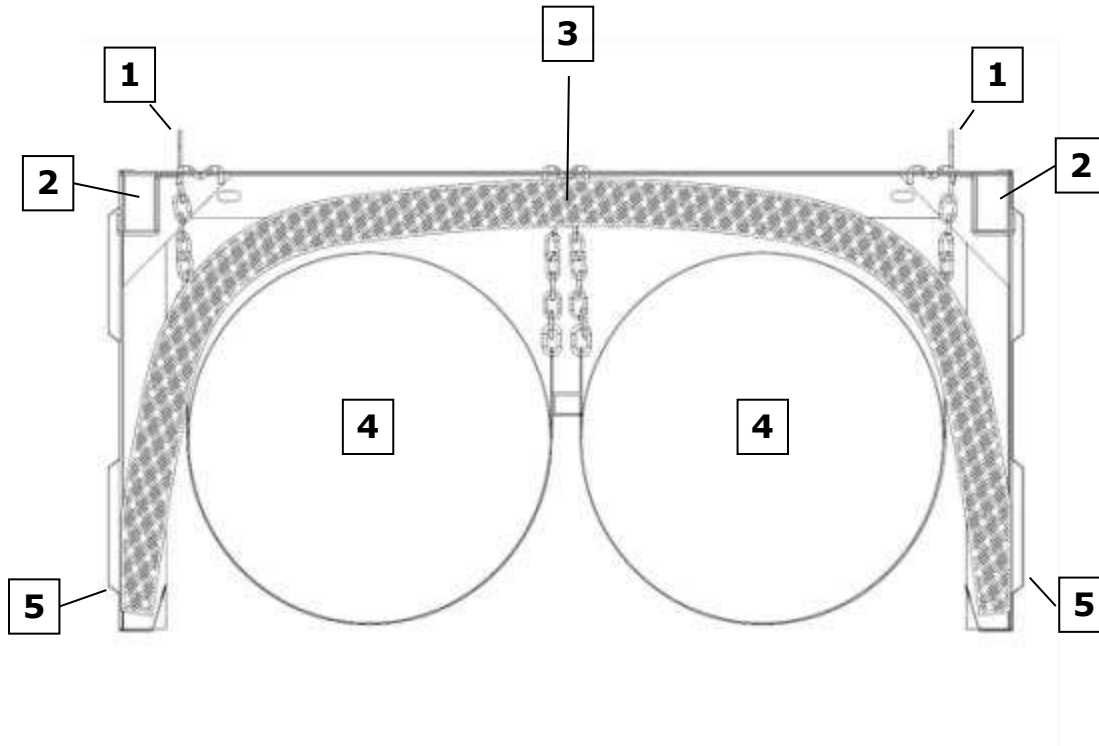
Jedinica generatora toplote



Legend :

- 1**=Atmosferski gasni gorionik sa EU certifikatom
- 2**=Unos vazduha za sagorevanje (sa ugrađenim gorionikom)
- 3**=Podupirački okvir sa zaštitnim premazom
- 4**=Centrifugalni ventilator izduvnih gasova
- 5**=Elektro komandna tabla
- 6**=Sigurnosni prekidač pritiska
- 7**=Sigurnosni vakum merač
- 8**=Termostat minimuma
- 9**=Sigurnosni termostat sa manualnim resetom
- 10**=Kontrolni termostat
- 11**=Ispuštanje proizvoda sagorevanja
- 12**=EMG Gasni ventil(with UNI-CIG/DIN/DVGW/EC approvals)
- 13**=Patentirana komora za sagorevanje AISI 310 debljina 3 mm
- 14**=EUCERK Eksterni poklopac od lakiranog čelika
- 15**=Izolacija između spoljašnjeg poklopca i jedinice EUCERK

RADIJANTNE JEDINICE



LegendA:

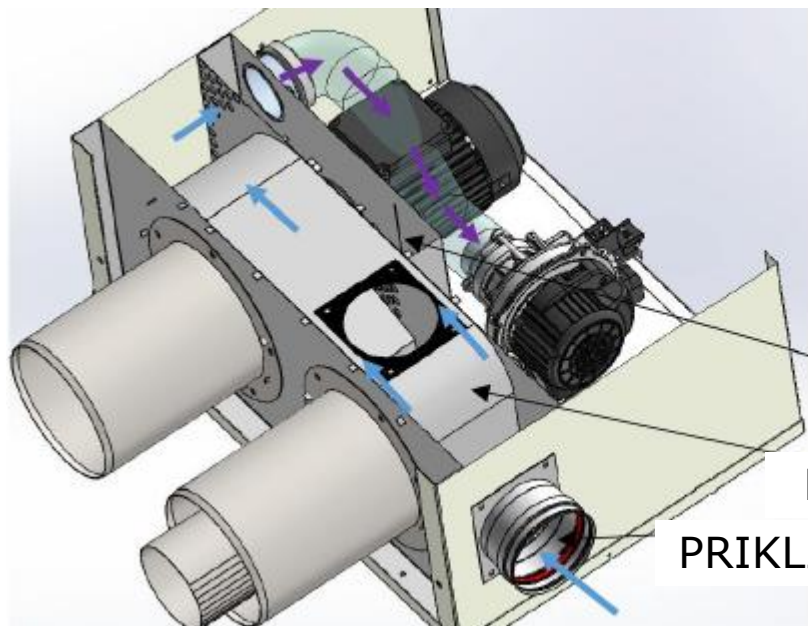
- 1**=Držač , podesiv po visini
- 2**=Čelični ram
- 3**=Izolacija
- 4**=Radijantne cevi , kalorizovane
- 5**=Spoljašni okvir od pocinkovanog i plastificiranog čeličnog lima.

EUCERK – DOSTUPNI TIPSKI ELEMENTI

DOUBLE PIPE TYPE	CODE	DESCRIPTION	WEIGHT [kg]
	PFNR18000630 PFNR18000660	Starting linear module Lenght 3 meters Lenght 6 meters	72 127
	PFNR18000230 PFNR18000260	Linear module Lenght 3 meters Lenght 6 meters	72 127
	PFNR18000330 PFNR18000360	Joint module OR Lenght 3 meters OR Lenght 6 meters HT Lenght 3 meters HT Lenght 6 meters	72 127 72 127
	PFNR1800D730 PFNR1800D760 PFNR1800S730 PFNR1800S760	Elbow module Right Lenght 3 meters Right Lenght 6 meters Left Lenght 3 meters Left Lenght 6 meters	78 138 78 138
	PFNR18000530 PFNR18000560	Final module Lenght 3 meters Lenght 6 meters	78 135
	PFNR18000930 PFNR18000960	"T" module Lenght 3 meters Lenght 6 meters	78 135
	PFNR18001030 PFNR18001060	Final "T" module Lenght 3 meters Lenght 6 meters	78 135
	PFNR18001130 PFNR18001160	Step down module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	
	PFNR18001230 PFNR18001260	"OMEGA" module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	
	PFNR18001330 PFNR18001360	Lateral deviation module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	

SINGLE PIPE TYPE	CODE	DESCRIPTION	WEIGHT [kg]
	PFNR1800D830 PFNR1800D860 PFNR1800S830 PFNR1800S860	Starting linear module with elbow Right Lenght 3 meters Right Lenght 6 meters Left Lenght 3 meters Left Lenght 6 meters	75 131 75 131
	PFNR21000230 PFNR21000260	Linear module Lenght 3 meters Lenght 6 meters	50 93
	PFNR21000430 PFNR21000460	Joint module OR Lenght 3 meters OR Lenght 6 meters HT Lenght 3 meters HT Lenght 6 meters	50 93 50 93
	PFNR2100D730 PFNR2100D760 PFNR2100S730 PFNR2100S760	Elbow module Right Lenght 3 meters Right Lenght 6 meters Left Lenght 3 meters Left Lenght 6 meters	54 97 54 97
	PFNR21000930 PFNR21000960	"T" module Lenght 3 meters Lenght 6 meters	54 97
	PFNR21001130 PFNR21001160	Step down module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	
	PFNR21001230 PFNR21001260	"OMEGA" module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	
	PFNR21001330 PFNR21001360	Lateral deviation module: Lenght from 0 to 3 meters Lenght from 3 to 6 meters	

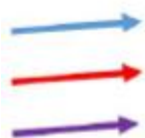
PRINCIP RADA



KOMORA ZA
MEŠANJE
KOMORA ZA RECIRKULACIJU
PRIKLJUČAK ZA VAZDUH

Vazduh se okreće u komori za recirkulaciju i protiče kroz odgovarajuće rupe unutar komore mešanje.

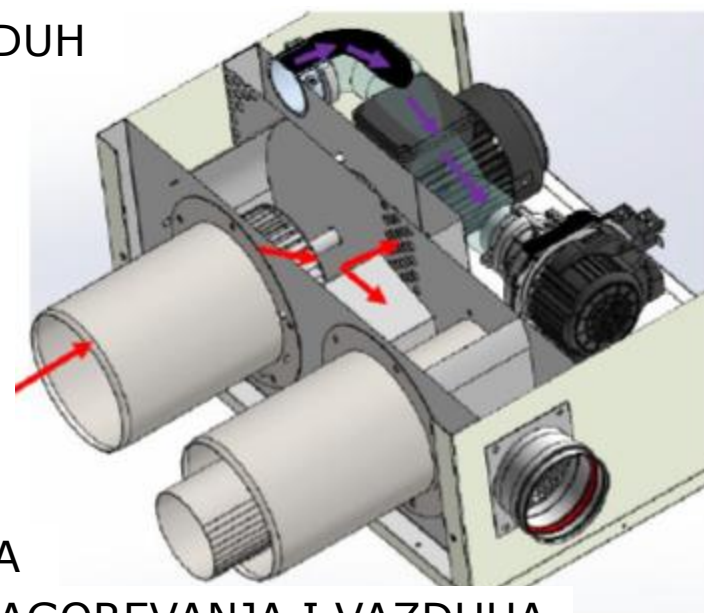
Vazduh se zagreva i jedinica ostaje termički izolovana.



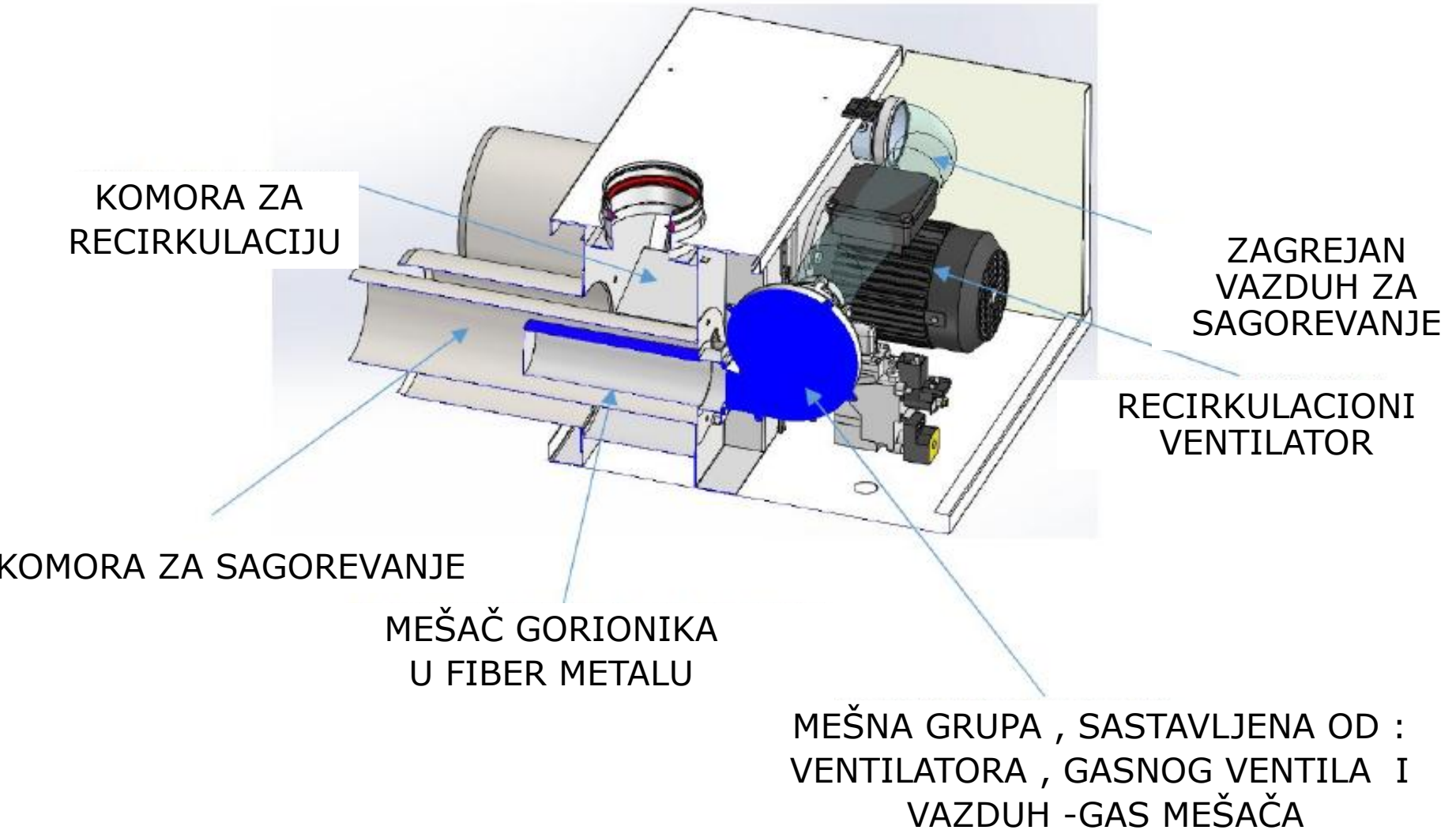
VAZDUH

PROIZVODI SAGOREVANJA

MEŠAVINA PROIZVODA SAGOREVANJA I VAZDUHA



KOMPONENTE GORIONIKA



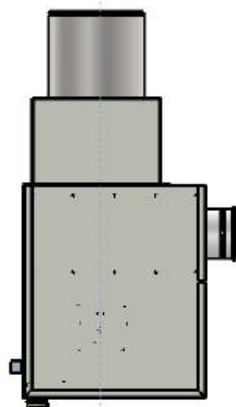
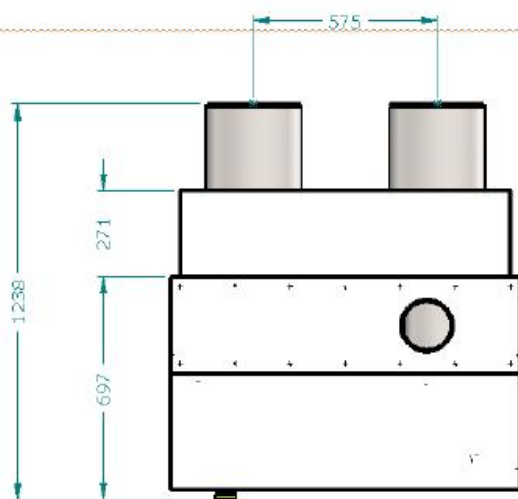
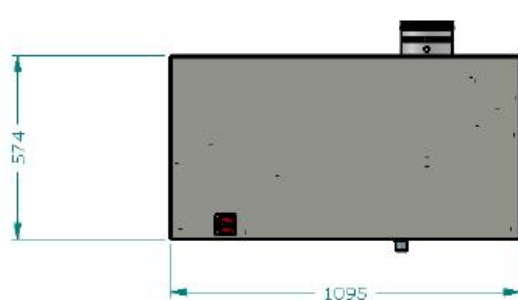
KALORIZOVANE CEVI



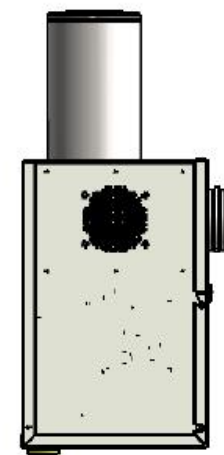
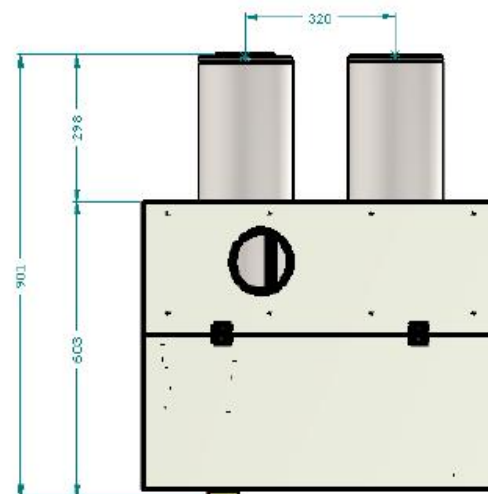
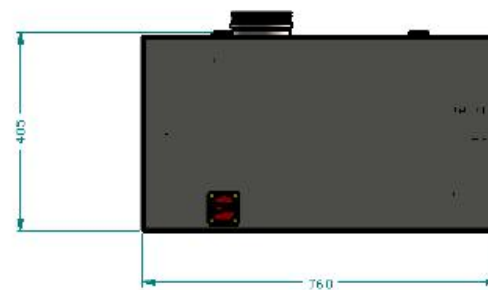


EUCERK HE DIMENZIJE

Eucerk HE

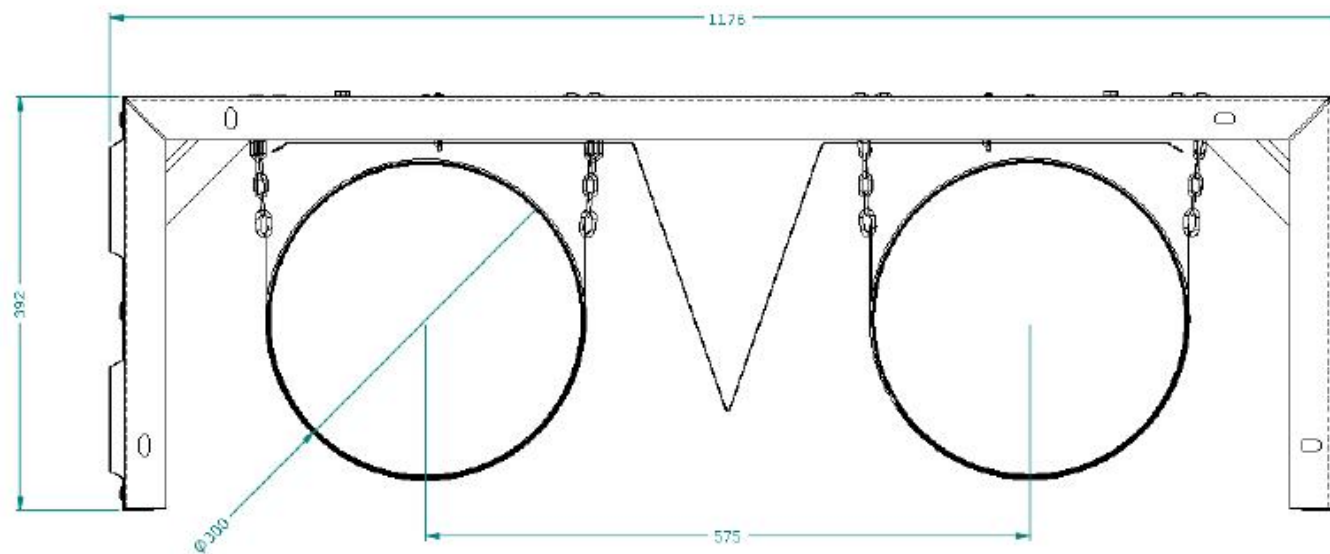


Eucerk HE JR

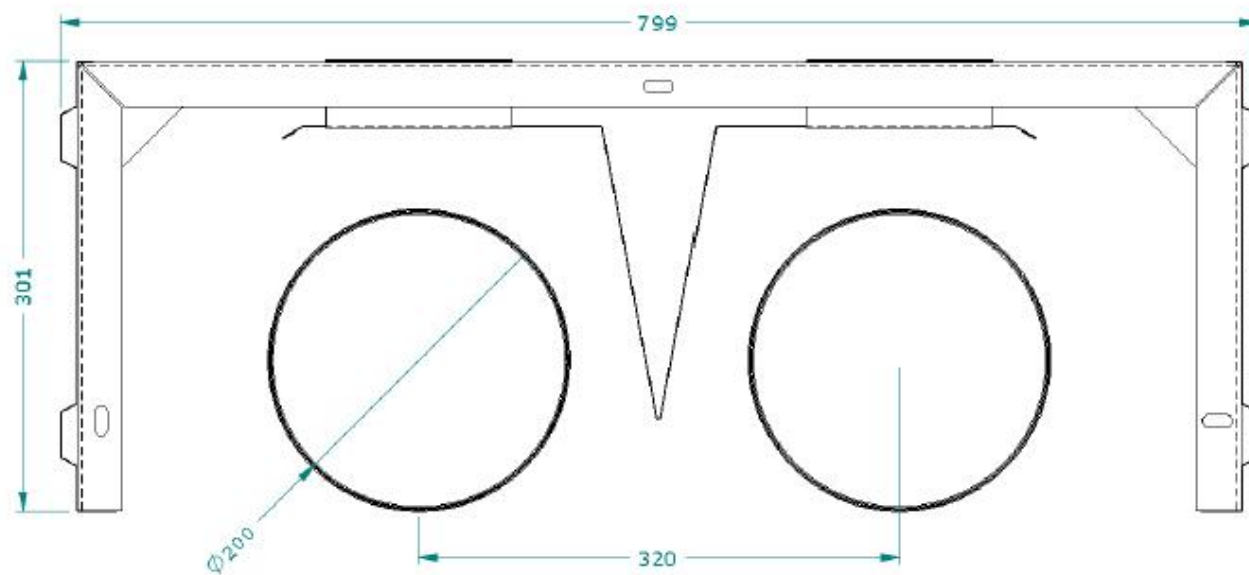


EUCERK HE - MODULI

Eucerk HE



Eucerk HE JR



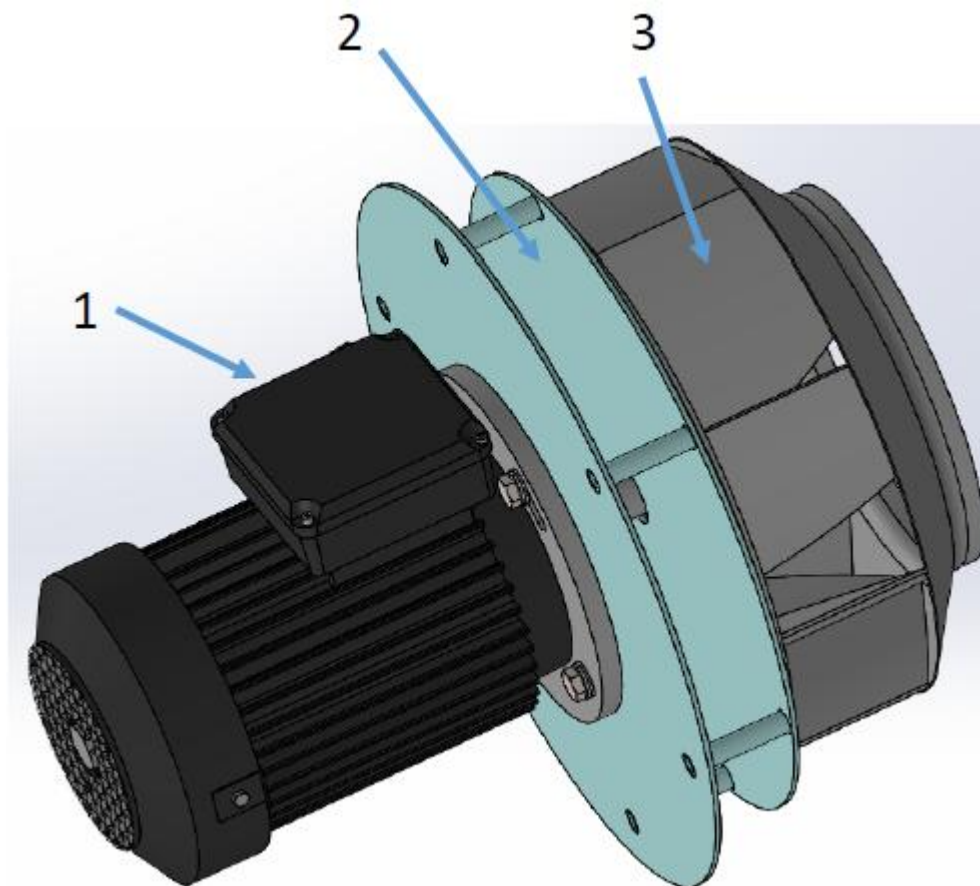
EUCERK HE GRUPA MOTORA

1. MOTOR

EUCERK HE 1.5 Kw
EUCERK HE J. 0.75 kW

2. DISTANCER (ODSTOJNIK)

3. PROPELER OD NERĐAJUĆEG ČELIKA



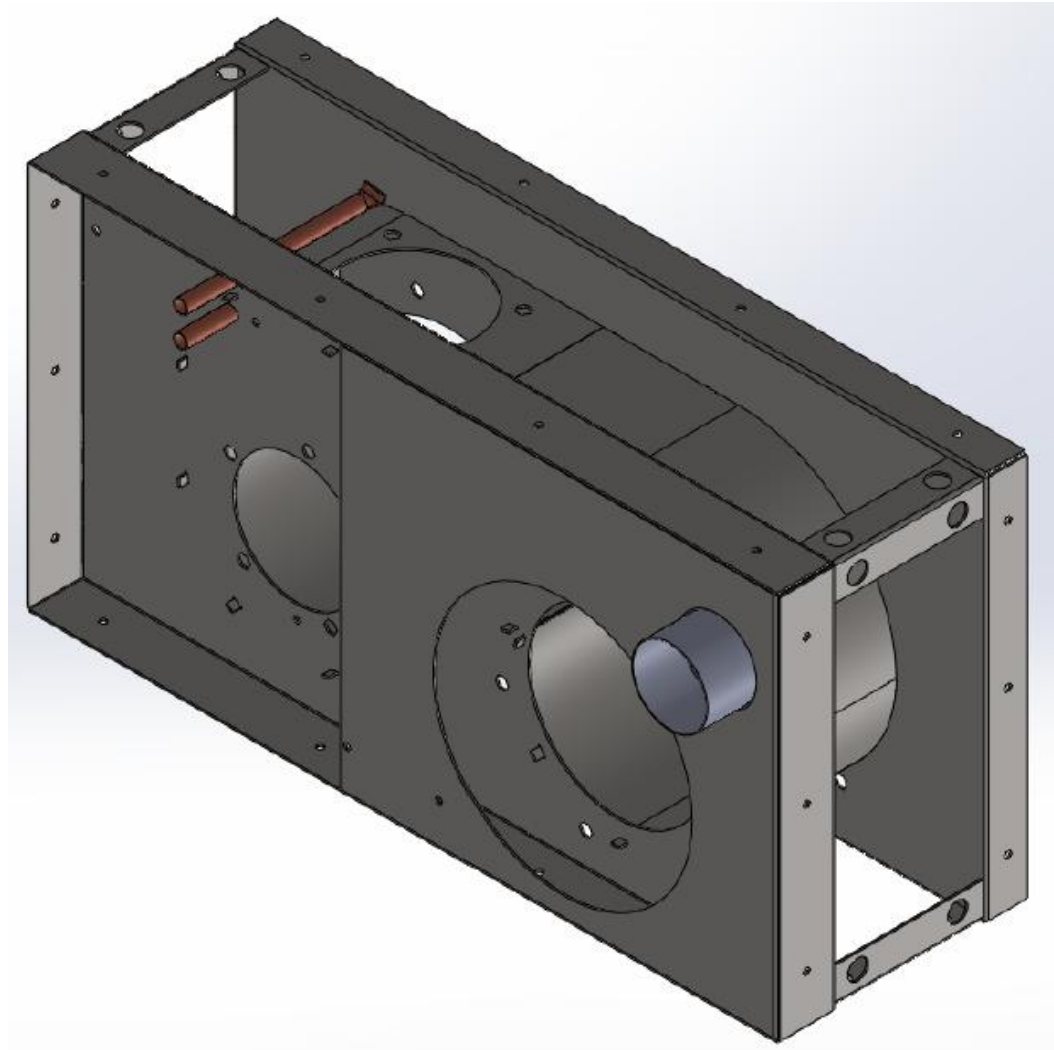
EUCERK HE PROPELER



EUCERK HE RECIRKULACIONA KOMORA

RECIRKULACIONA KOMORA

- U AISI 304 ČELIKU
- DEBLJINA 2 MM
- KOMPLETNO ZAVAREN



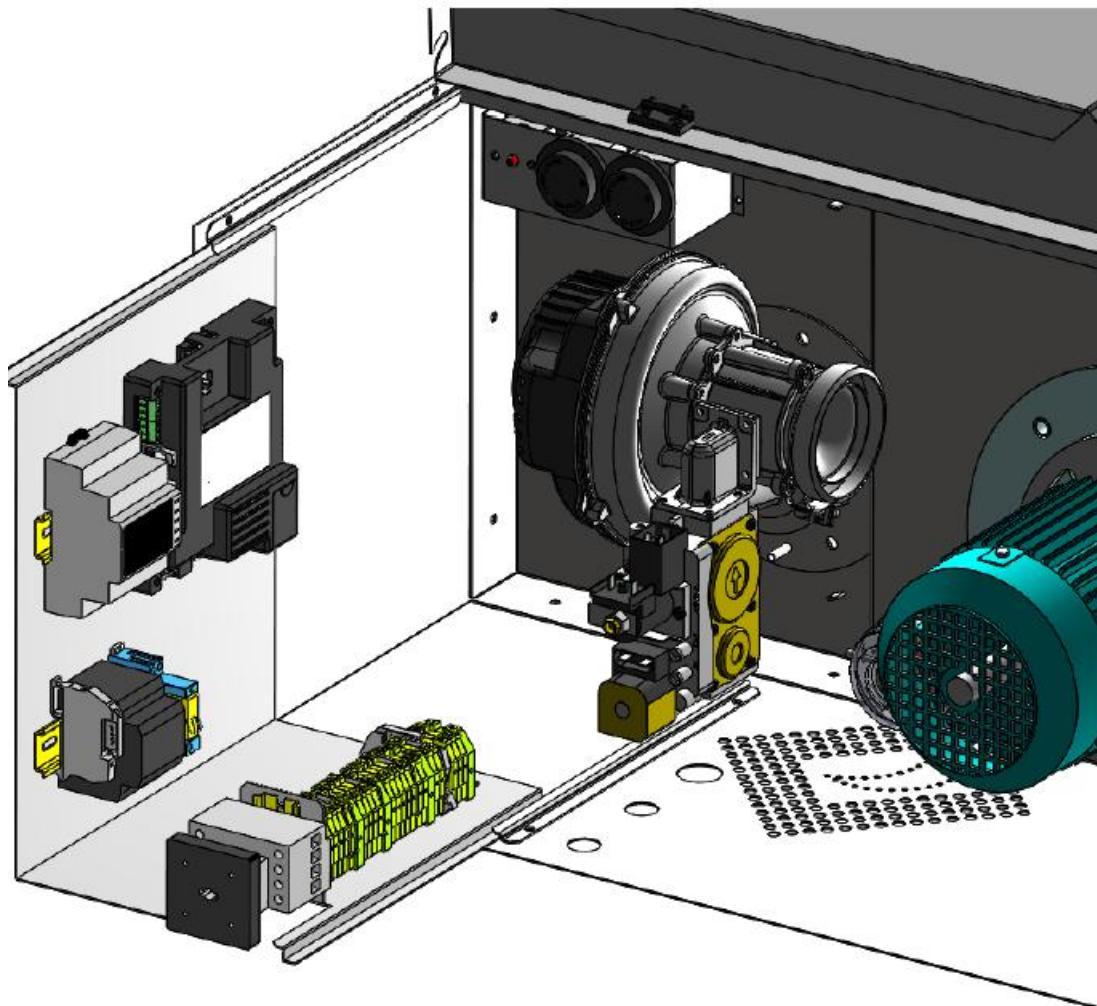
EUCERK HE KONTROLNI PANEL

GLAVNE KOMPONENTE:

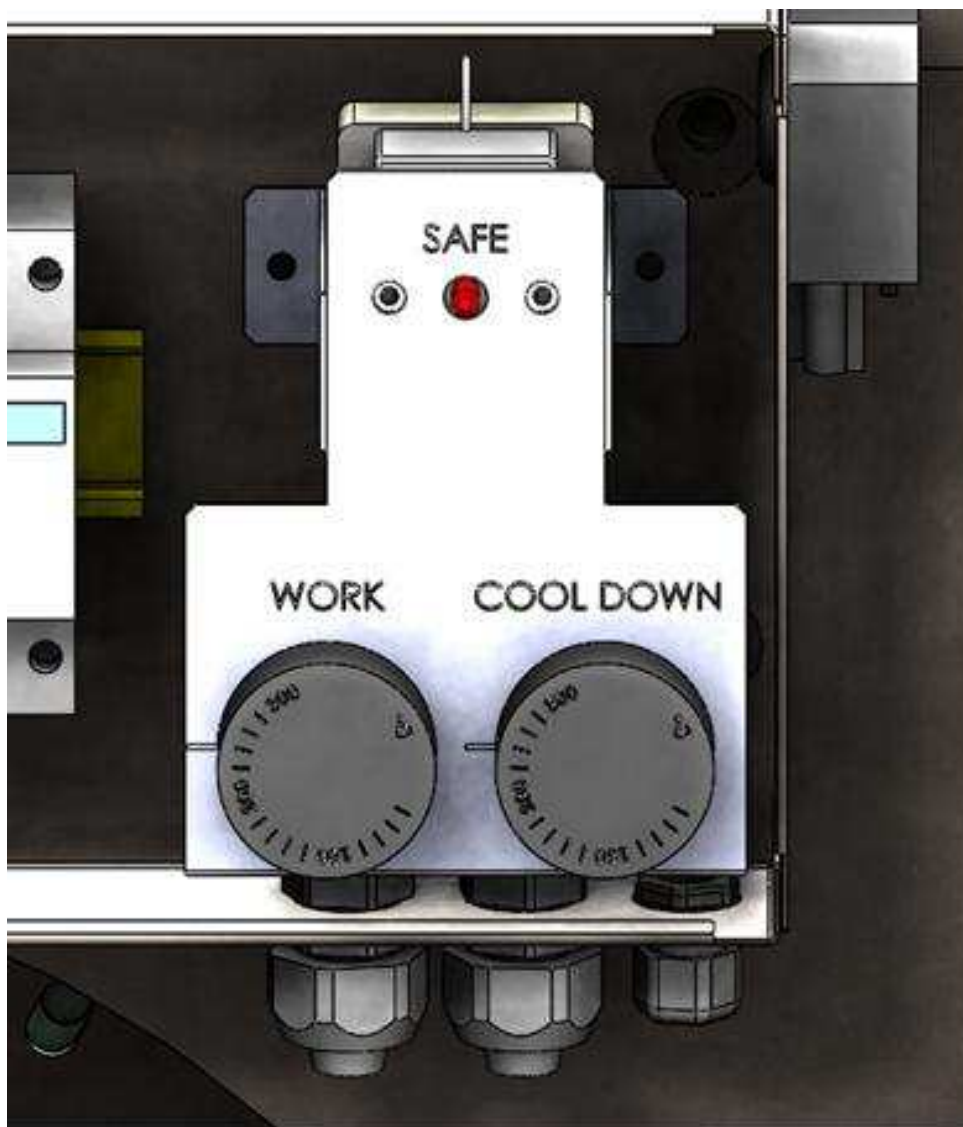
MIKROKONTROLER

Upravlja svim izlazima i ulazima uređaja. Rad u lokalnom modu, pomoću korisničkog interfejsa ili putem računara.

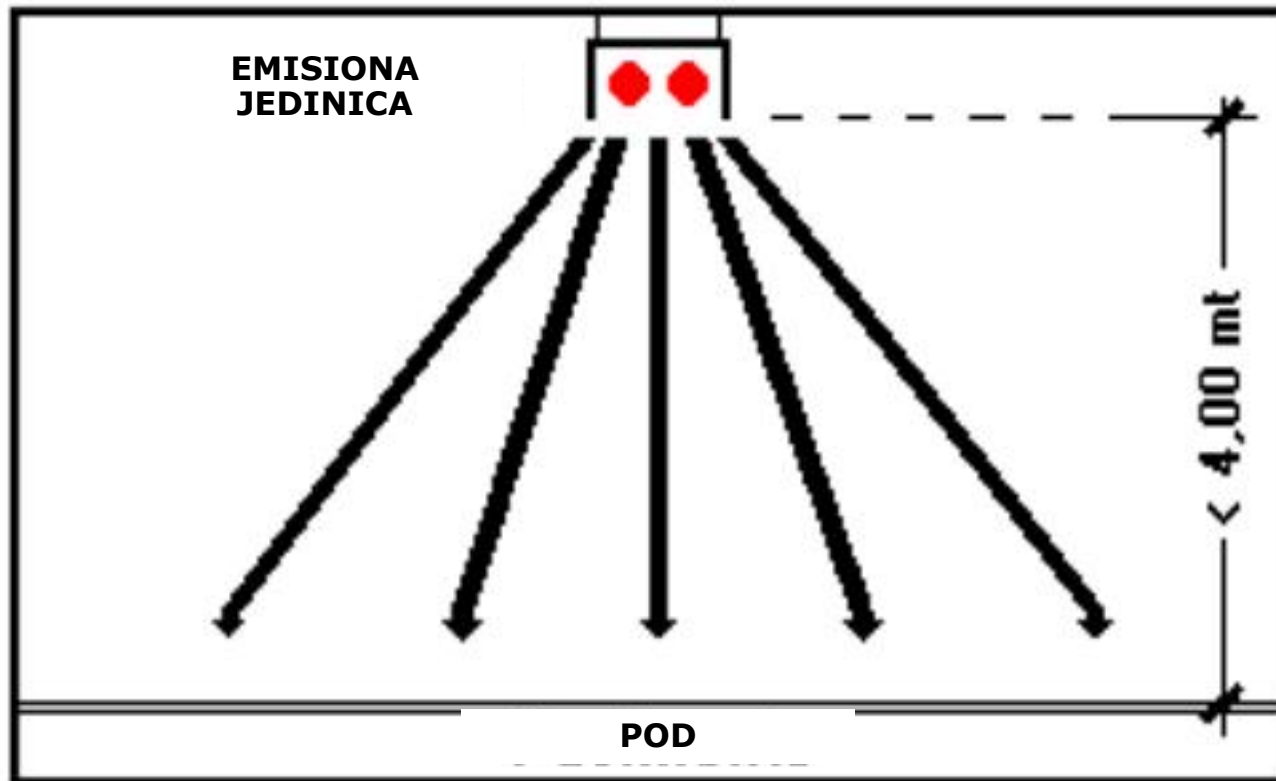
- KONTROLNA JEDINICA ZA PALJENJE
Upravlja mešaonom grupom grupom



EUCERK HE TERMOSTATI



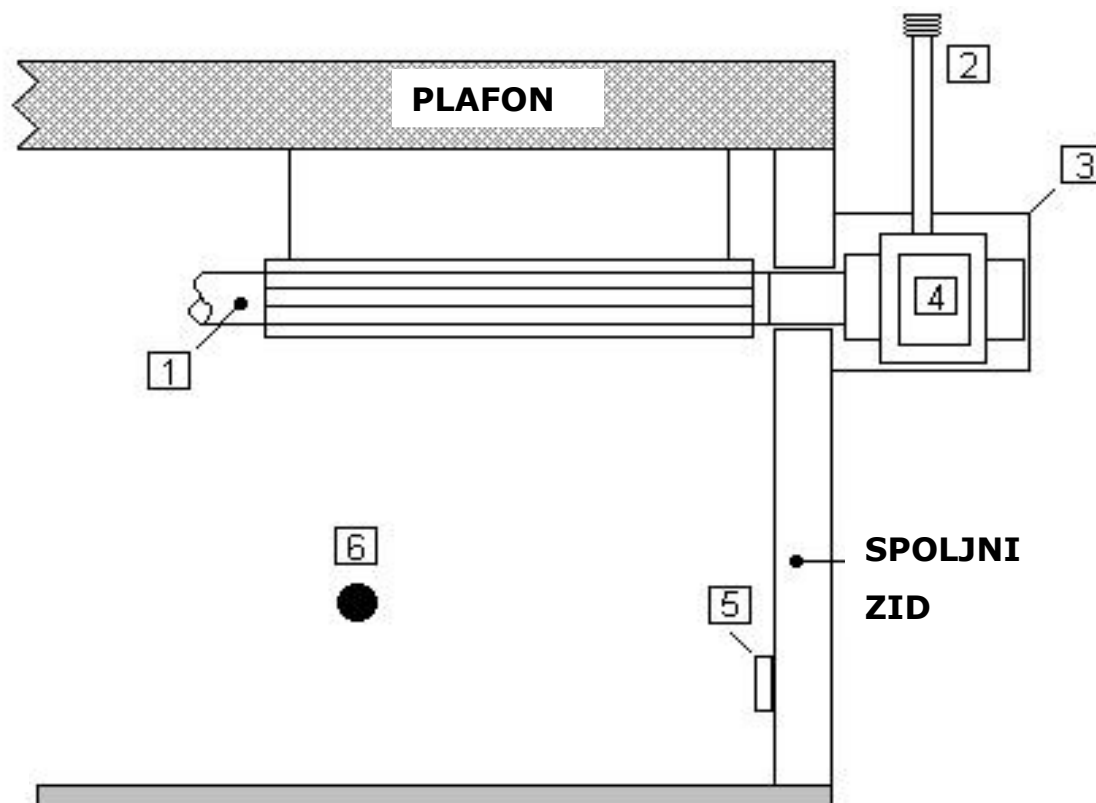
MINIMALNA VISINA INSTALACIJE ZA RADIJANTNE SISTEME



PREDNOSTI EUCERKA U POREĐENJU SA TRADICIONALNIM SISTEMIMA ZA GREJANJE

1. Visoka emisija toplote u okruženju u obliku radijacije
2. Gasna jedinica izvan prostorije grejanja
3. Veliki komfor sa malim grejanjem vazduha okruženja
4. Nedostatak termalnog **gradijenta** rezultira manjim disperzijom
5. Nema kretanja vazduha, dakle manjak suspendovanih čestica prašine i tišina
6. Mogućnost grejanja po zonama
7. Niska toplotna inercija
8. Briga za okolinu i ekologiju

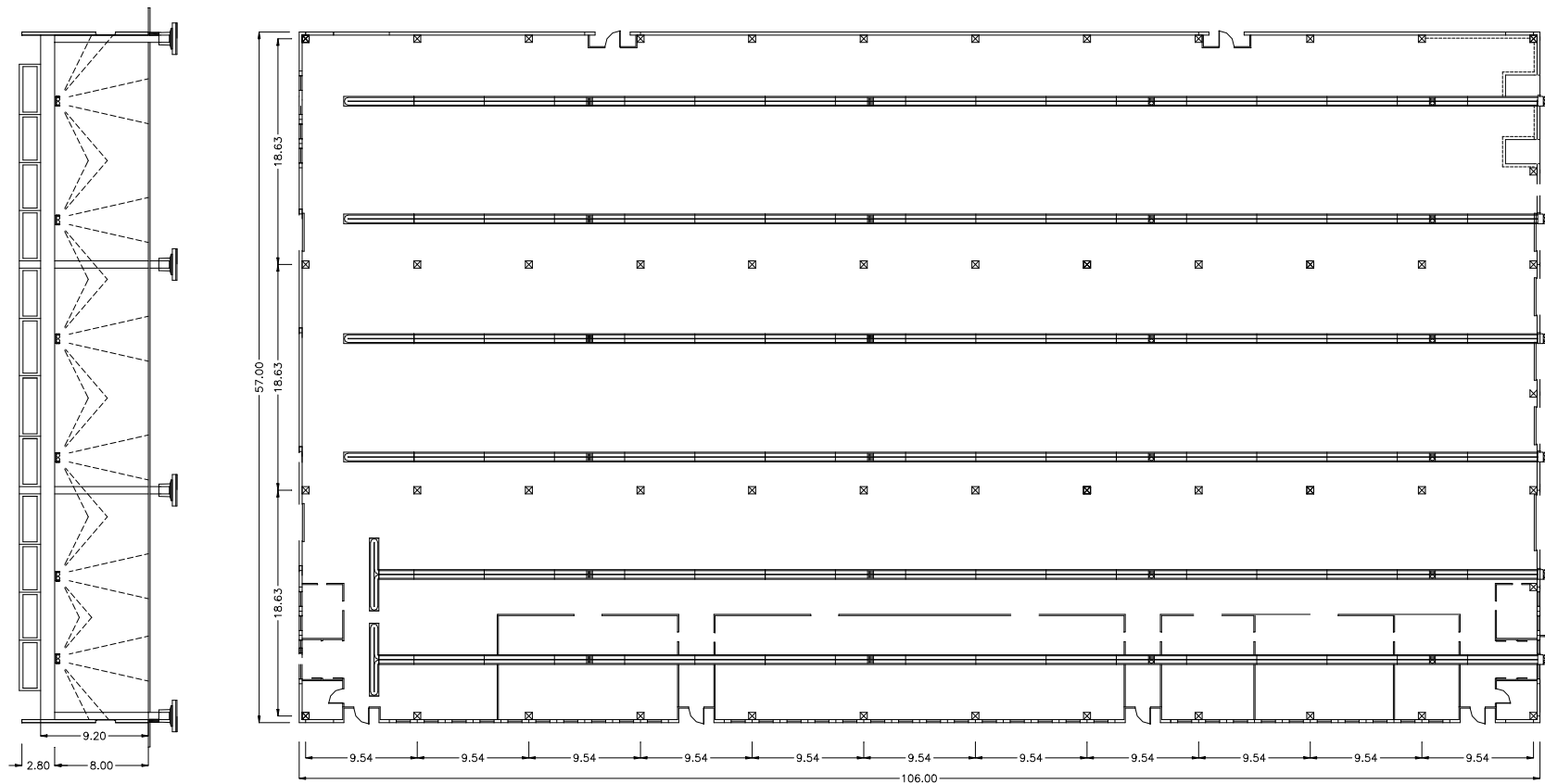
TIPIČNA UGRADNJA RADIJANTNIH TRAKA



Legenda:

- 1**=Radijantna linija
- 2**=Ispuštanje proizvoda sagorevanja
- 3**=Vanjska zaštita od aluminijuma
- 4**=EUCERK jedinica za sagorevanje
- 5**=Računarski elektronski kontroler
- 6**=Sferični (prostorni) senzor temperature

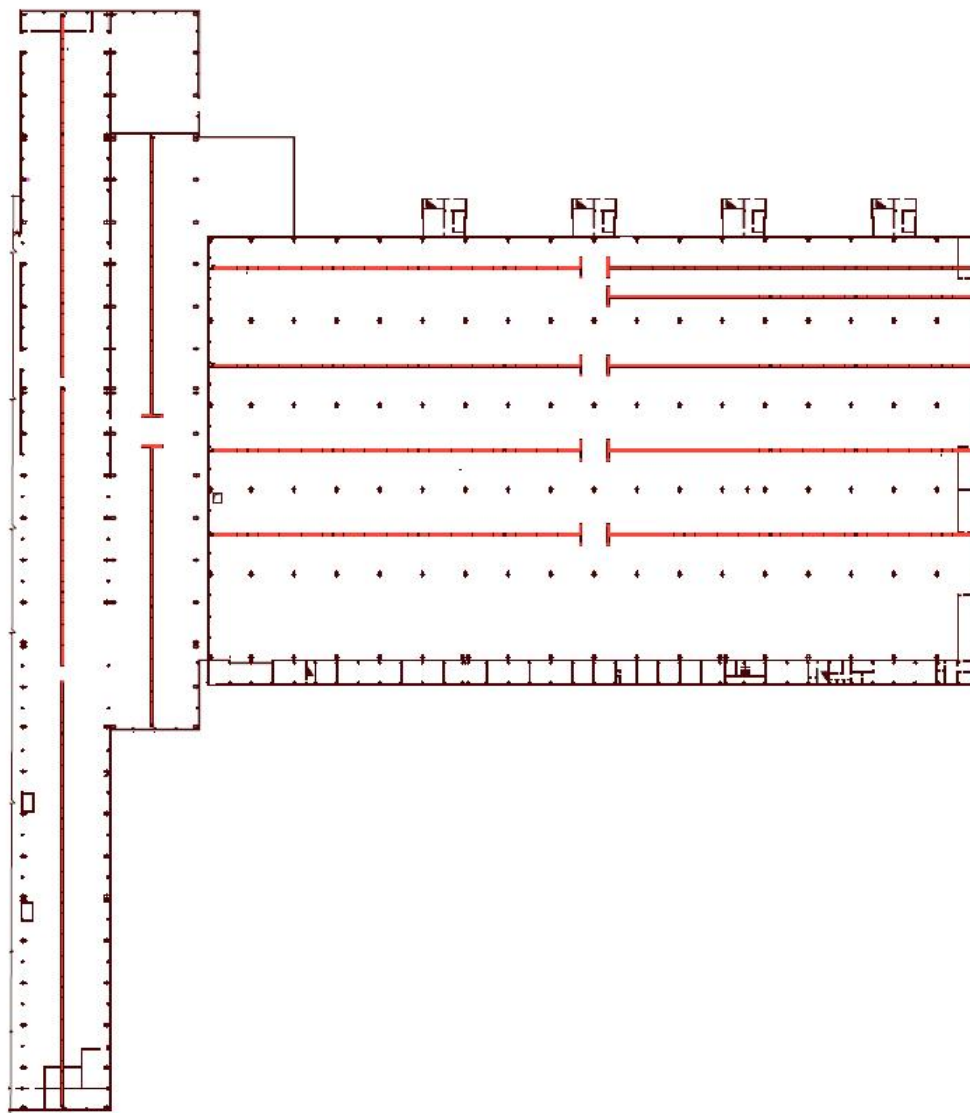
RADIJANTNI SISTEM GREJANJA - A



SISTEM SA „T“ FINALNOM CEVI

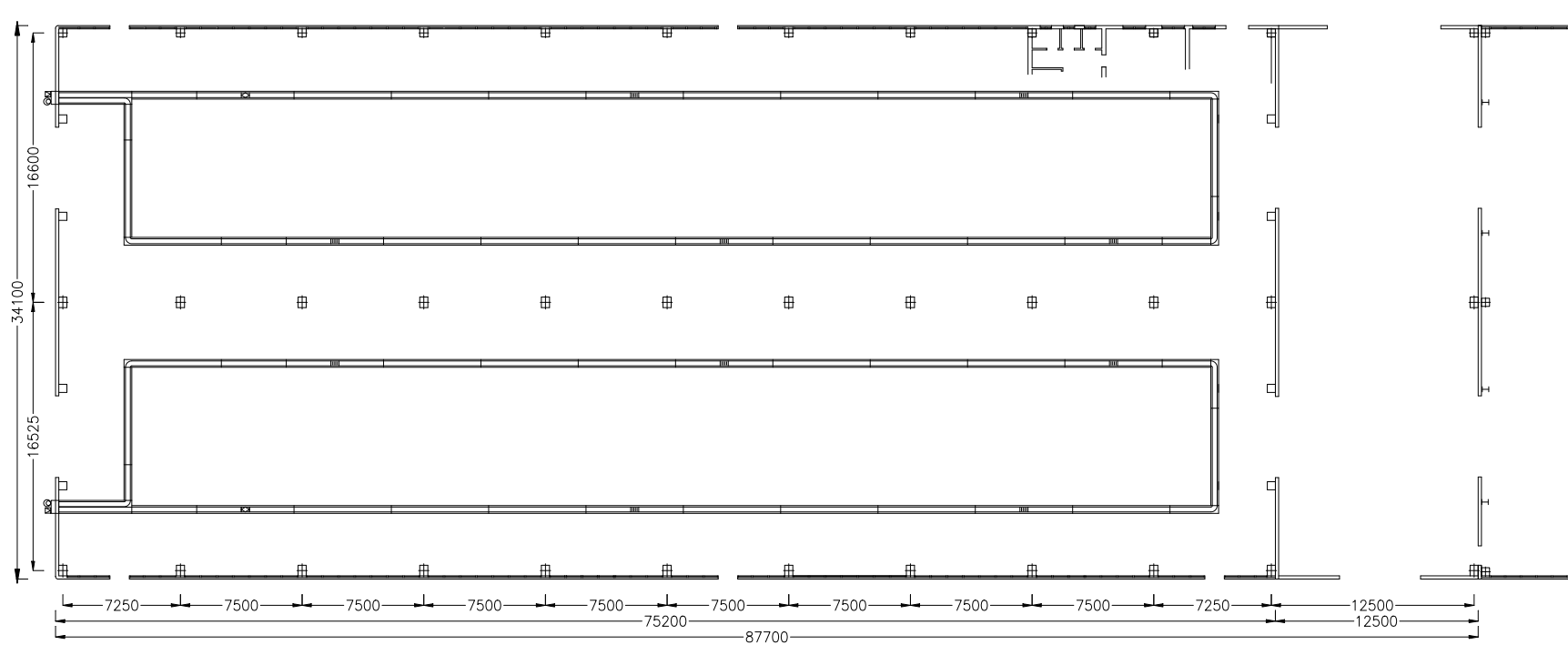


RADIJANTNI SISTEM GREJANJA - B

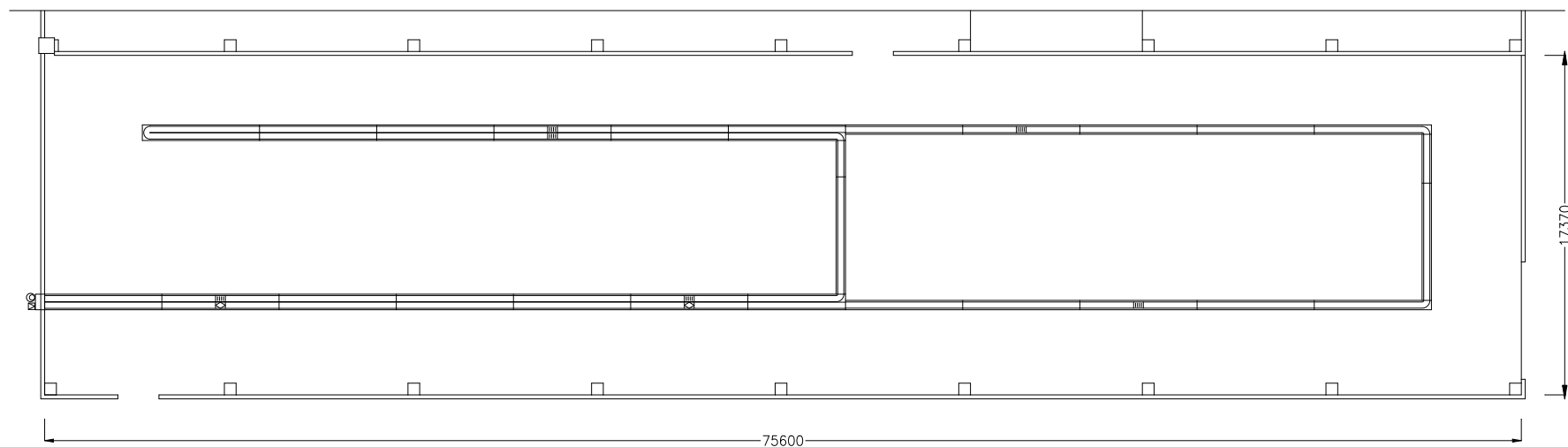




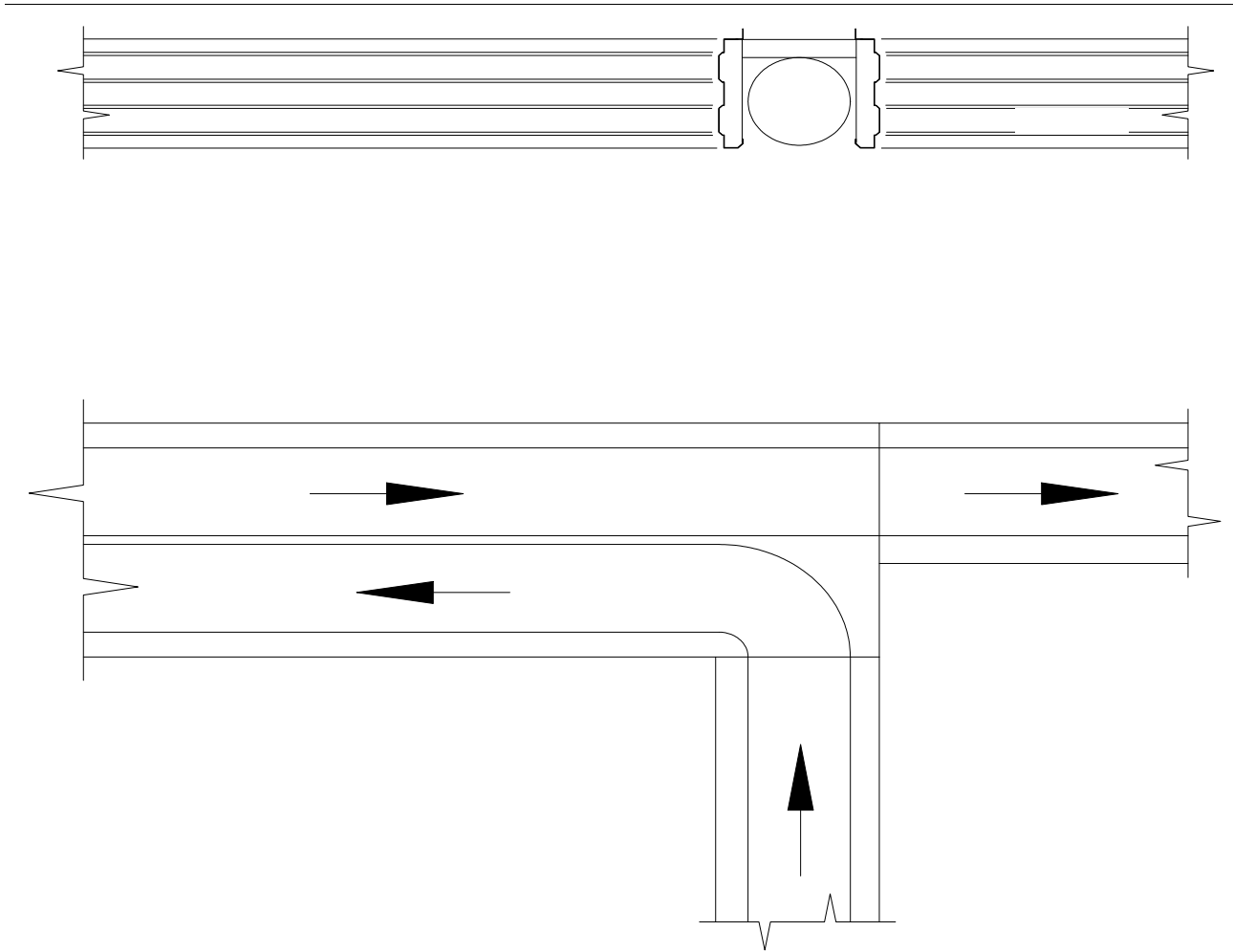
RADIJANTNI SISTEM GREJANJA - C



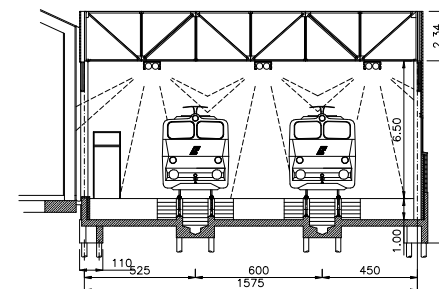
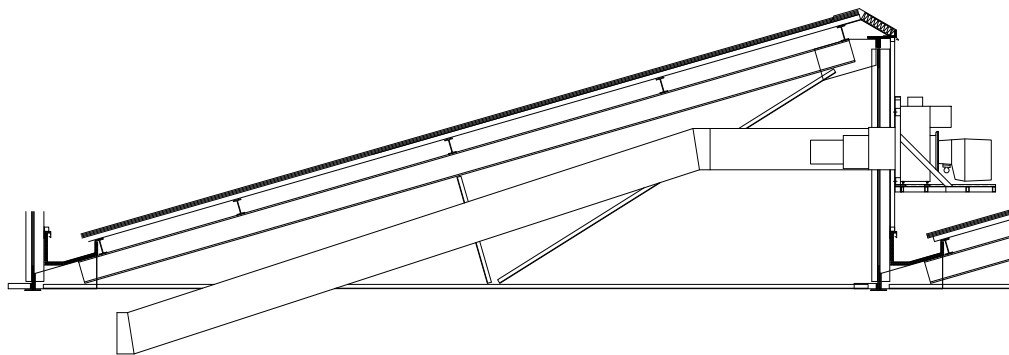
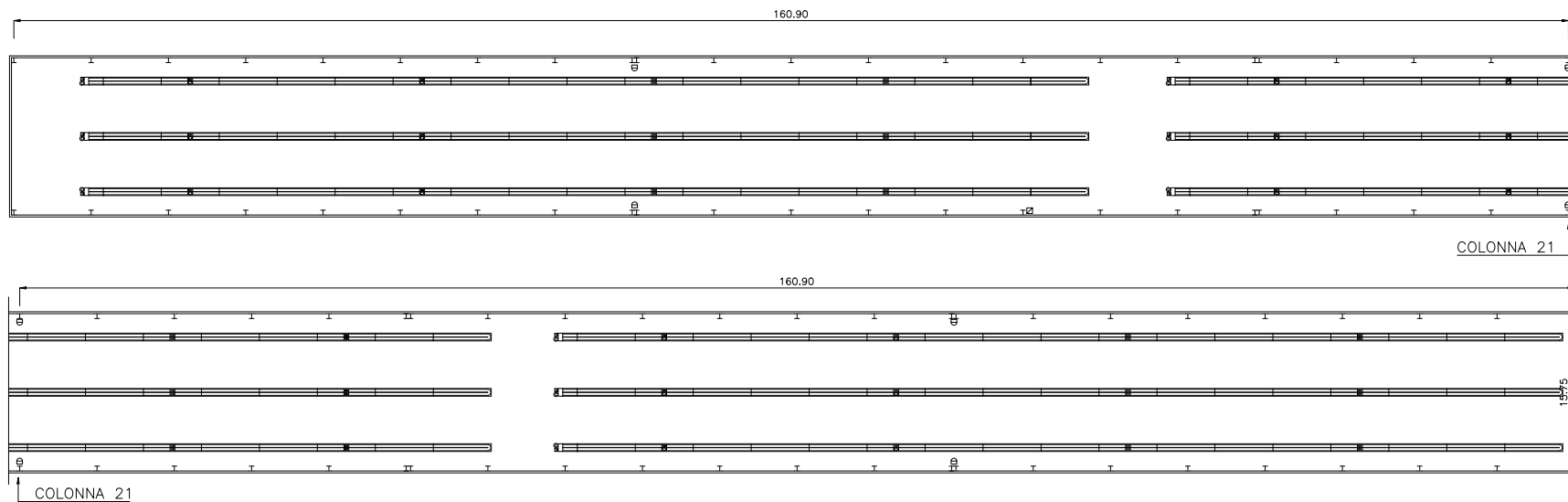
RADIJANTNI SISTEM GREJANJA C SINGLE-DOUBLE CEVI



OD DOUBLES DO SINGLE CEVI



RADIJANTNI SISTEM GREJANJA D

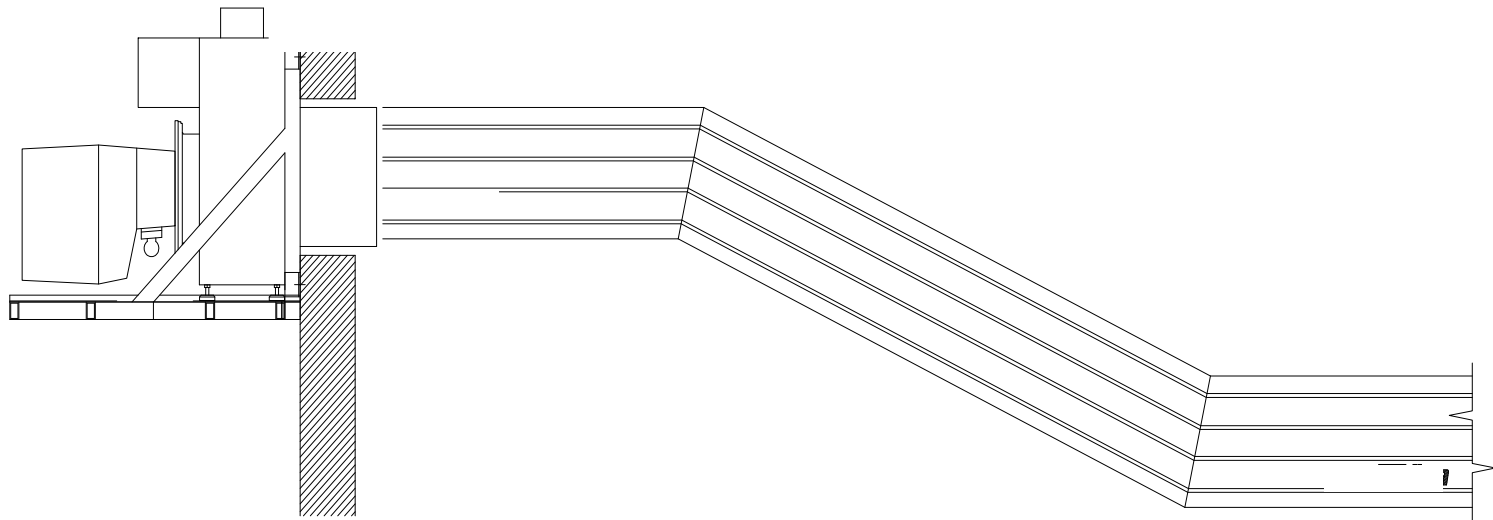


STEP-DOWN MODUL

SPOLJAŠNOST

ZID

UNUTRAŠNJOST





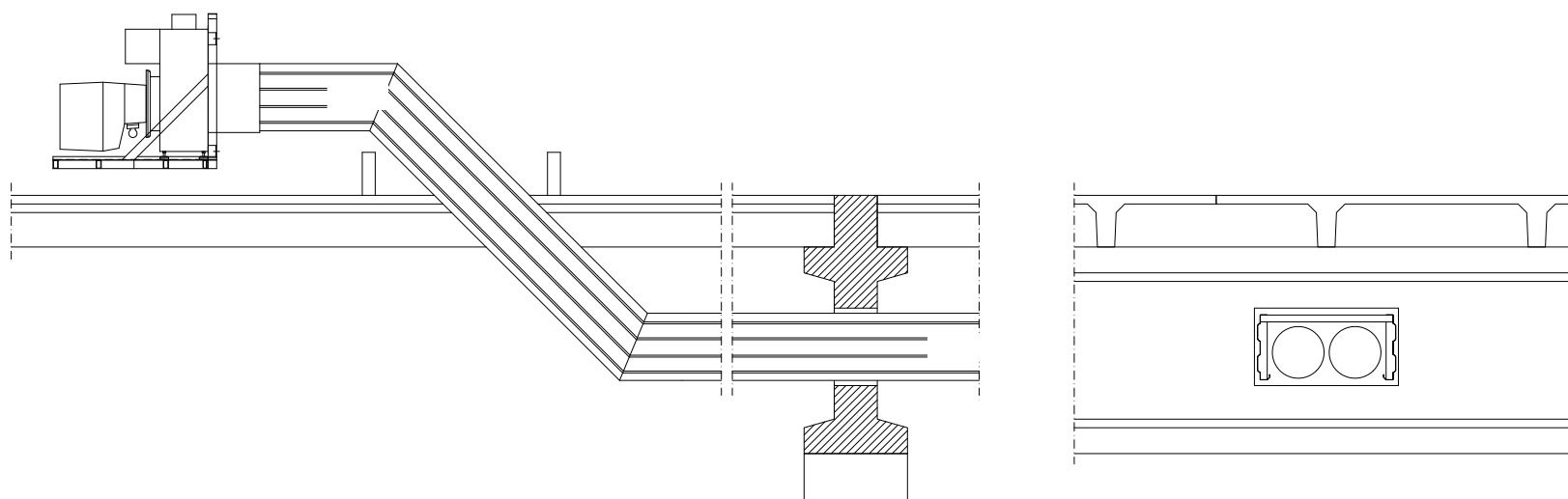
ITALIAN RAILWAYS



GREDA - PROLAZ



ULAZA SA PLAFONA I PROLAZ KROZ GREDE



SPOLJAŠNA INSTALACIJA KROZ SVETLARNIKE

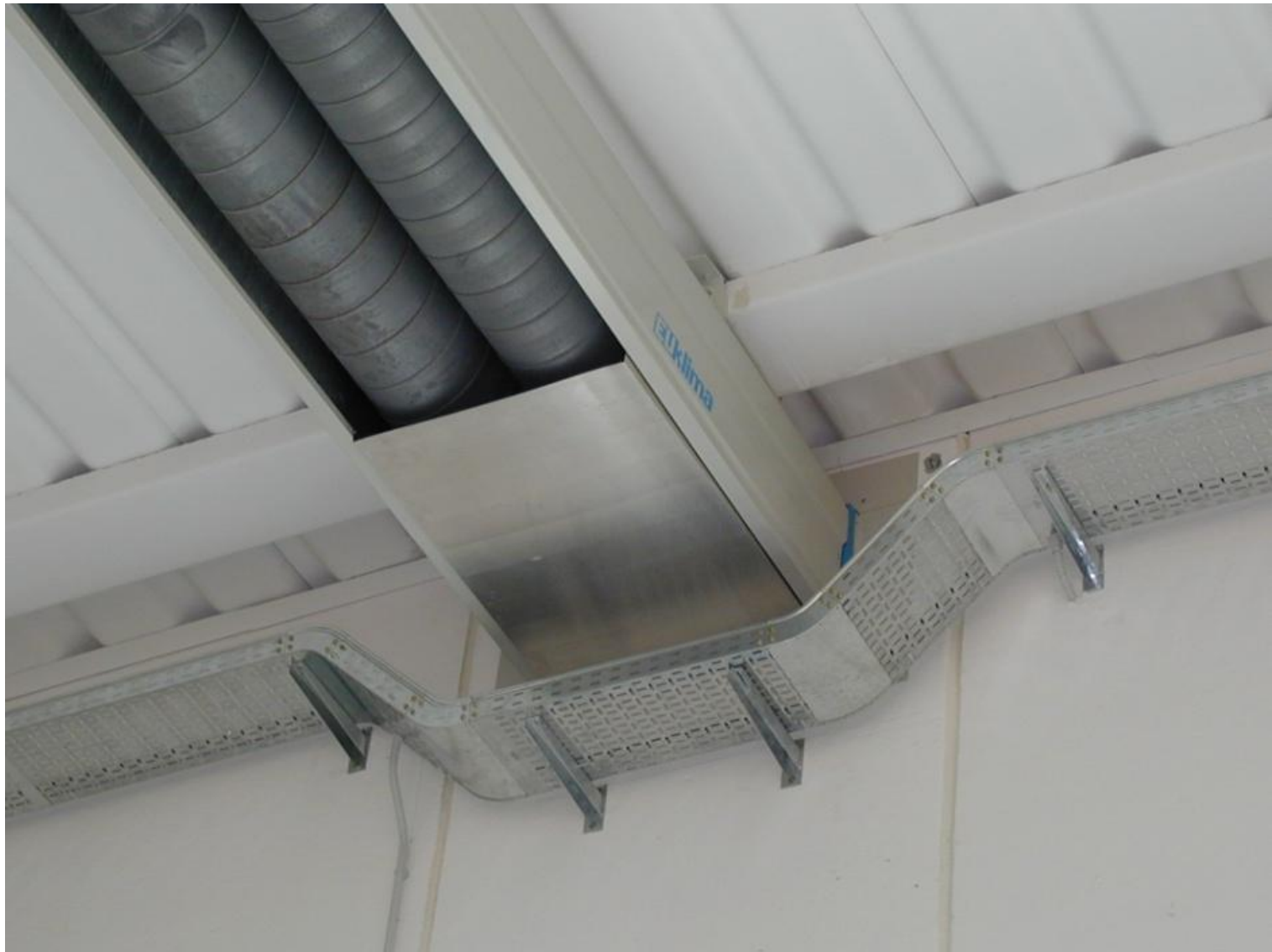




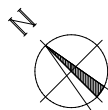
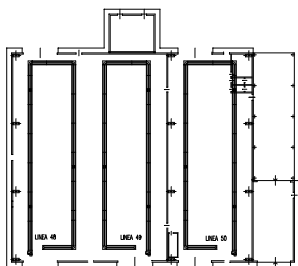
UNUTRAŠNJA INSTALACIJA



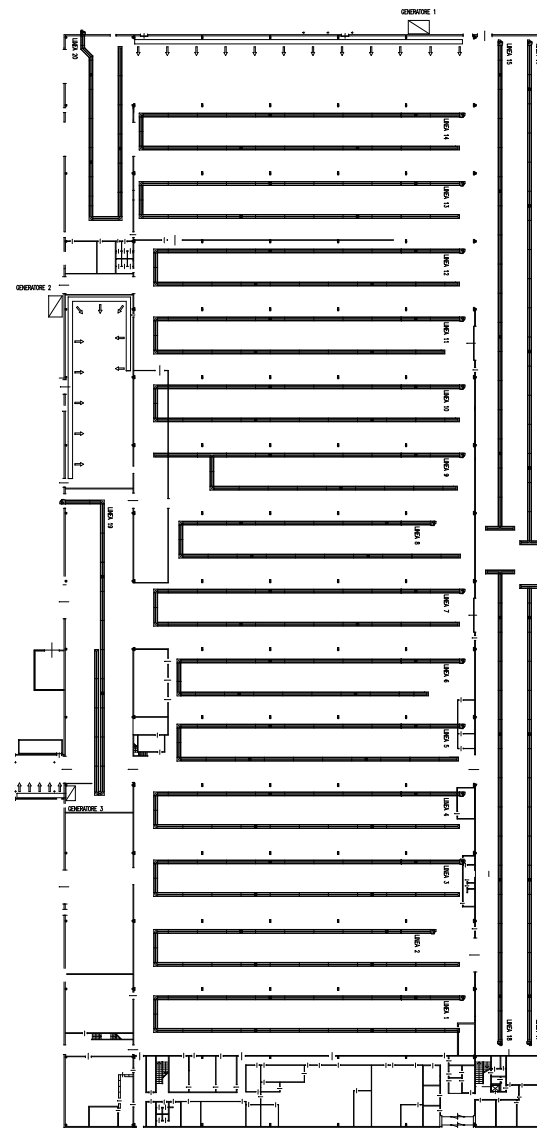
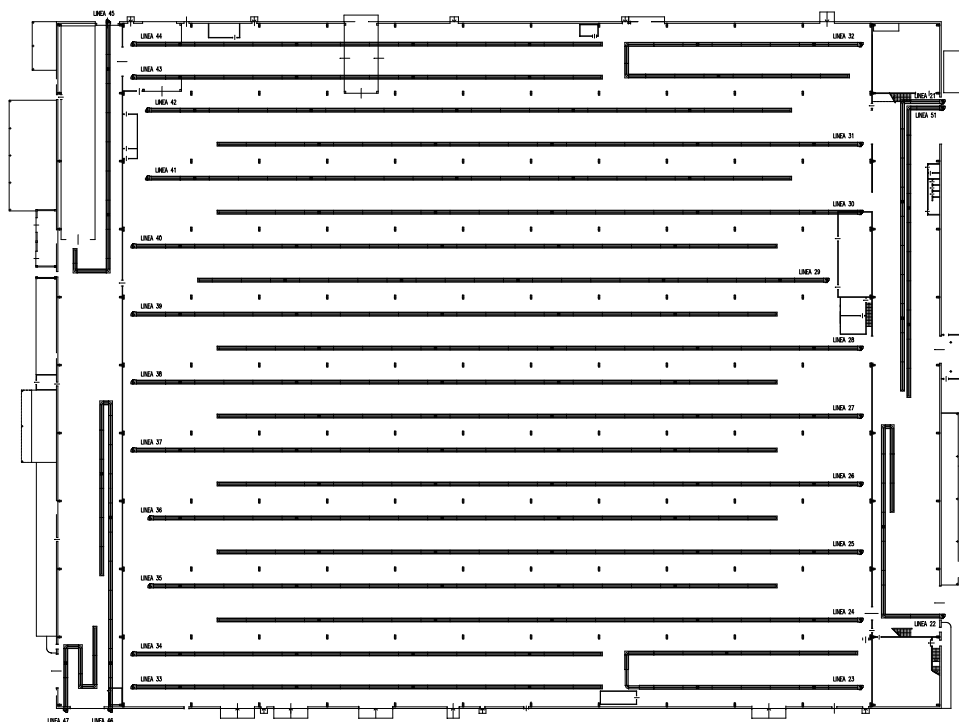




RADIJANTNI SISTEM GREJANJA - E



Fiat-Hitachi Excavators S.p.A.
Strada di Settimo, 323
10099 San Mauro Torinese (TO) - Italy
Telefono 011 / 6877.111
Telefax 011 / 6877



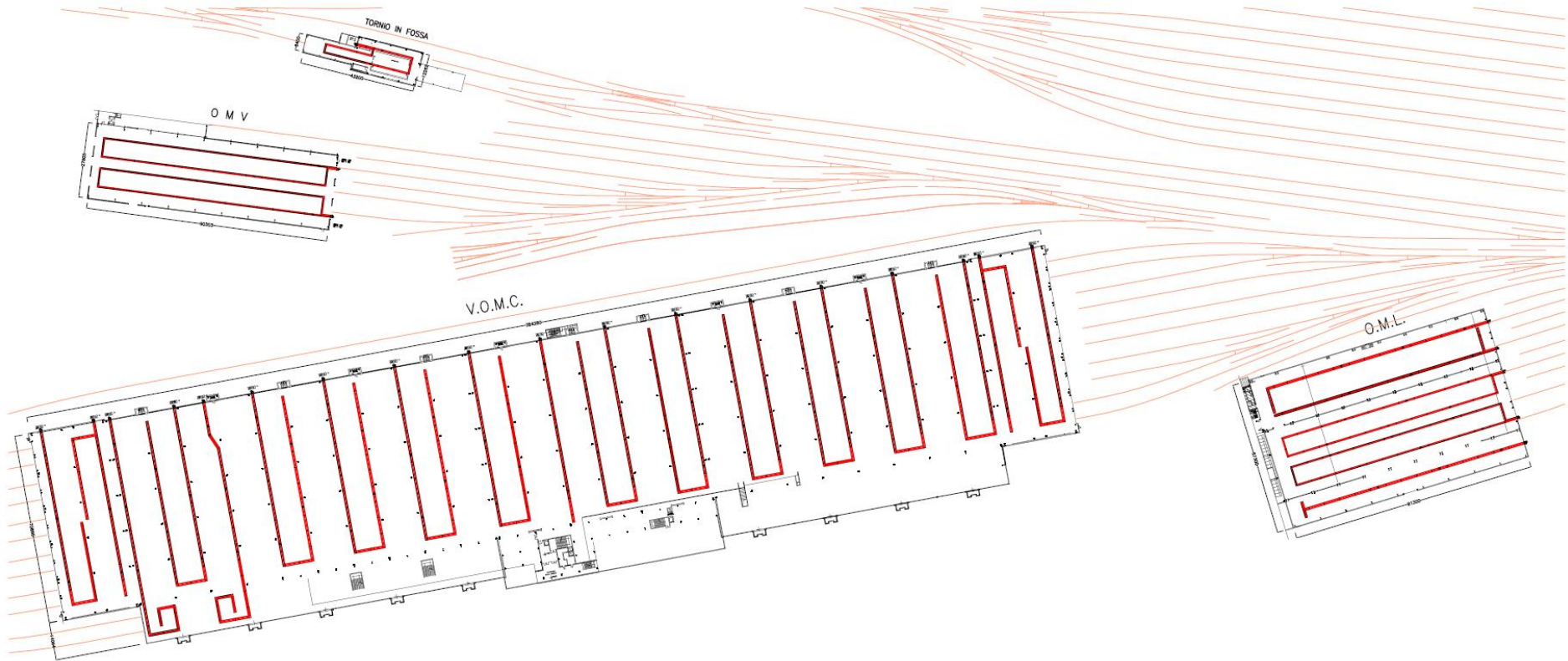
Fiat – Hitachi S.p.A.

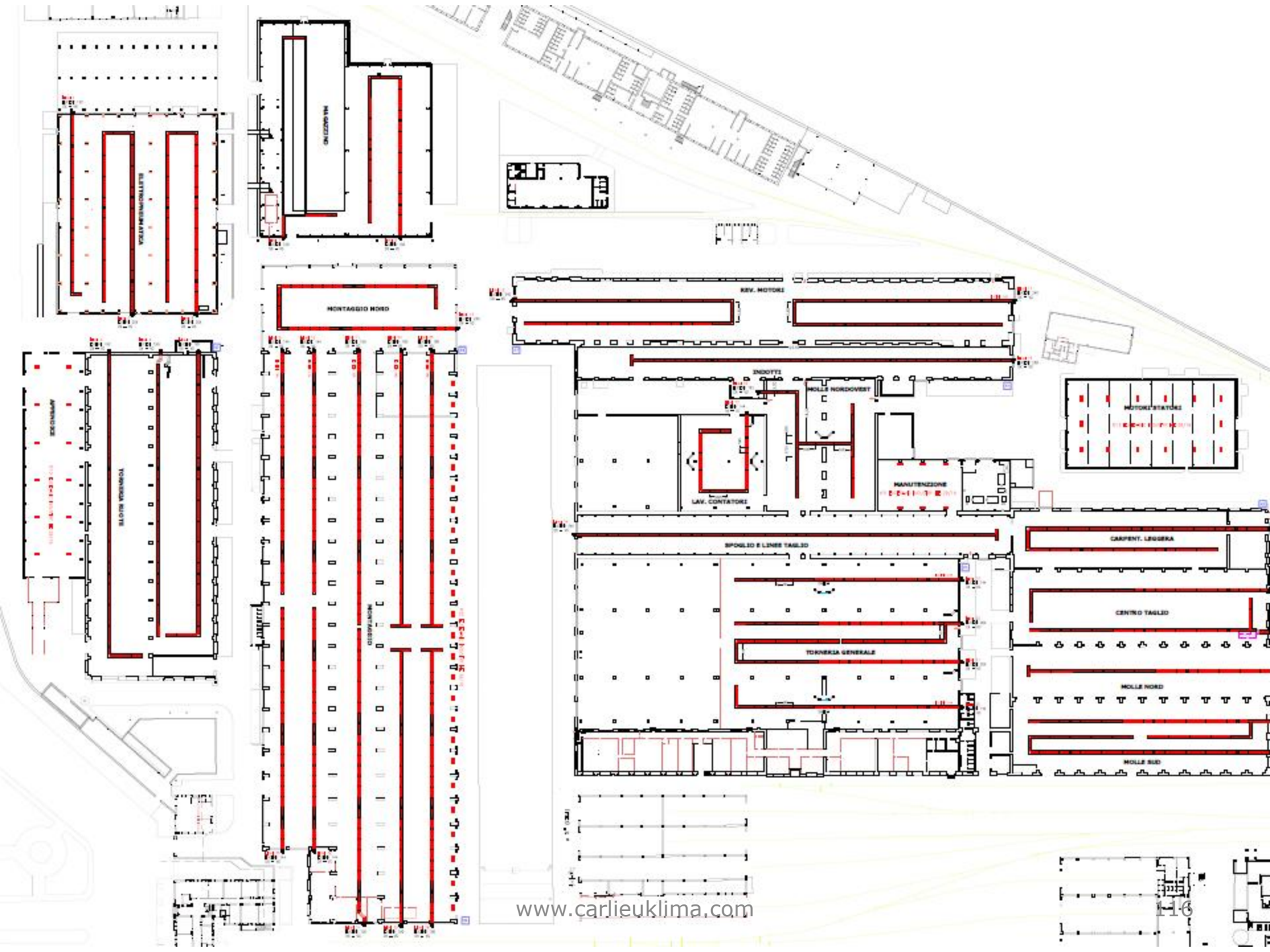


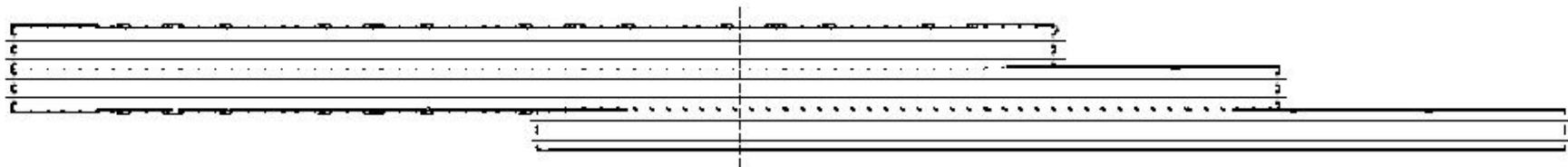
RAILWAYS



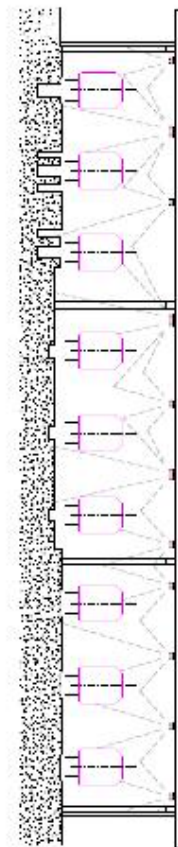
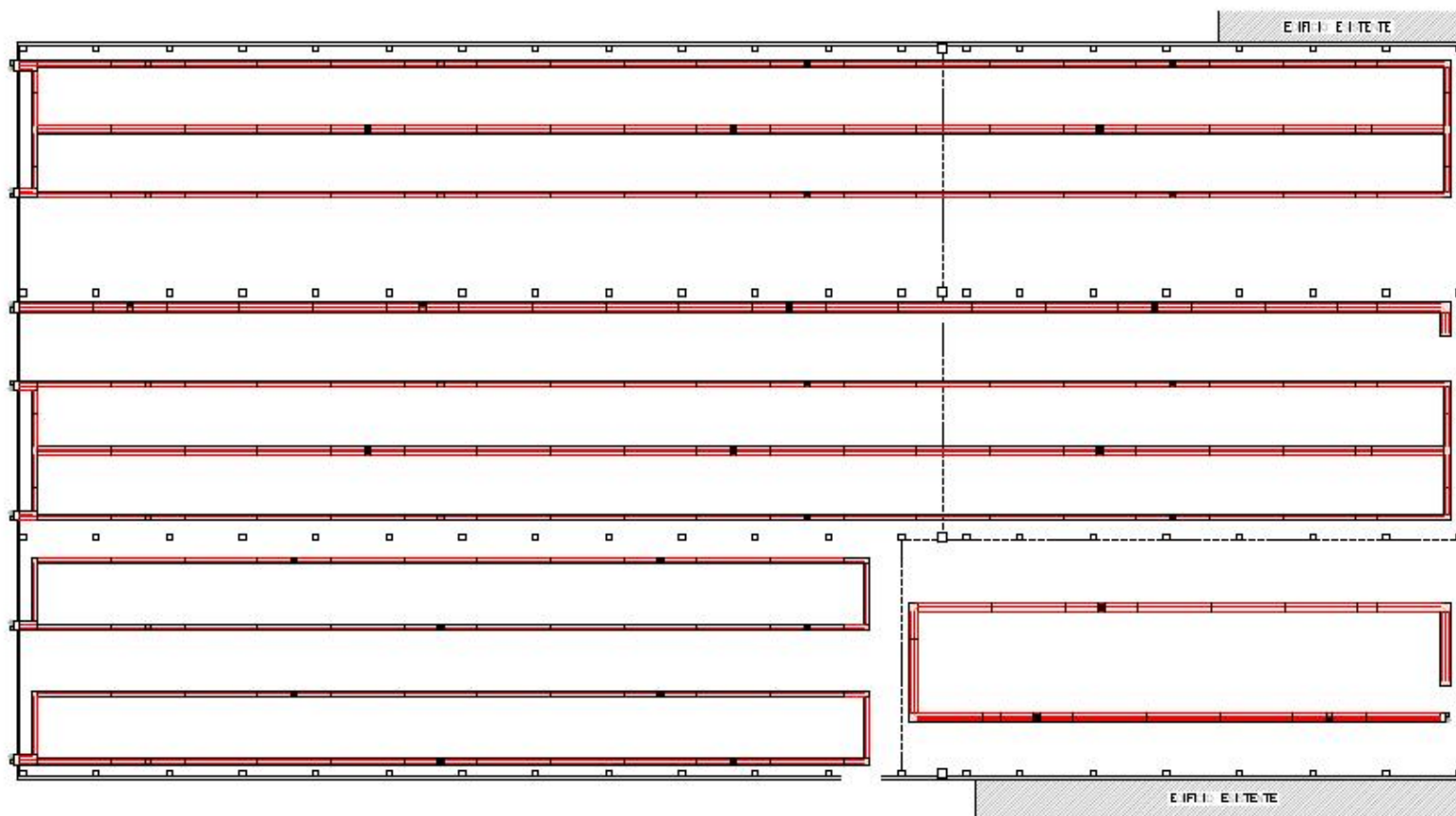
TRENITALIA FIRENZE











RAILWAY REPAIR FACTORY – SIEMENS - BULGARIA



LUFTHANSA TECHNIK, BULGARIA - SOFIA



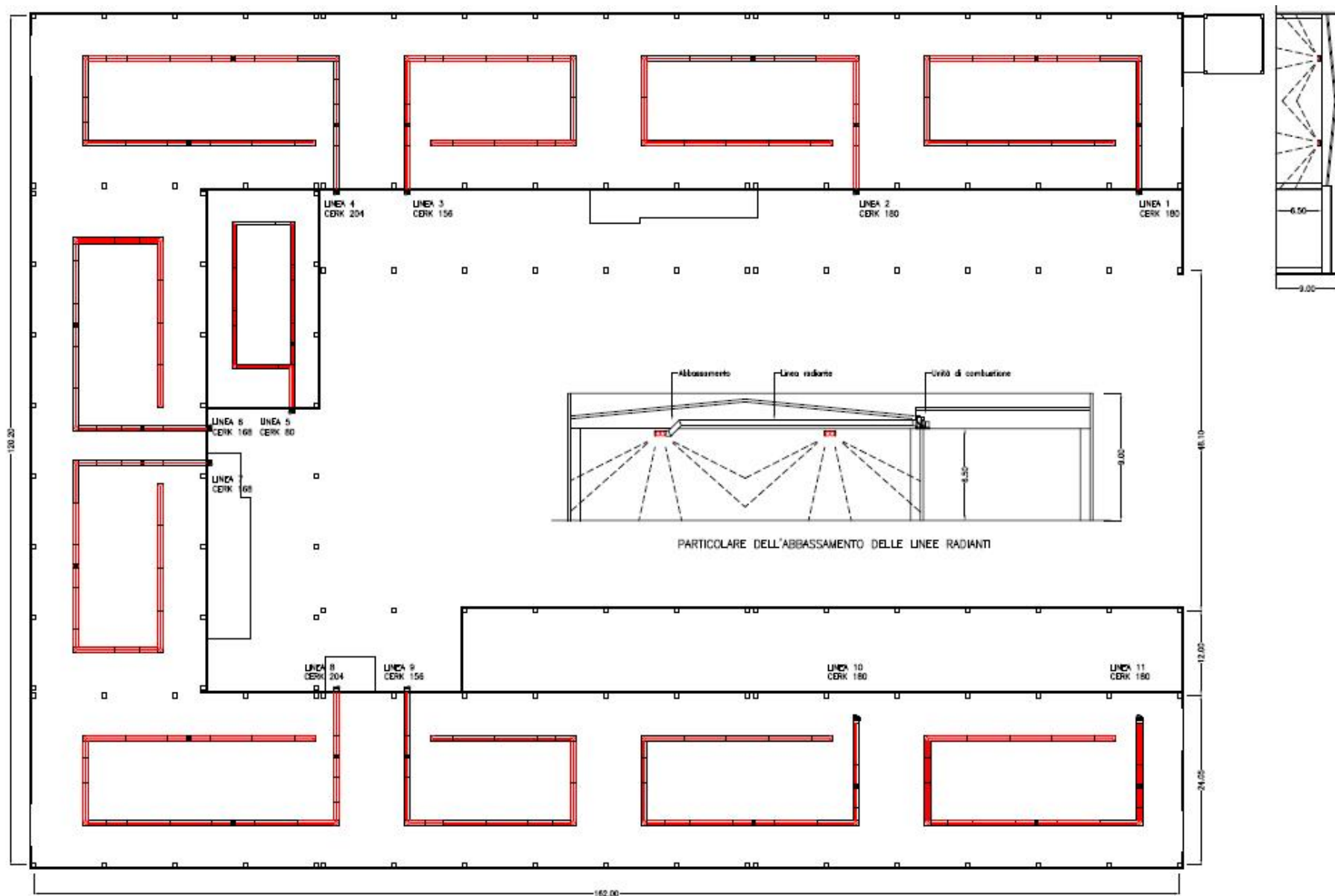
25 July 2017

www.carlieuklima.com

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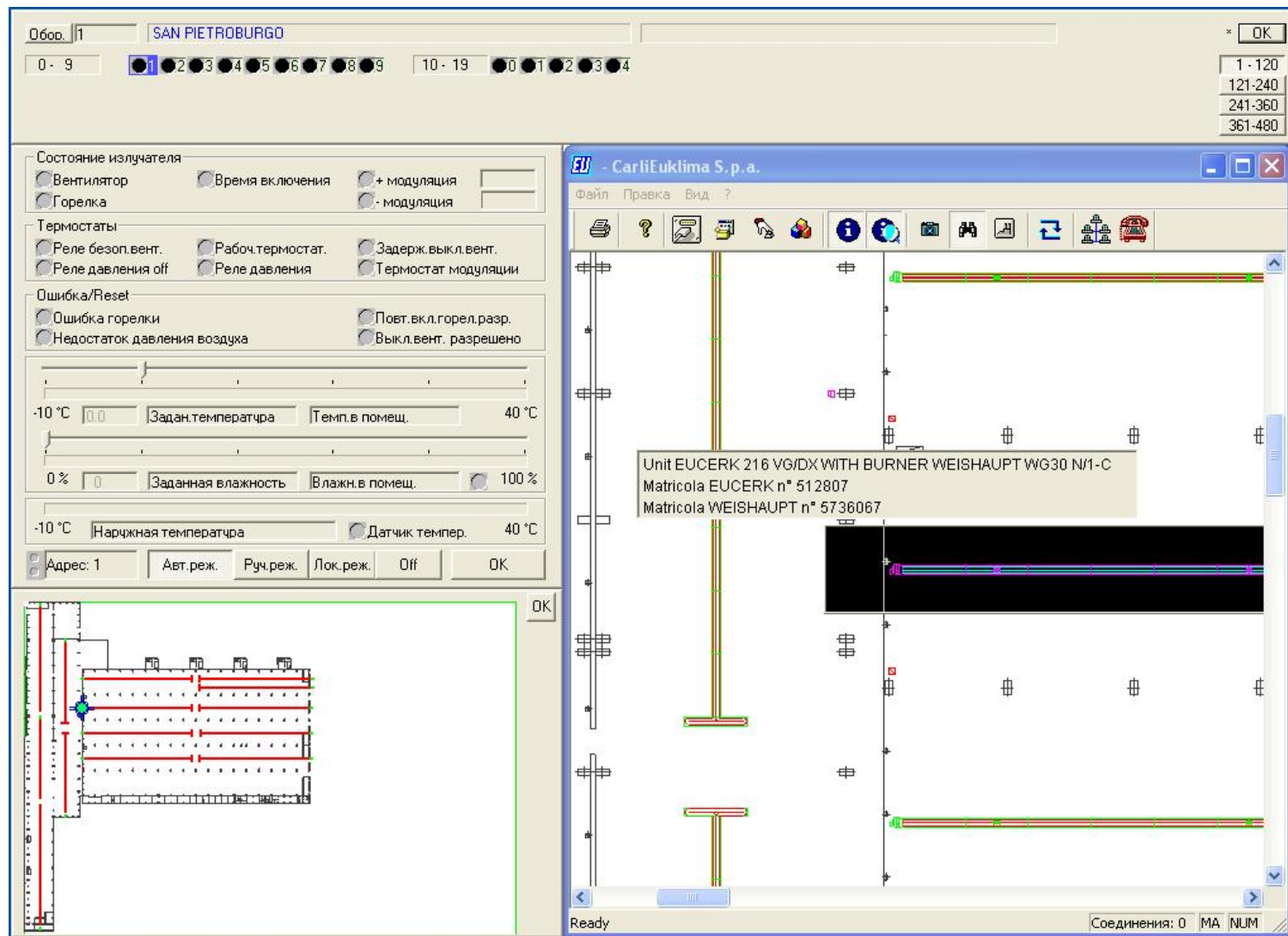


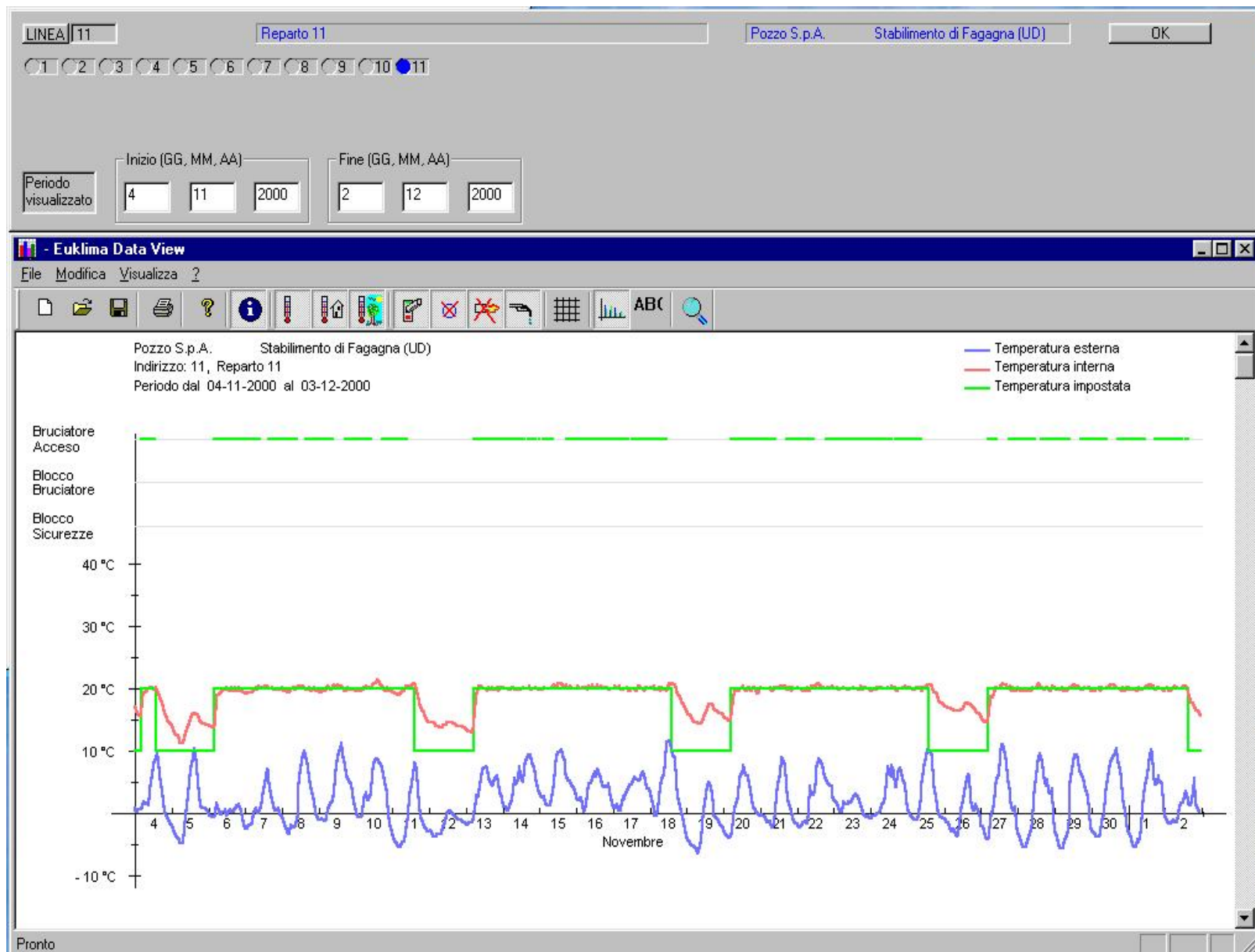




UTOVAR EUCERK SISTEMA







CERTIFIED QUALITY



kiwa
 Partner for progress



Numero / Number KIP-087867/G Sostituisce / Replaces 30/07/2004
 Emesso / Issued 29/12/2014 Scopo / Scope Directive 2009/142/EC
 Rapporto / Report 300558
 NIP/ PIN 0694BP0558

CERTIFICATO DI ESAME CE DI TIPO EC TYPE EXAMINATION CERTIFICATE

Kiwa dichiara che i prodotti
Kiwa hereby declares that the products

nastrì radianti a gas sospesi con bruciatore singolo
single burner gas-fired overhead radiant strip heaters

Marchio / trade mark:	CARLIEUKLIMA		
Modelli / models:	EUCERK 90	EUCERK 156	EUCERK 204
	EUCERK 120	EUCERK 168	EUCERK 216
	EUCERK 132	EUCERK 180	EUCERK 228
	EUCERK 144	EUCERK 192	EUCERK 240

costruiti da /
made by **CARLIEUKLIMA S.p.A.**
Fontanafredda (PN), Italia

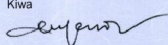
soddisfano i requisiti riportati nella
meets the essential requirements as described in the
Direttiva Apparecchi a Gas 2009/142/CE
Directive on appliances burning gaseous fuels 2009/142/EC

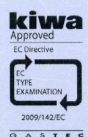
I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

Tipi di apparecchi / appliance type : B₁₃, C₁₃, C₃₃

Paesi e categorie apparecchi / Countries and appliance categories
 AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS,
 IT, LT, LU, LV, MK, MT, NO, NL, PL, PT, RO, SE, SI, SK, TR

Le categorie dipendono dai bruciatori ad aria soffiata utilizzati.
Appliance categories depend on the used forced draught burner.
 I bruciatori ad aria soffiata utilizzati dovranno essere certificati per i paesi sopra indicati.
The used forced draught burners have to be certified for the above mentioned countries.

Kiwa

 Mariella Pozzoli
 President



0694

Kiwa Italia S.p.a.
 Sede Legale:
 Via C. Goldoni, 1
 20129 Milano
 Sede Amministrativa e operativa:
 Via Treviso, 32/34
 31020 San Vendemiano (TV)
www.kiwa.it



kiwa
 Partner for progress



Numero / Number KIP-087868/G Sostituisce / Replaces 30/07/2004
 Emesso / Issued 29/12/2014 Scopo / Scope Directive 2009/142/EC
 Rapporto / Report 300541
 NIP/ PIN 0694BP0541

CERTIFICATO DI ESAME CE DI TIPO EC TYPE EXAMINATION CERTIFICATE

Kiwa dichiara che i prodotti
Kiwa hereby declares that the products

nastrì radianti a gas sospesi con bruciatore singolo
single burner gas-fired overhead radiant strip heaters

Marchio / trade mark:	CARLIEUKLIMA		
Modelli / models:	EUCERK JR 40		
	EUCERK JR 50		
	EUCERK JR 60		
	EUCERK JR 70		
	EUCERK JR 80		

costruiti da /
made by **CARLIEUKLIMA S.p.A.**
Fontanafredda (PN), Italia

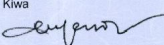
soddisfano i requisiti riportati nella
meets the essential requirements as described in the
Direttiva Apparecchi a Gas 2009/142/CE
Directive on appliances burning gaseous fuels 2009/142/EC

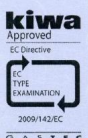
I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

Tipi di apparecchi / appliance type : B₁₃, C₁₃, C₃₃

Paesi e categorie apparecchi / Countries and appliance categories
 AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS,
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 31020 San Vendemiano (TV)
www.kiwa.it

EURAD

RADIJANTNE CEVI ZA GREJANJE

EURAD IZBOR



EURAD MSM



**EURAD
MSU**



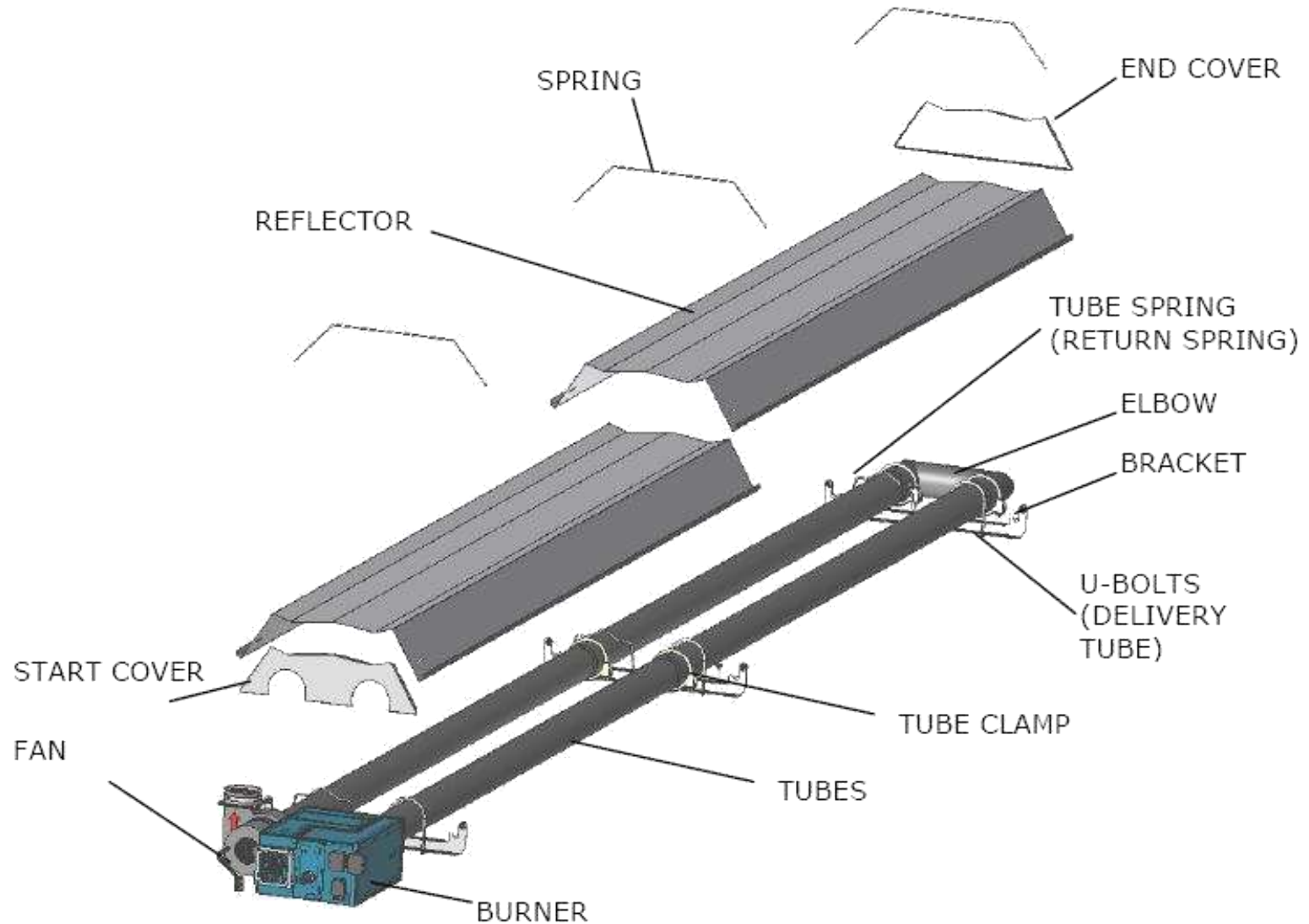
EURAD MSC

Izbor je komponovan od različitih modela sa snagom od 15 - 50 kW

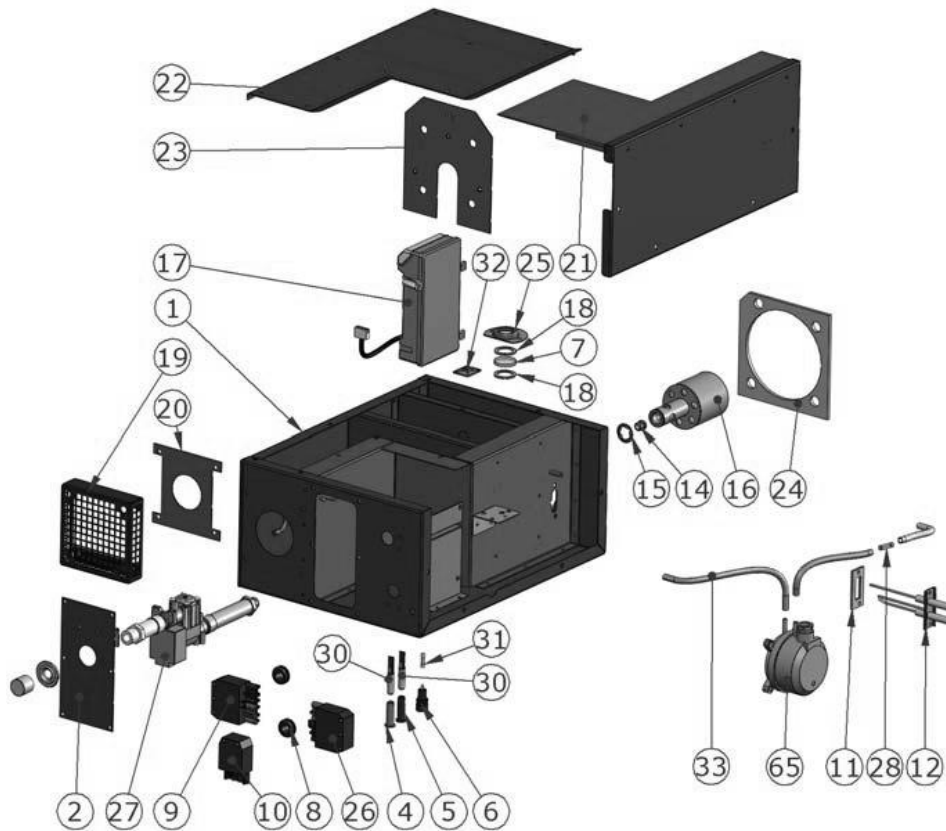
OSNOVNE KARAKTERISTIKE RADIJANTNIH CEVI EURAD

1. Gorionik sa čeličnom bakljom i odvojenom komorom
2. Detekcija jonizacije plamena
3. Ventilator sa propelerom otpornim na visoke temperature
4. Aluminizovane čelične cevi prečnika 100 mm
5. Reflektori sa visoko reflektivnom snagom
6. Aluminizovane čelične cevi , fiksne i podesive
7. Mogućnost upravljanja posebnim interfejsom pomoću računara
8. Detektovanje temperature pomoću sferičnog senzora toplote
9. Mogućnost daljinskog upravljanja sa kompjuterizovanim sistemom upravljanja
10. Opcija dvostepenih gorionika

EURAD KOMPONENTE

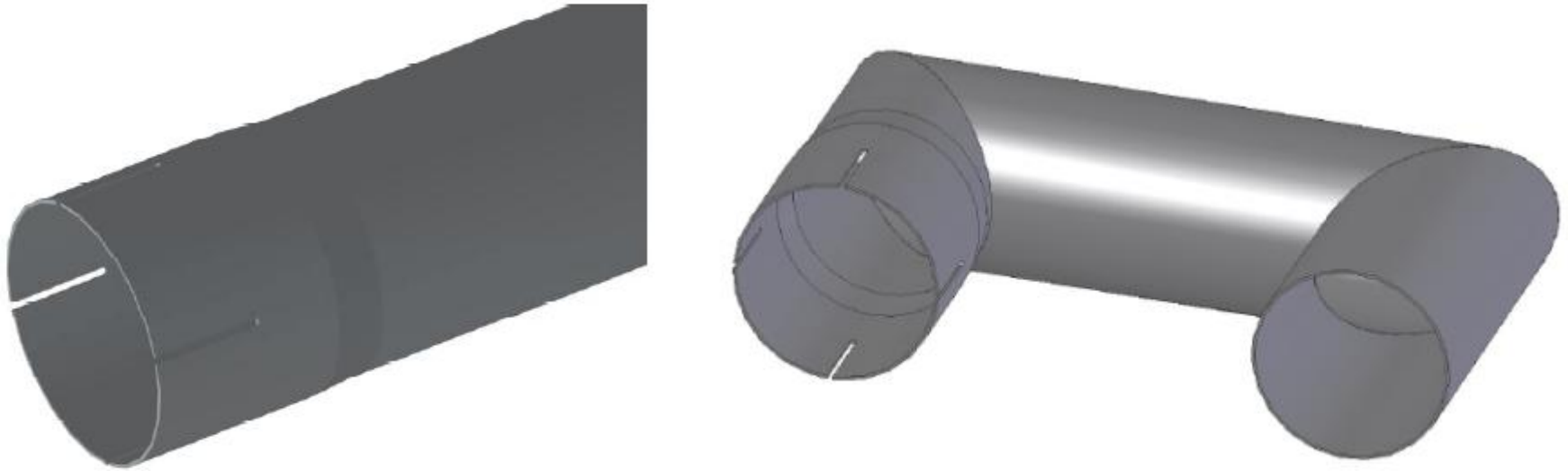


GORIONIK



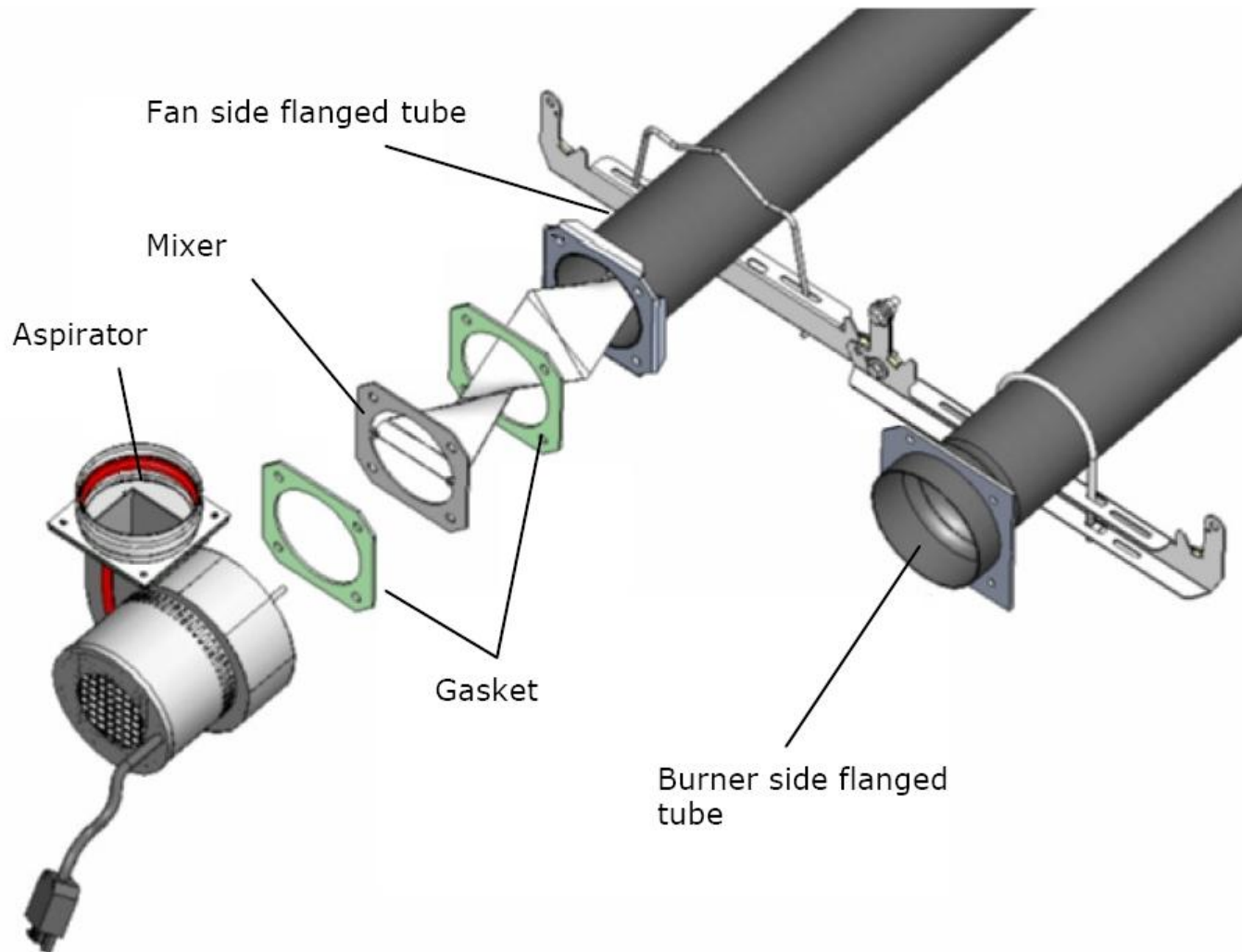
No.	DESCRIPTION	N°	DESCRIPTION
1	EURAD BURNER BOX	18	GASKET FOR THERMAL GLASS
2	VALVE FLANGE	19	AIR INTAKE PROTECTION GRID
4	ORANGE GEM	20	AIR INTAKE PLATE
5	RED GEM	21	ELECTRIC COMPONENTS COVER
6	FUSE HOLDER	22	TORCH SIDE COVER
7	THERMAL GLASS	23	AIR ADJUSTMENT PLATE
8	CABLE PASSAGE RUBBER	24	DELIVERY TUBE FLANGE GASKET
9	6-POLE FEMALE CONNECTOR	25	GLASS HOLDER FLANGE
10	4-POLES FEMALE CONNECTOR	26	6-POLE MALE CONNECTOR
11	ELECTRODE GASKET	27	VALVE GROUP NORDGAS
12	ELECTRODE	28	CAPILLARY
13	PRESSURE SWITCH	30	NEON SIGNAL LAMP
14	NOZZLE	31	FUSE
15	TOOTHED WASHER	32	ADHESIVE BAR
16	TORCH	33	SILICON TUBE
17	FLAME CONTROL CARD NORDGAS		

CEVI I LAKTOVI



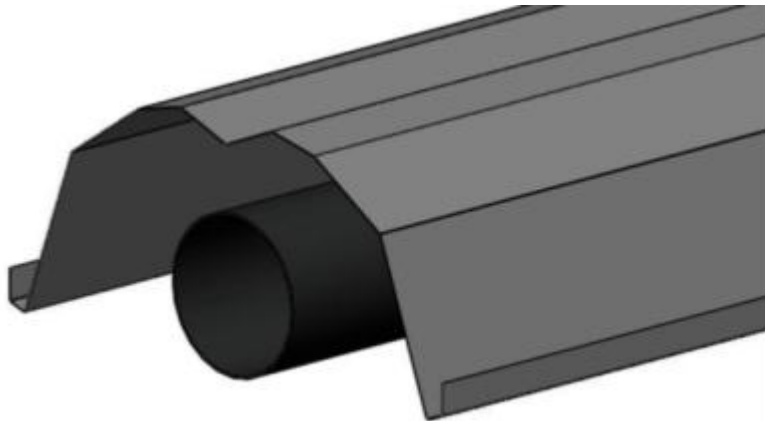
- Prečnik 100 mm, proizvedeno od aluminiziranog čelika .
- Termo-hemijski proces "kalorizacije" koji osigurava visoku emisiju energije za ceo životni ciklus sistema.

MIXER

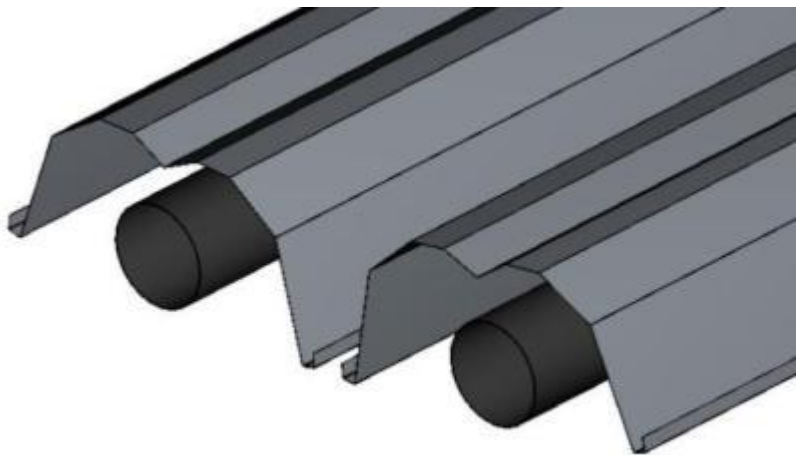


REFLEKTORI

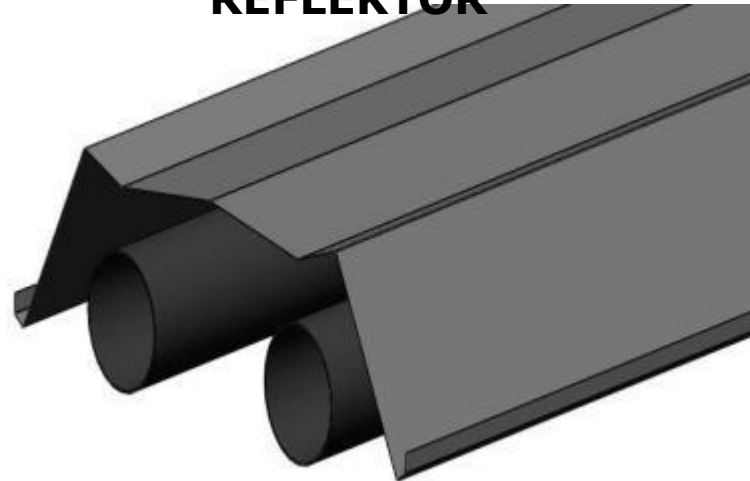
JEDNA CEV –JEDAN REFLEKTOR



DUPLA CEV I DUPLI REFLEKTOR

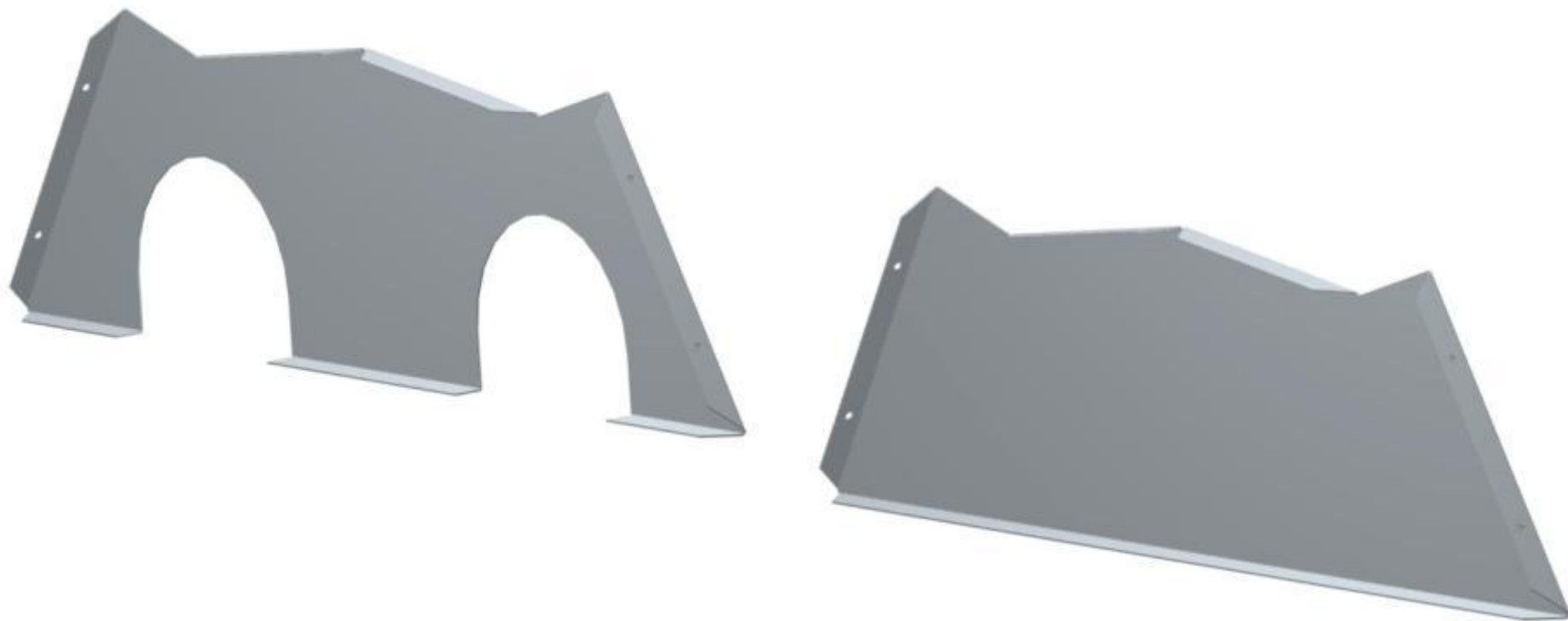


DUPLA CEV I JEDAN REFLEKTOR



- Realizovano u poliranom aluminijumu sa visokim koeficijentom refleksije.
- Poseban dizajn profila paraboličkog reflektora osigurava pravilan pravac sjaja prema zemlji, čime se izbjegavaju disperzije nagore.
- Na zahtev, za ugradnju u posebno prašnjavim područjima, zračna cev EURAD može se isporučiti sa paraboličnim reflektorima od nerđajućeg čelika.

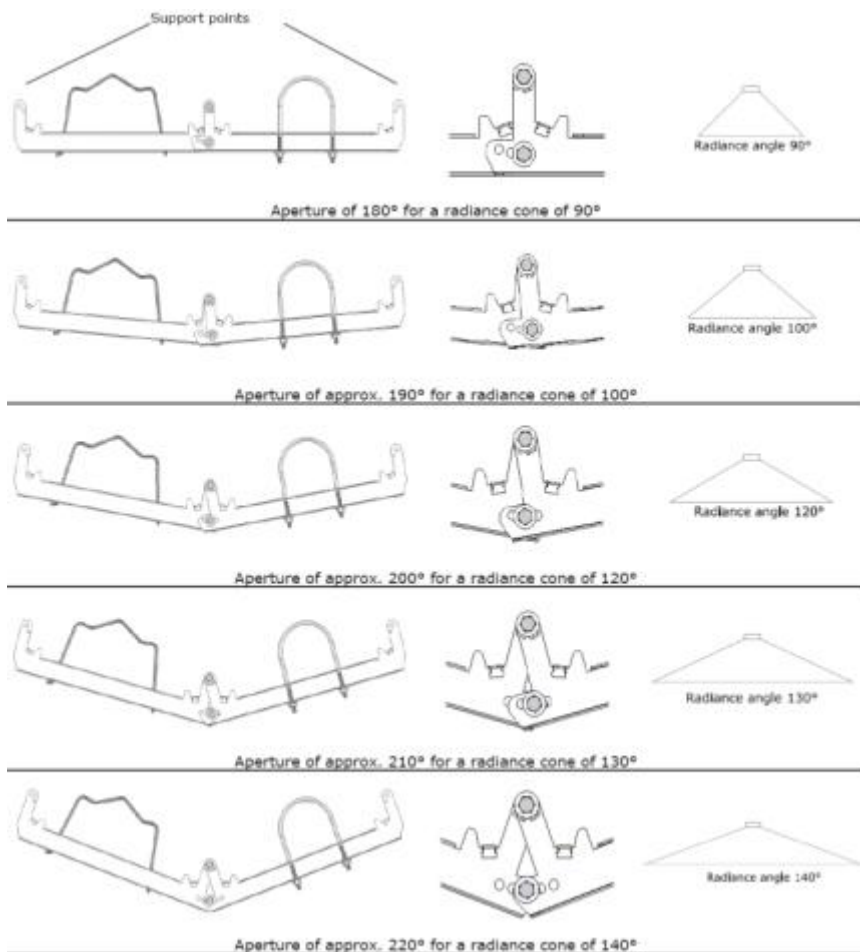
POKLOPCI



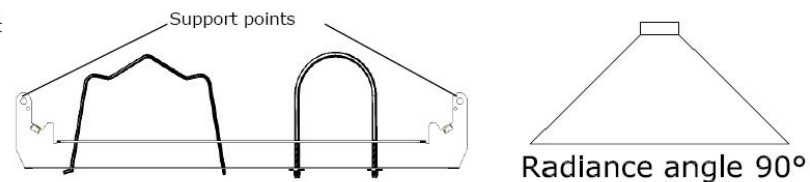
Poklopci su postavljeni u blizini ventilatora i gorionika, na početku radijantne linije i u blizini laktova na kraju linije zračenja. Ovo omogućava smanjenje na minimum gubitaka izazvanog konvekcionim fenomenima.

DISPOZICIJA UREĐAJA I RADIJANTNI KONUSI

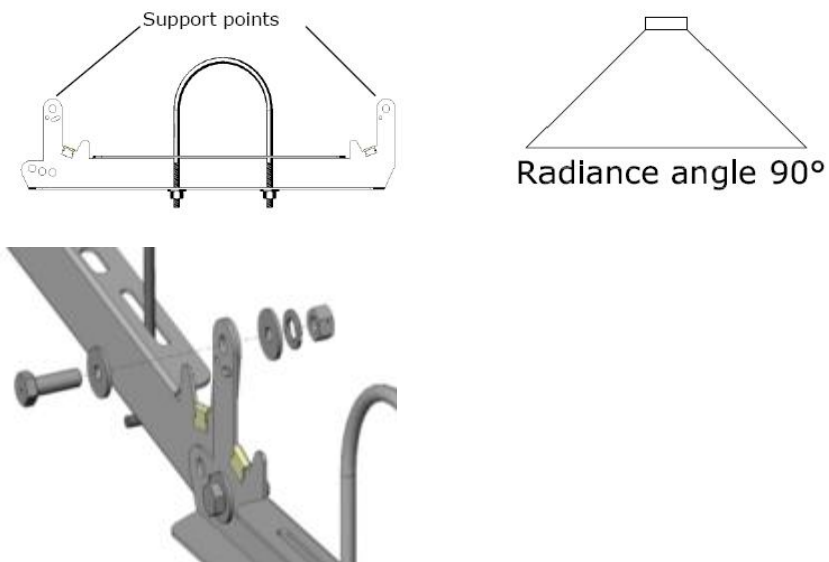
EURAD MSU



EURAD MSC



EURAD MSM



EURAD MODELI

EURAD MSU 3 M



EURAD MSU 6 L / H



EURAD MSU 9 L / H



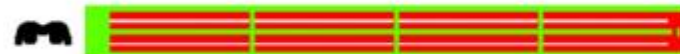
EURAD MSC 6 L / H



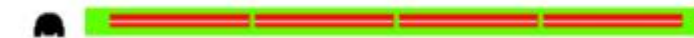
EURAD MSC 9 L / H



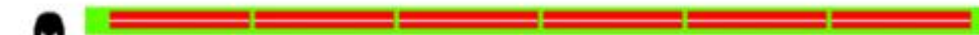
EURAD MSC 12 L / H



EURAD MSM 12 L / H



EURAD MSM 18 L / H



Model	Snaga [kW]
MSU 3 M	15,1
MSU 6 L	27
MSU 6 H	37,8
MSU 9 L	42,2
MSU 9 H	51,9
MSC 6 L	20,5
MSC 6 H	32,4
MSC 9 L	27
MSC 9 H	42,2
MSC 12 M	37,8
MSM 12 L	27
MSM 12 H	37,8
MSM 18 L	42,2
MSM 18 H	51,9

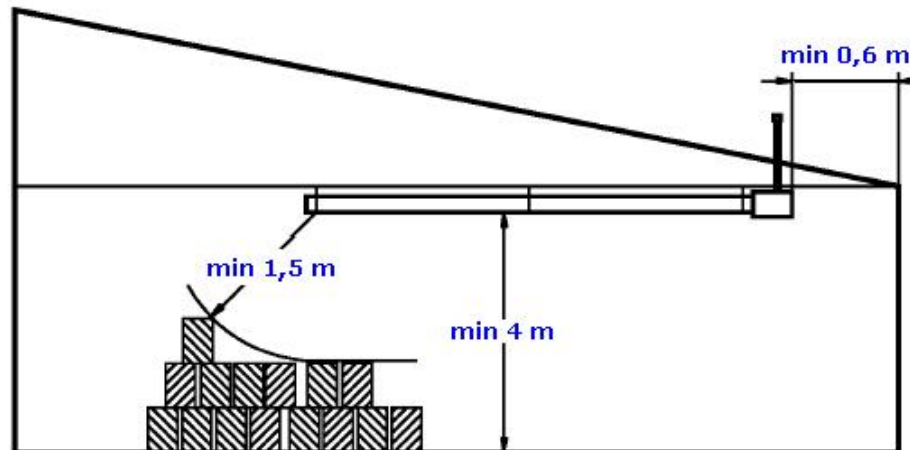
DVOSTEPENI GORIONICI

- MSU 6H 37,8 – 26,5 kW
- MSU 9H 51,9 – 36,3 kW
- MSU 12H 37,8 – 26,5 kW
- MSM 18H 51,9 – 36,3 kW
- MSC 6H 32,4 – 22,7 kW
- MSC 9H 42,2 – 29,5 kW

SIGURNOSNE DISTANCE

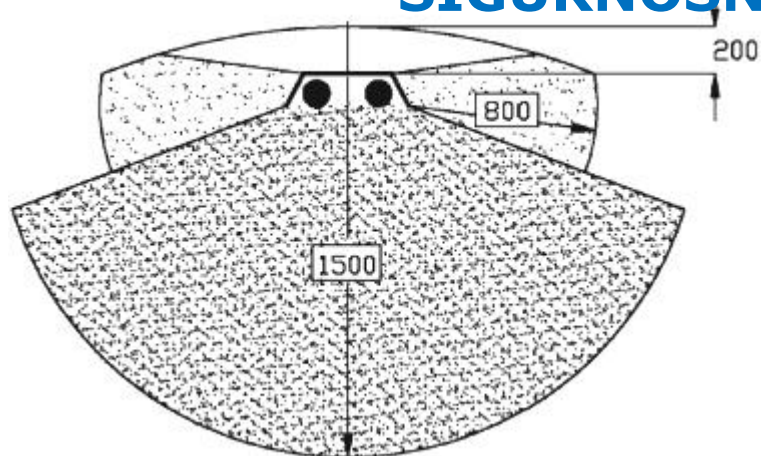
- Instalaciona visina mora biti najmanje 4 m od poda
- Strukture u kojima se nalaze gorionici radijantnih cevi moraju imati karakteristike otpornosti na vatru najmanje R/REI 30 i požarnu reakciju klase 0
- U ostalim slučajevima : Distanca izmedju uređaja i zida $\geq 0,6$ m

Distanca između uređaja i plafona ≥ 1 m

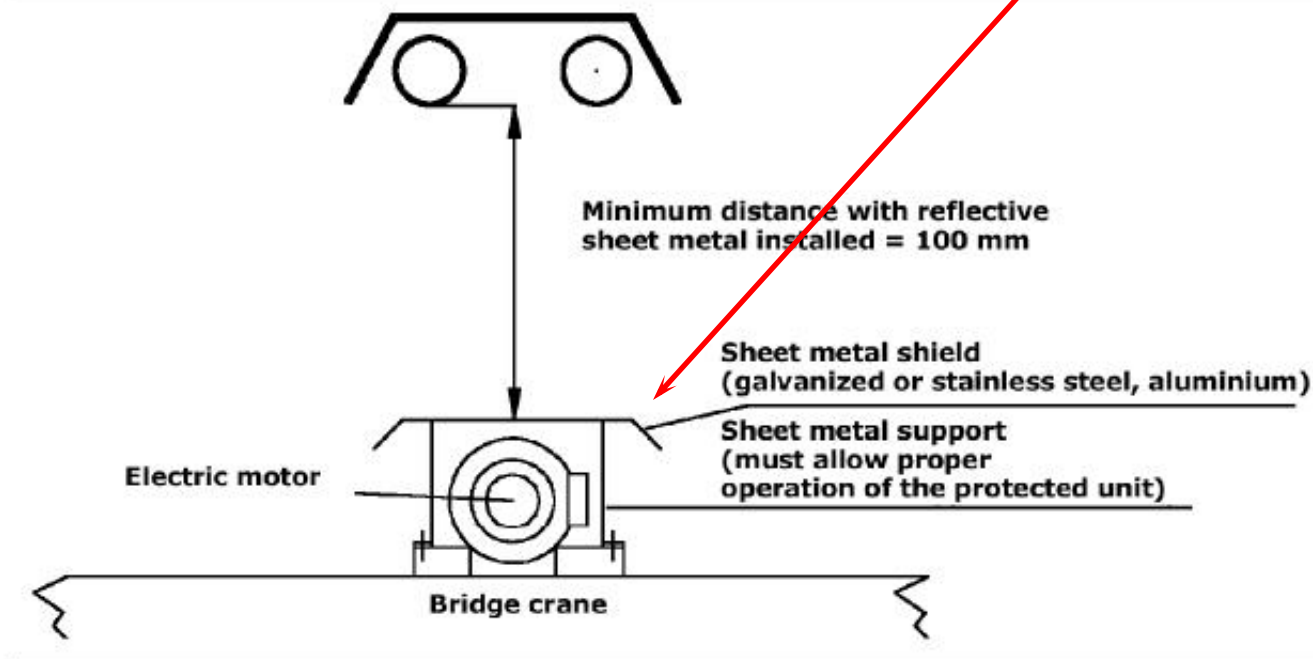


Min 1,5 m ⇒ Održati udaljenost između radijantnih cevi i zapaljivog materijala u skladištu (drvo, karton, plastika)

SIGURNOSNE DISTANCE



Postavite čelični lim sa
reflektivnim delom okrenutim
nagore!



DISPOZICIJA RADIJANTNIH CEVI

U toku montaže radijantnih cevi i linije moramo uzeti u obzir :

- SVETLARNIKE
- KRANOVE
- POSEBNE STRUKTURE OBJEKTA
- RADNI PROSTOR
- VISINA MATERIJALA U MAGACINU ILI PROIZVODNJI
- KARAKTERISTIKE I STRUKTURU OBJEKTA

DATA-BUS BLOCK DIJAGRAM

CABLE INDICATIONS

CABLE FOR COMPUTER CONNECTION

WE SUGGEST TO USE A SHIELDED CABLE WITH TWO TWIXED WIRE PAIRS WITH A CROSS SECTION AREA OF 0,75 mm²

PAIR N° 1 TO USE FOR "DATA +" AND "DATA -" CONDUCTOR

PAIR N° 2 TO USE FOR "REF" CONDUCTOR (USE BOTH CONDUCTORS)

SUPPLY CABLE

CABLE WITH 4 x 2,5mm² CONDUCTORS (PHASE FOR "AUT", PHASE FOR "MAN", NEUTRAL AND EARTH)

THE CORRECT WIRE DIAMETER MUST BE CHOOSE IN REFERENCE TO THE LOCAL ELECTRIC RULES

THE CONNECTION TO POWER SWITCH "MAN-0-AUT" WILL BE DO THROUGH CLAMPS INCLUDES IN THE POWER SWITCH BOX

THE CONNECTION TO THE BUS INTERFACE UNIT WILL BE DO THROUGH A SPECIAL CONNECTOR. THE CONNECTOR WILL BE DELIVERED WITH THE BUS INTERFACE UNIT

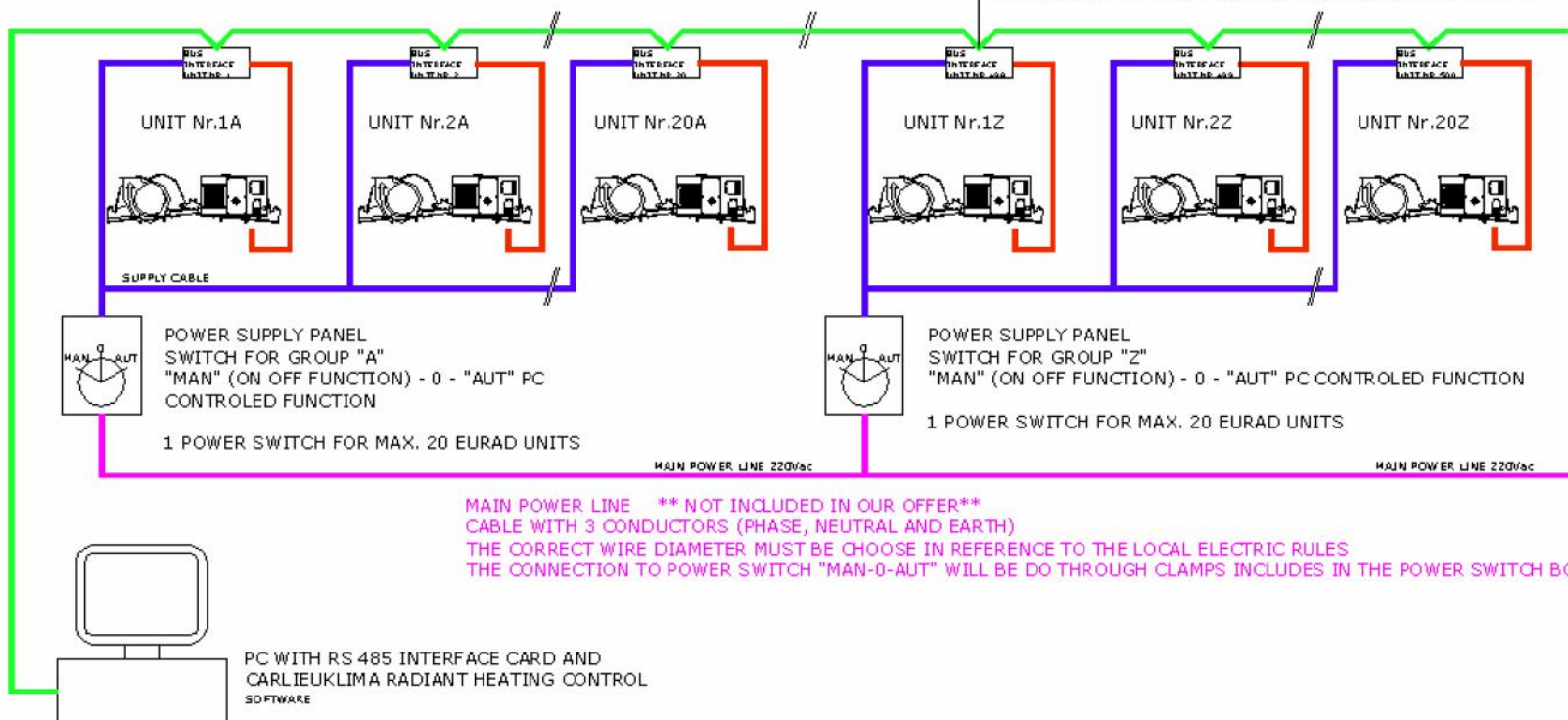
UNIT POWER LINE

THIS CABLE IS PART OF THE BUS INTERFACE UNIT

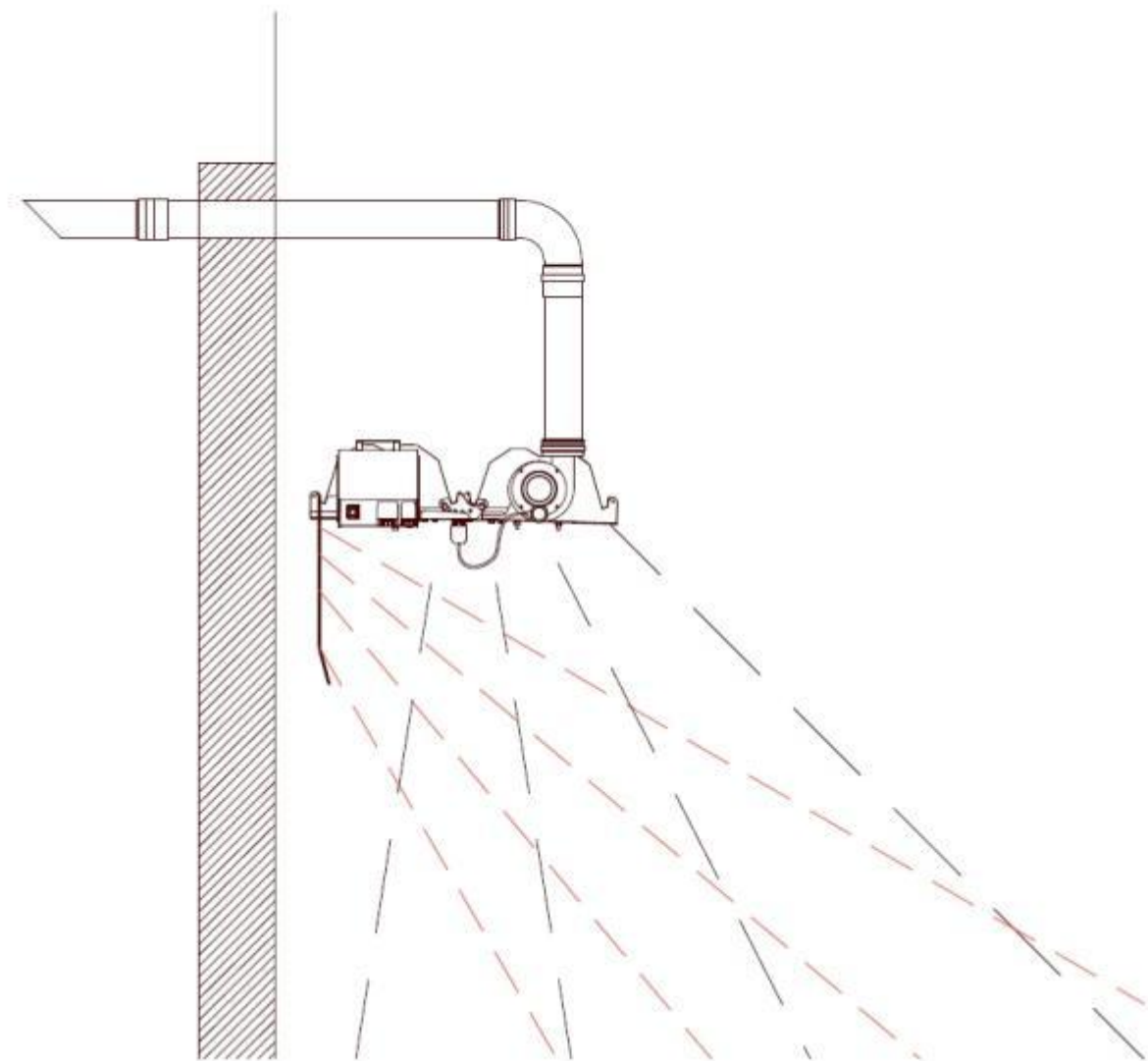
MAX. 500 BUS INTERFACE UNIT CAN BE CONNECTED.

ON EVERY BUS INTERFACE UNIT YOU CAN CONNECT AN INSIDE TEMP. SENSOR AND/OR OUTSIDE TEMP. SENSOR.

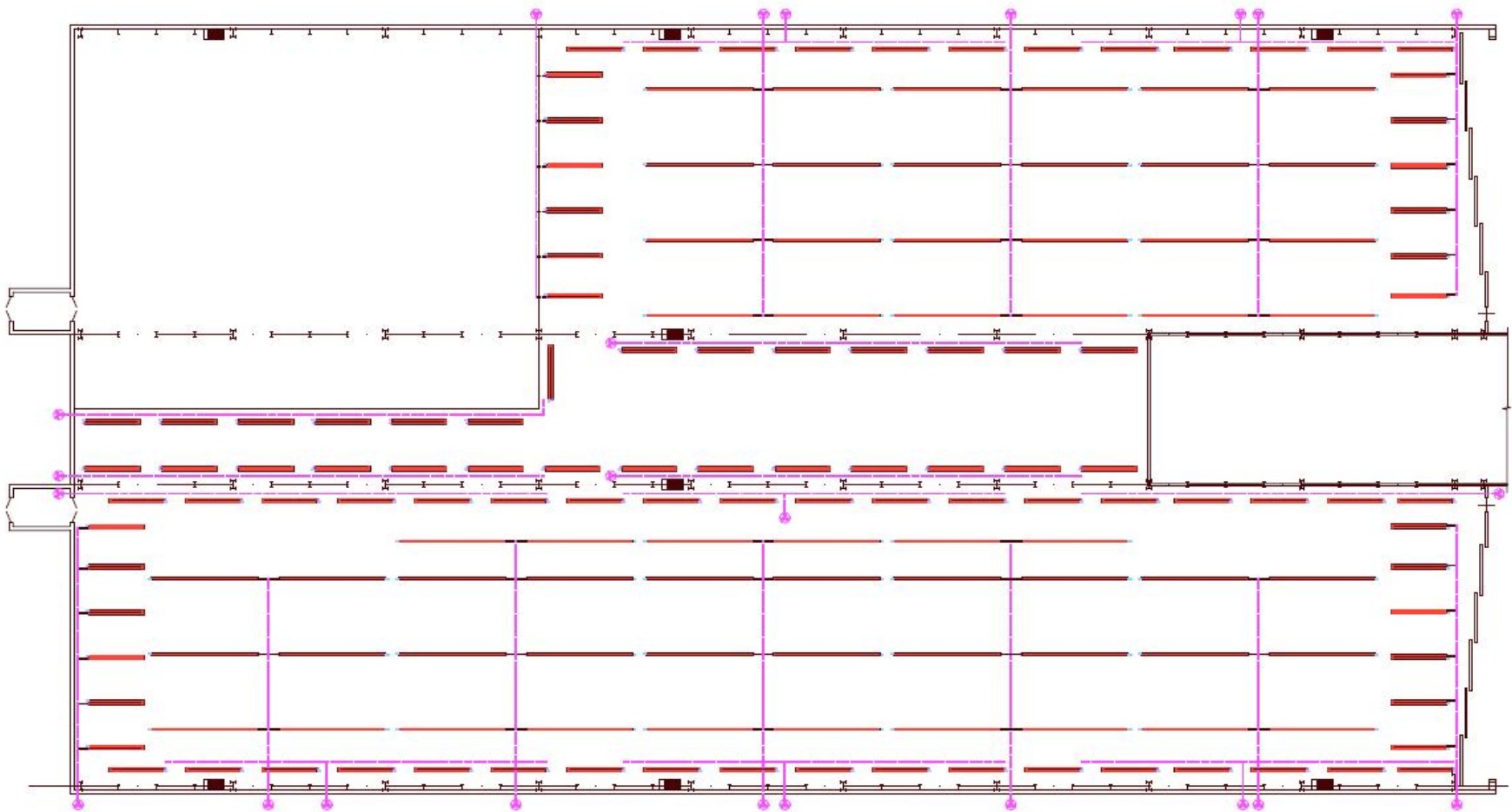
TO CONNECT THE TEMP. SENSOR USE A 3x1,5 mm² CABLE



PRIMER LATERALNOG REFLEKTORA



SISTEM SA ZIDNOM INSTALACIJOM



NEW HANGAR - RUSSIAN FEDERATION













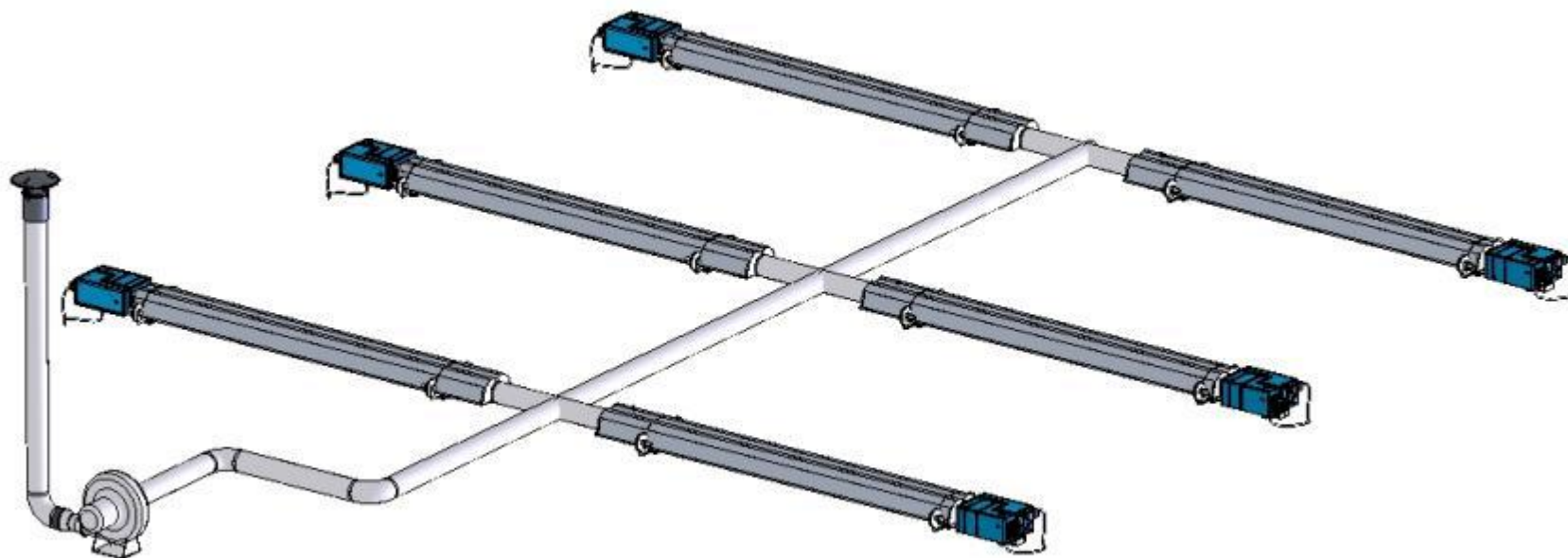




MULTIEURAD

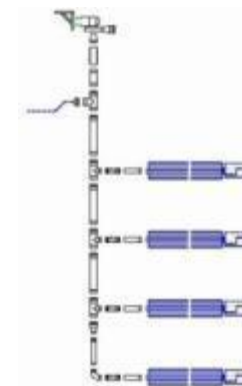
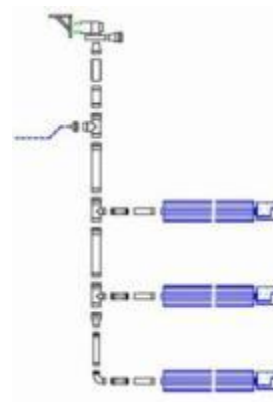
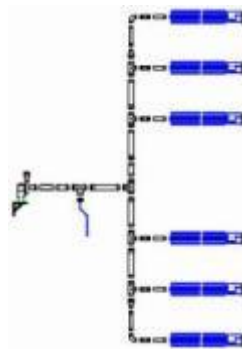
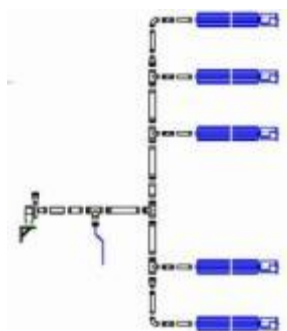
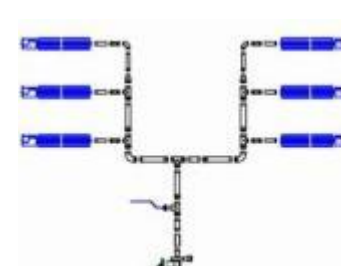
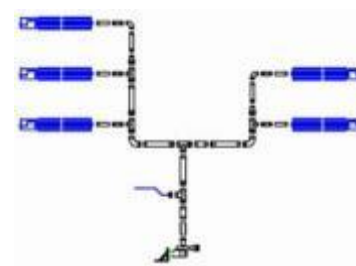
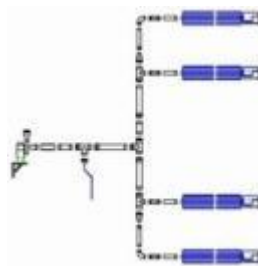
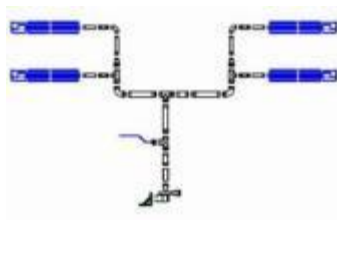
MULTIPLI RADIJANTNE CEVI ZA GREJANJE

MULTIGORIONICI SA JEDNOM GASNOM IZDUVNOM INSTALACIJOM



Snaga varira između 54 kW do max. 415 kW

NEKOLIKO MOGUĆIH KOMBINACIJA

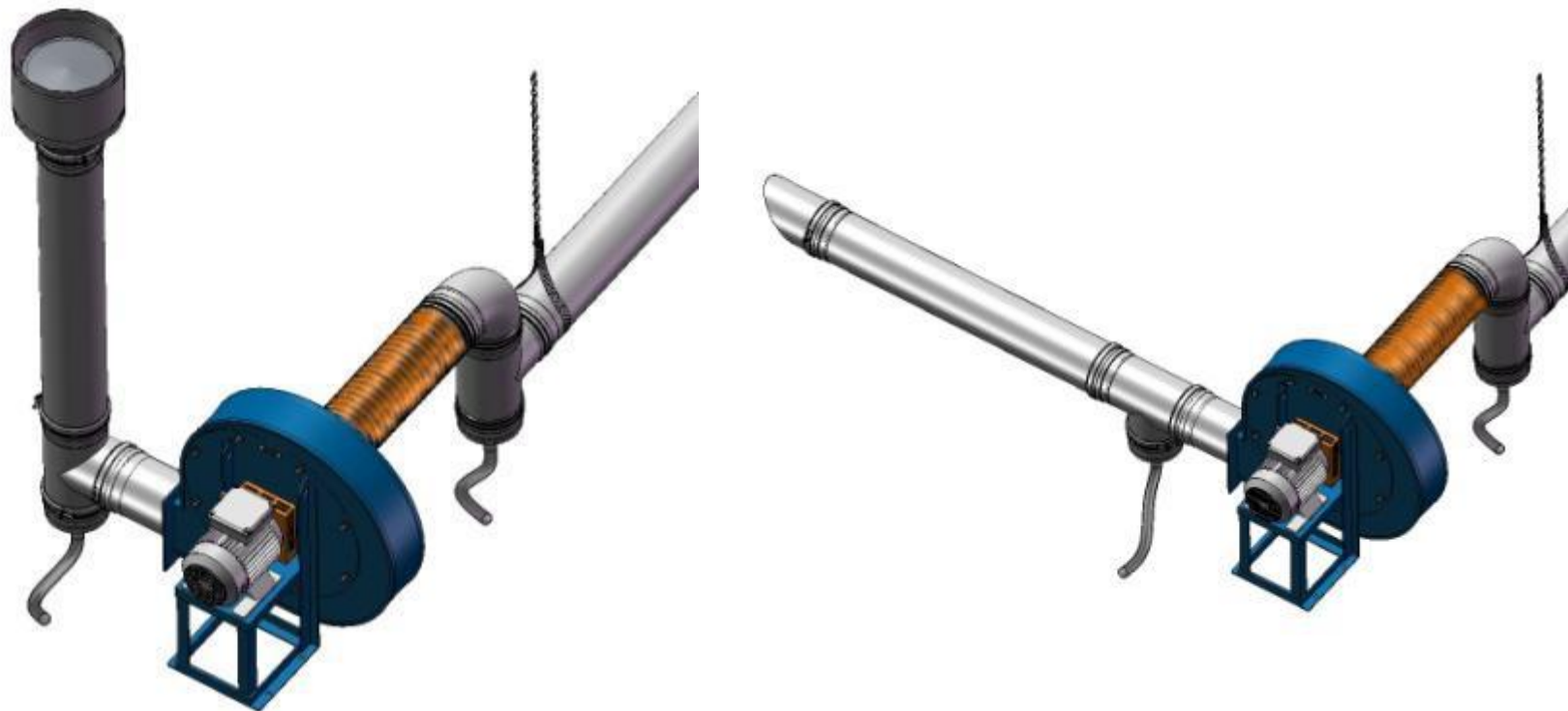


KOMPONENTE ZA KONEKCIJE GASNOG USISNOG SISTEMA

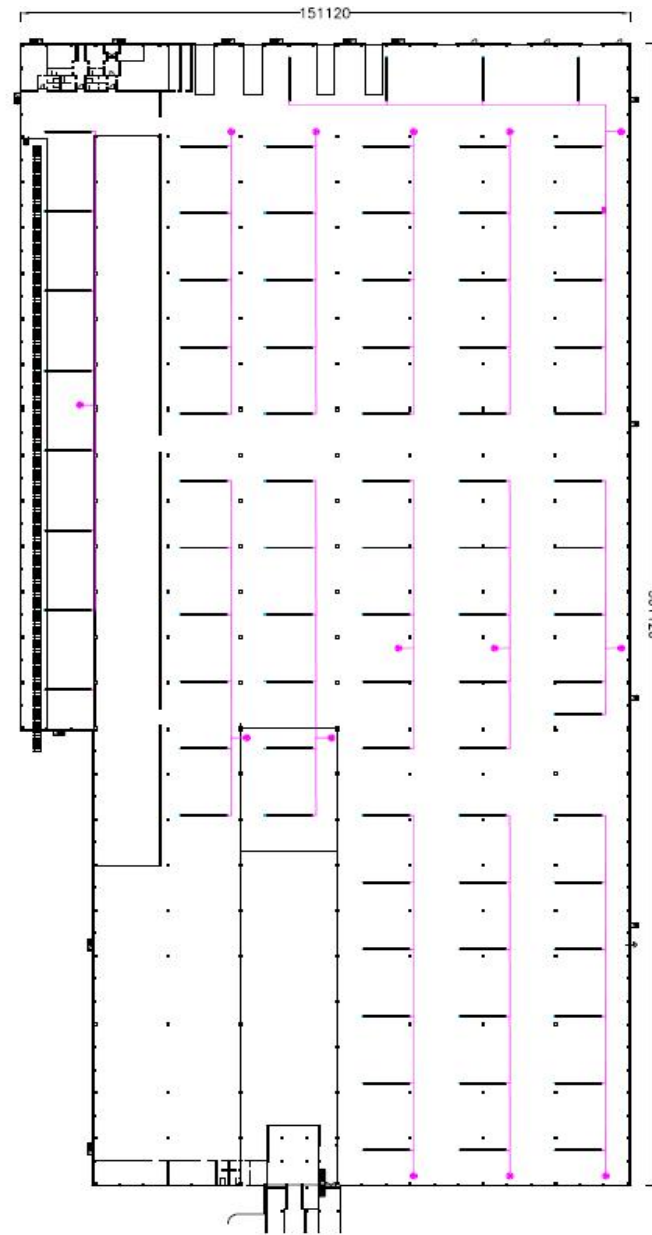
 FLEX TUBE D.P. D.100 AX	 ELBOW 90° D100 AL
 LINEAR PIPE D100 MF + AIR REGULATION L250	 ELBOW 90° D150 AL
 ADJUSTABLE CLOSING CLAMP D100	 SLEEVE D100 AL
	 SLEEVE D150 AL
 REDUCTION AL 100M/150F	 TEE CONNECTION AL 90° RED. D150M/100M
 ELBOW 45° D100 AL	 TEE CONNECTION AL 90° RED. D100M/150M
 ELBOW 45° D150 AL	 TEE CONNECTION AL 90° D150M

 CROSS CONNECTION AL RED. D150M/100M	 VIBRATION TUBE D150 SCEET-L8
 CROSS CONNECTION AL 4XD150M	 FAN REDUCTION ME150/230 AX (2,2 kW)
 SPIRAL PIPE AL D100 L3000	 FAN REDUCTION ME150/210 AX (1,1 kW)
 SPIRAL PIPE AL D150 L3000	 ADJUSTABLE CLOSING CLAMP D150
 CONDENSE DRAIN CAP D150 AX	
 SUPPORTING STRAP 25 ZN 1 strap= 0,75m Rolls length 100 m 1 roll= 132 straps	

MULTIEURAD VENTILATORI



CASPIAN FLAT GLASS - RUSSIAN FEDERATION



CASPIAN FLAT GLASS - RUSSIAN FEDERATION



SISTEM VEŠANJA - DETALJI



CERTIFIED QUALITY





Partner for progress

Numero / Number 12400 Sostituisce / Replaces -

Emesso / Issued 15/05/2006 Scopo / Scope Directive 90/396/CEE

Rapporto / Report : 163039 Pag. 1 di 2

Kiwa Gastec Italia certifica che
Kiwa Gastec Italia hereby declares that

i prodotti riportati nelle pagine seguenti, costruiti da
the products mentioned in the following pages, made by

CARLIEUKLIMA S.p.A.

di / in Fontanafredda (PN), Italia

soddisfano i requisiti riportati nella
meet the essential requirements as described in the
Direttiva Apparecchi a Gas (90/396/CEE)
Directive on appliances burning gaseous fuels (90/396/CEE)

Kiwa Gastec Italia Spa.

 Daniel Vangheluwe
 Vice Presidente

E' permessa la pubblicazione del certificato.
Publication of the certificate is allowed.

Notified Body

0694



Kiwa Gastec Italia Spa.
 Via Treviso, 32/34
 31020 San Vendemiano (TV)
 Tel. 0438 411755 Fax 0438 22428

GASTEC





Partner for progress

Numero / Number 12400 Sostituisce / Replaces -

Emesso / Issued 15/05/2006 Scopo / Scope Directive 90/396/CEE

Rapporto / Report : 163039 Pag. 2 di 2

Kiwa Gastec Italia certifica che i tubi radianti, tipi
Kiwa Gastec Italia hereby declares that the gas-fired overhead radiant tube heaters, types

Marchio / trade mark: **CARLIEUKLIMA**

Serie / series: **EURAD**

Modelli / models:

MSU 3 M	MSC 6 H	MSM 12 H
MSU 6 H	MSC 6 L	MSM 12 L
MSU 6 L	MSC 9 H	MSM 18 H
MSU 9 H	MSC 9 L	MSM 18 L
MSU 9 L	MSC 12 M	

costruiti da /
 made by **CARLIEUKLIMA S.p.A**
 di / in Fontanafredda (PN), Italia

NIP / PIN : 0694BL3039
 Rapporto / report : 163039

Tipi di apparecchi / appliance type :
 B₂₂ (MSU 9 L, MSU 9 H, MSC 9 H, MSM 18 L, MSM 18 H)
 B₂₂, C₁₂, C₂₂, C₂₄ (MSU 3 M, MSU 6 L, MSU 6 H, MSC 6 L, MSC 6 H, MSC 9 L, MSC 12 M, MSM 12 L, MSM 12 H)

I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

AT II _{2018,9}	BE I ₁	BG II _{2018,9} , II ₂₀₁₉
CH II _{2018,9}	CY I _{18,9} , I ₁₈	CZ II _{2018,9} , II ₂₀₁₉
DE II _{2018,9}	DK II _{2018,9}	EE II _{2018,9} , II ₂₀₁₉
ES II ₂₀₁₉	FI II _{2018,9}	FR I ₁
GB II ₂₀₁₉	GR II _{2018,9}	HU II _{2018,9}
IE II ₂₀₁₉	SK II _{2018,9}	IT II _{2018,9}
LT II _{2018,9} , II ₂₀₁₉	LU II _{2018,9} , II ₂₀₁₉	LV I ₁
MT I _{18,9} , I ₁₈	NL I ₂₀₁₉	NO II _{2018,9}
PL II _{2018,9} , II ₂₀₁₉	PT I _{18,9}	RO II _{2018,9}
SE II _{2018,9}	SI II _{2018,9} , II ₂₀₁₉	TR II _{2018,9}

Notified Body

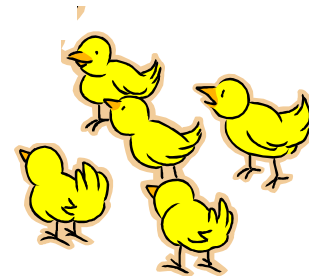
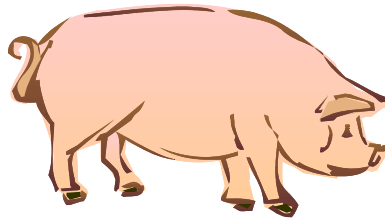
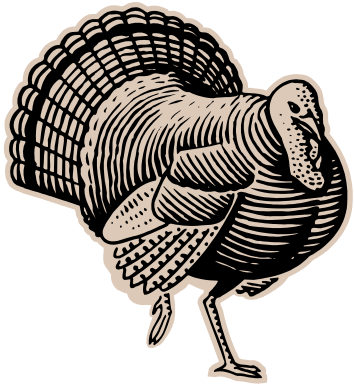
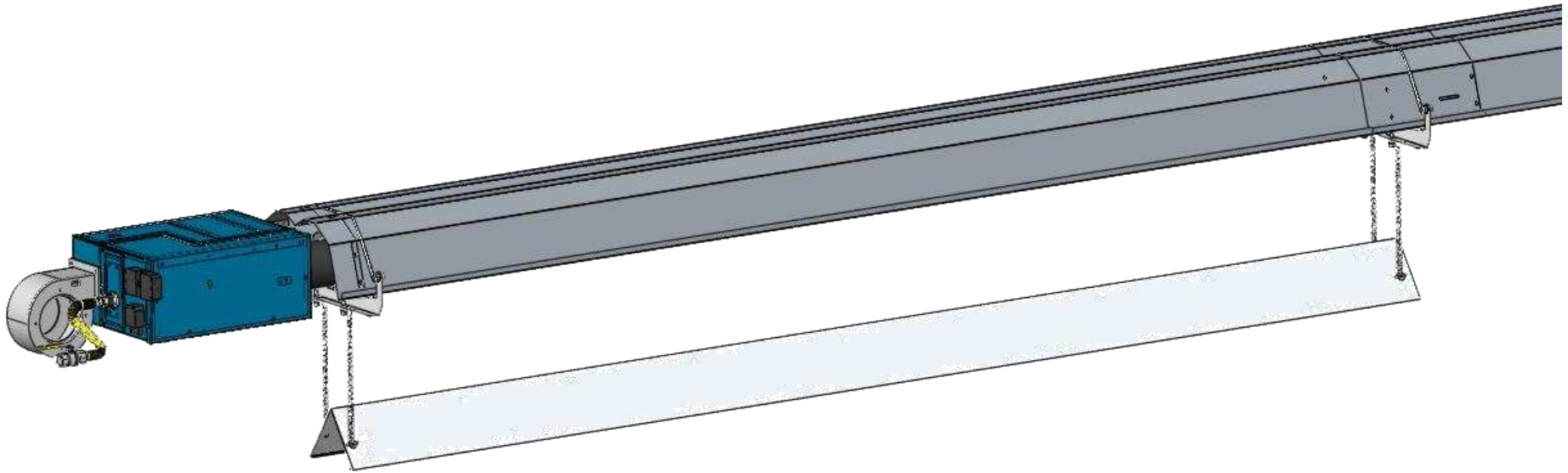
0694



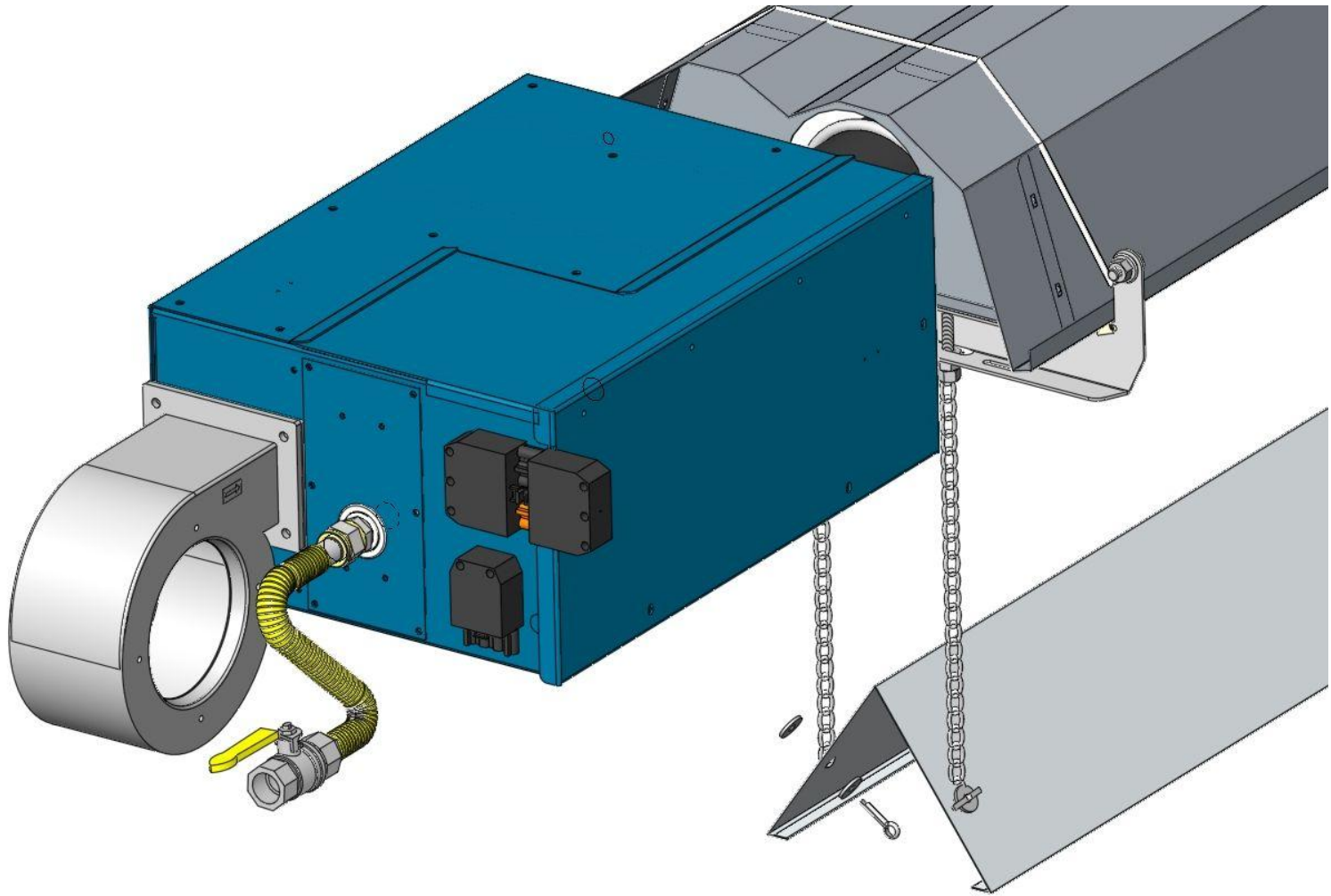
Kiwa Gastec Italia Spa.
 Via Treviso, 32/34
 31020 San Vendemiano (TV)
 Tel. 0438 411755 Fax 0438 22428

GASTEC

EURAD AGRI



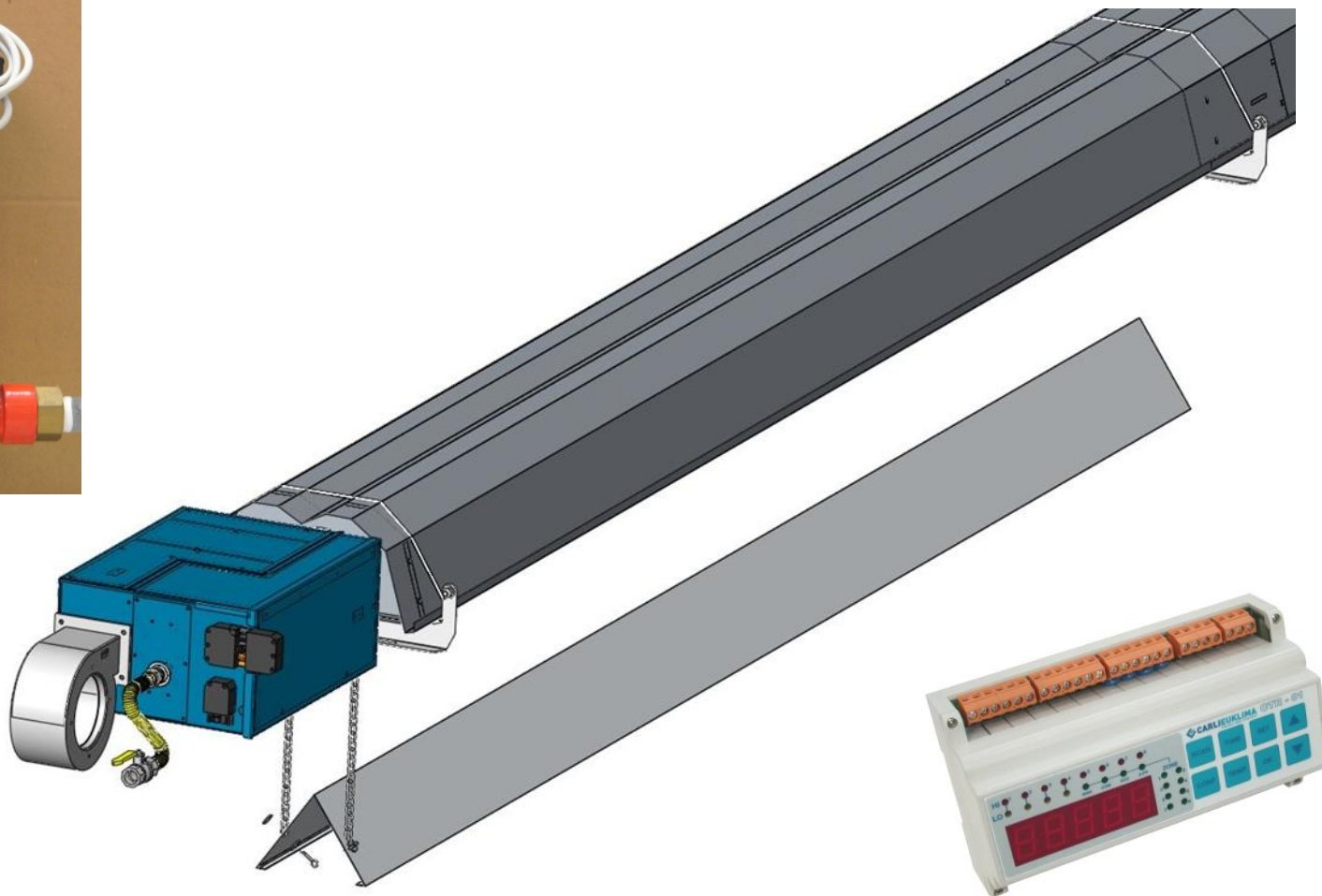
GORIONIK EURAD AGRI



EURAD AGRI



DETALJI "AGRI" JEDINICE

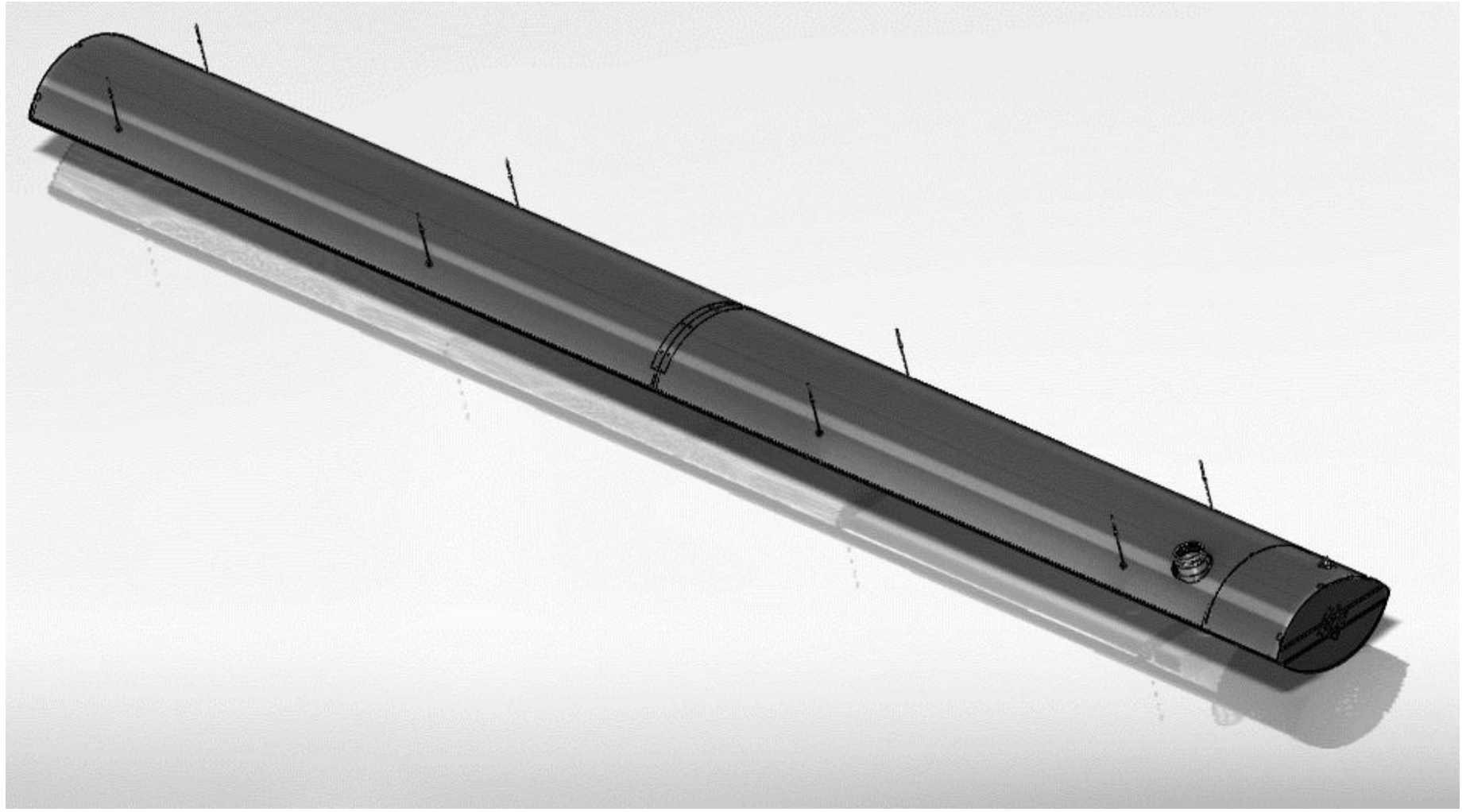


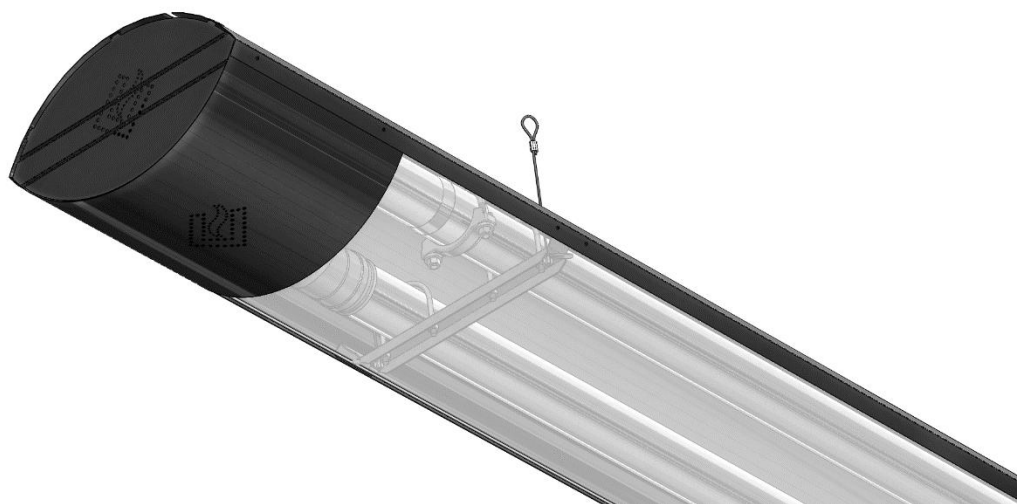
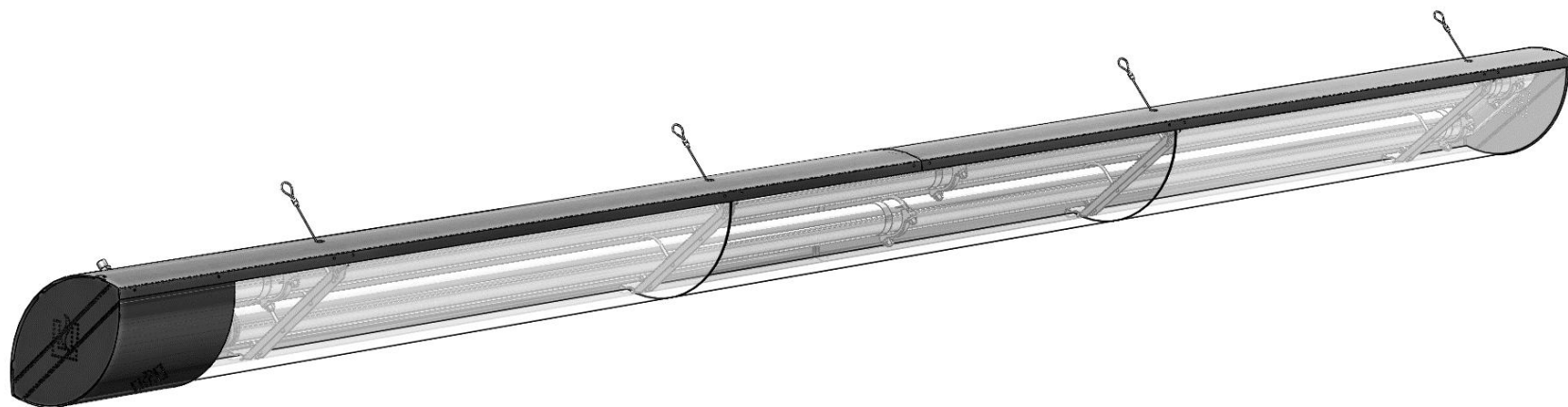
EURAD SPACE

RADIJANTNE CEVI ZA GREJANJE

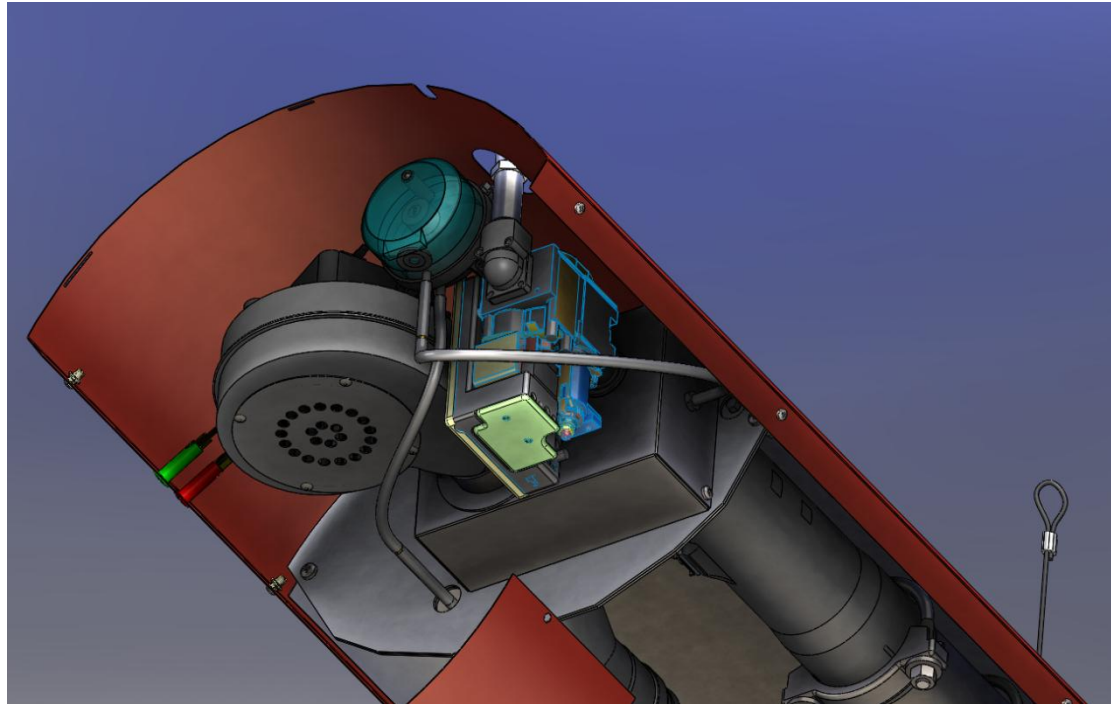
GAMMA DI PRODOTTI RANGE OF PRODUCTS

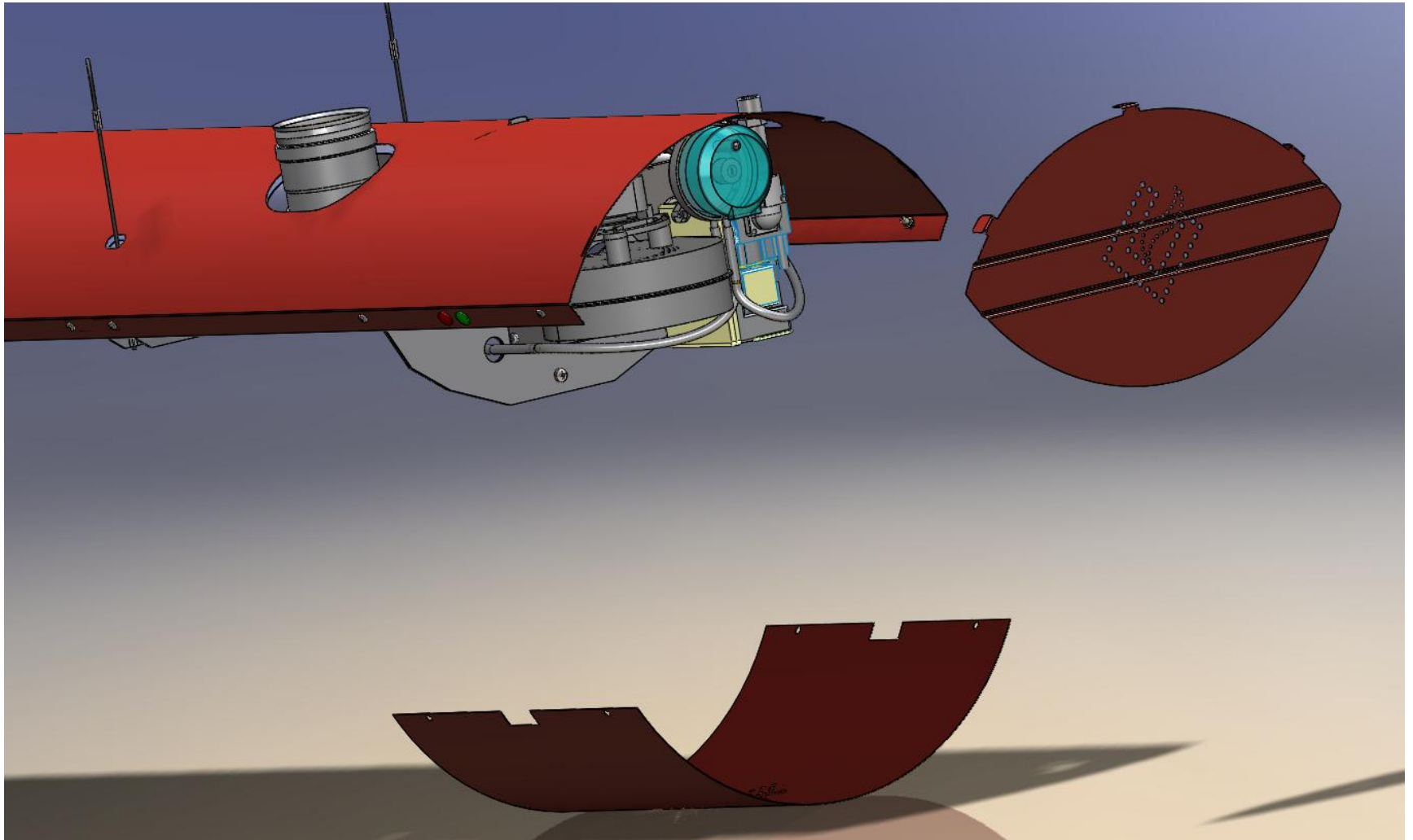
	modello model	EURAD SPACE 5.0
lunghezza length	m	5
portata termica H _s H _s heat input	kW	18,9
consumo consumption	NG G20 m³/h	1,8
	LPG G30 kg/h	1,35
	LPG G31 kg/h	1,31
pressione rete gas inlet pressure	NG G20 mbar	20
	LPG G30 mbar	28-30
	LPG G31 mbar	37
lunghezza length	m	5,4
larghezza width	m	0,4
altezza height	m	0,25
peso weight	kg	75
ø tubi radianti ø radiant tubes	mm	80













EUCERAMIC

RADIJANTNI DIFUZORI

EUCERAMIC IZBOR



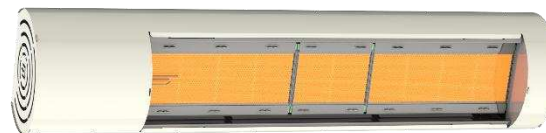
INDUSTRY-ECO



INDUSTRY-HE



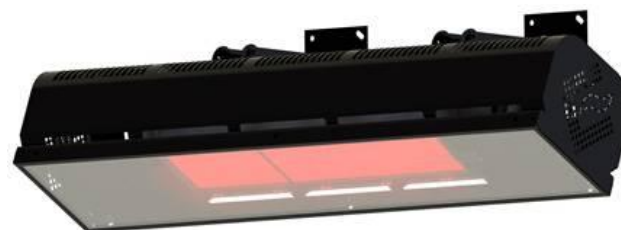
ARENA



CULTO



RIALTO



MURANO

Izbor je komponovan iz različitih modela snage od 8 do 54.2 kW

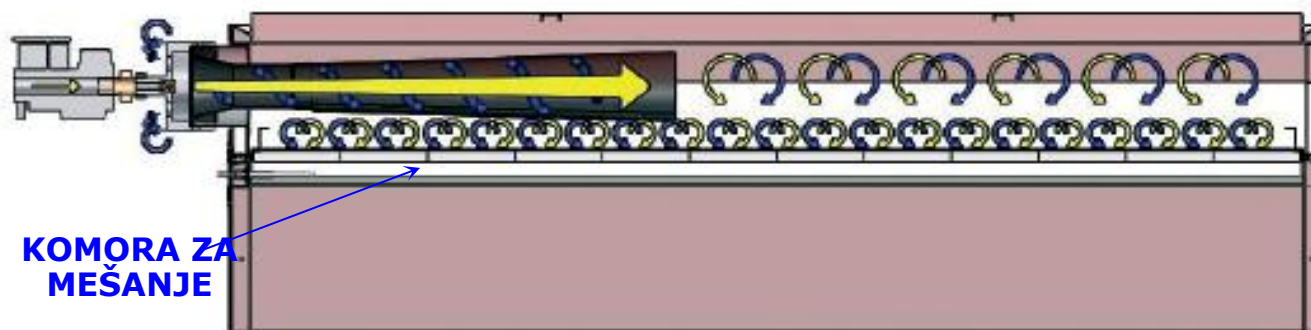
EUCERAMIC MODELI

Model		INDUSTRY HE and ECO								
Type		7/4	10/6	18/10	22/12	29/16	44 12+12	58 16+16	M 7/4	M 10/6
N° of plates		4	6	10	12	16	24	32	4	6
Thermal output H _s	kW	8,1	12,1	19,0	22,7	30,1	45,4	60,2	8,1	12,1
Thermal output H _i	kW	7,3	10,9	17,1	20,4	27,1	40,5	54,2	7,3	10,9

Model		CULTO and RIALTO				
Type		7/4	10/6	18/10	22/12	29/16
N° of plates		4	6	10	12	16
Thermal output H _s	kW	8,1	12,1	19,0	22,7	30,1
Thermal output H _i	kW	7,3	10,9	17,1	20,4	27,1

Model		ARENA			
Type		22/12	29/16	44 12+12	58 16+16
N° of plates		12	16	24	32
Thermal output H _s	kW	22,7	30,1	45,4	60,2
Thermal output H _i	kW	20,4	27,1	40,5	54,2

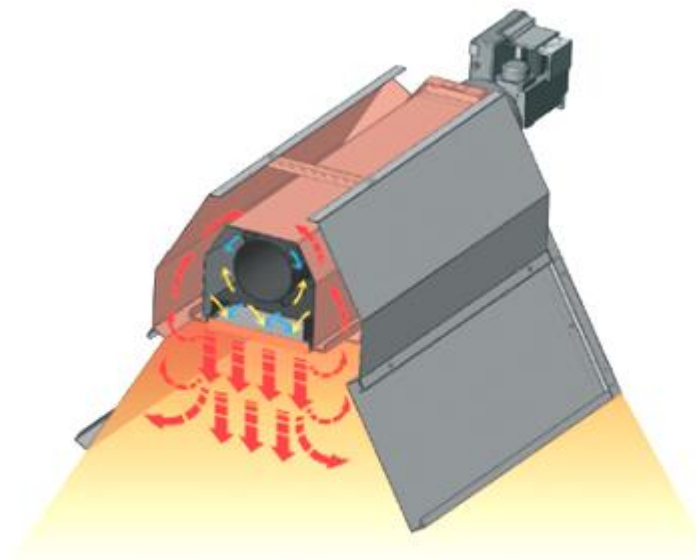
DEFLEKTOR ZA KONVEKCIJU DIMOVA – INDUSTRIJSKI HE MODELS



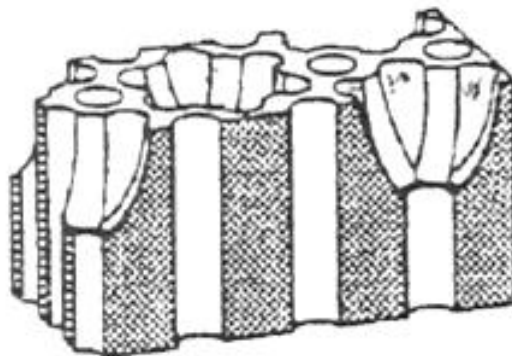
Deflektori koji se koriste za oporavak dima dozvoljavaju :

- Zagrevanje komore za mešanje
- Povećavanje turbulencije vazduha u komori za mešanje

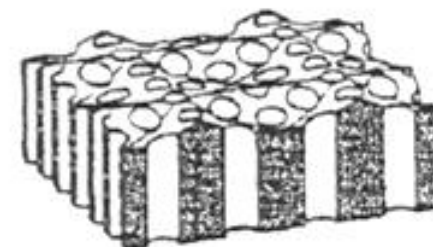
Ovo omogućava ravnomernu distribuciju smeše vazduha-gasa na površini keramičke ploče (olakšava mikro perforiranom mrežom) optimizujući proces sagorevanja.



MATERIJALI KORIŠTENI ZA PROIZVODNJU EUCERAMIC



saće površinski profil



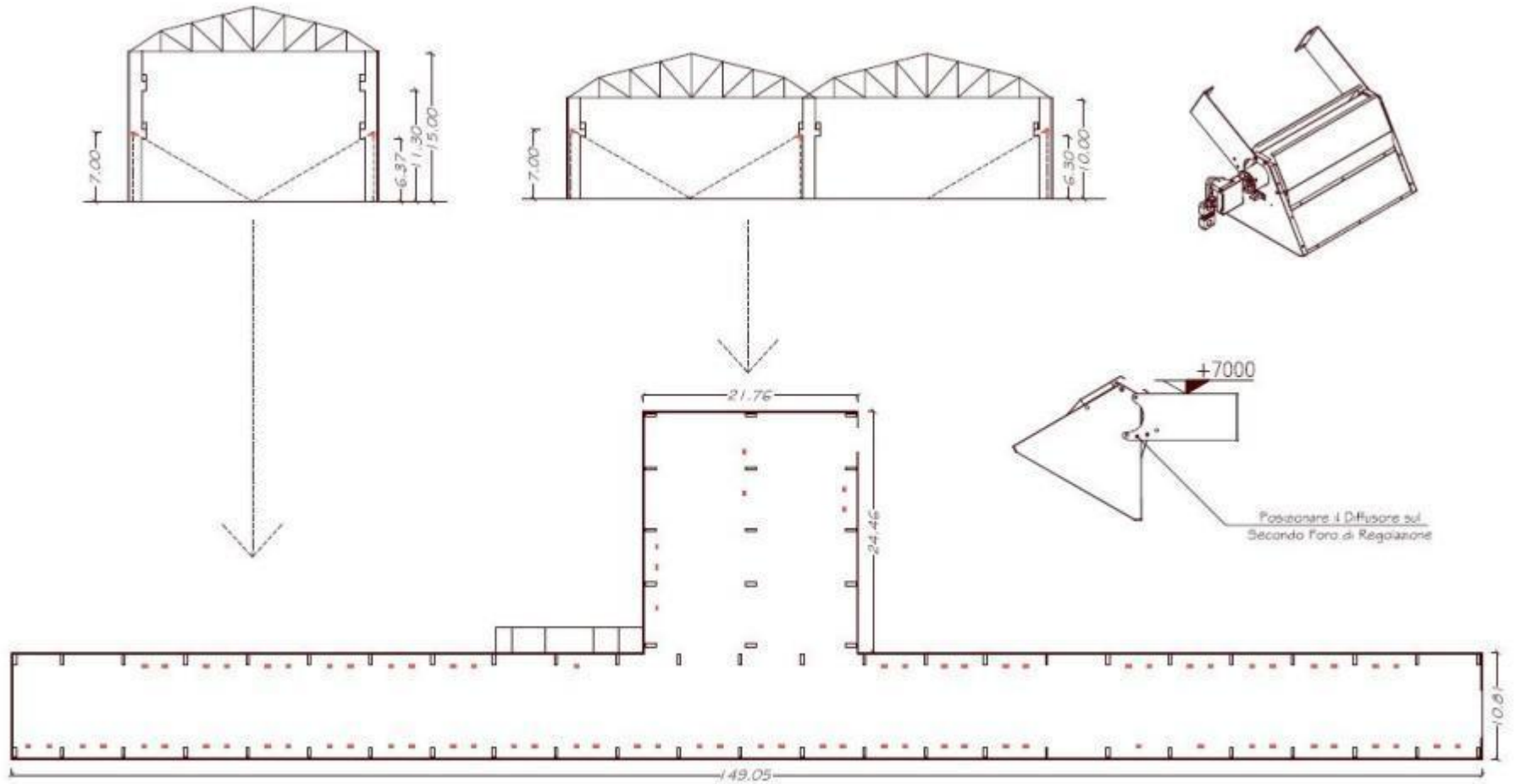
Profilirani površinski profil

Mikro-bušena keramička ploča, napravljena od CORDIERITA, bele ruže ili žuto-braon boje, sa otvorima 0,95 - 1,5 mm, maksimalne temperature na površini 1200 ° C. Površina može biti „SAĆE” ili „PROFILIRANA”.

PREDNOSTI EUCERAMIC UREĐAJA SA TRADICIONALNIM SISTEMOM GREJANJA

1. Veći komfor sa nižim temperaturom vazduha
2. Nedostatak termičkog gradijenta - manje disperzija
3. Mala termička inercija
4. Nema kretanja vazduha i nema suspendovanih čestica prašine
5. Tihi rad
6. Ne preporučuje se za opasan ambijent (sa zapaljivim materijalima)
7. Mogućnost zagrevanja lokalno (po zonama)
8. Ušteda u gorivu
9. Briga za ambijent i ekologiju

THYSSENKRUPP TERNI













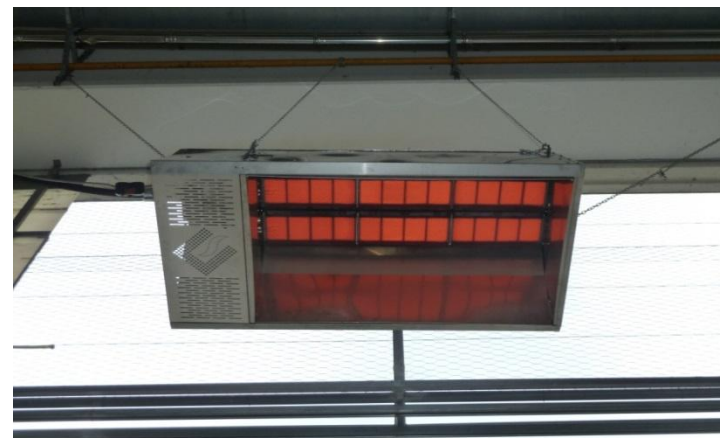
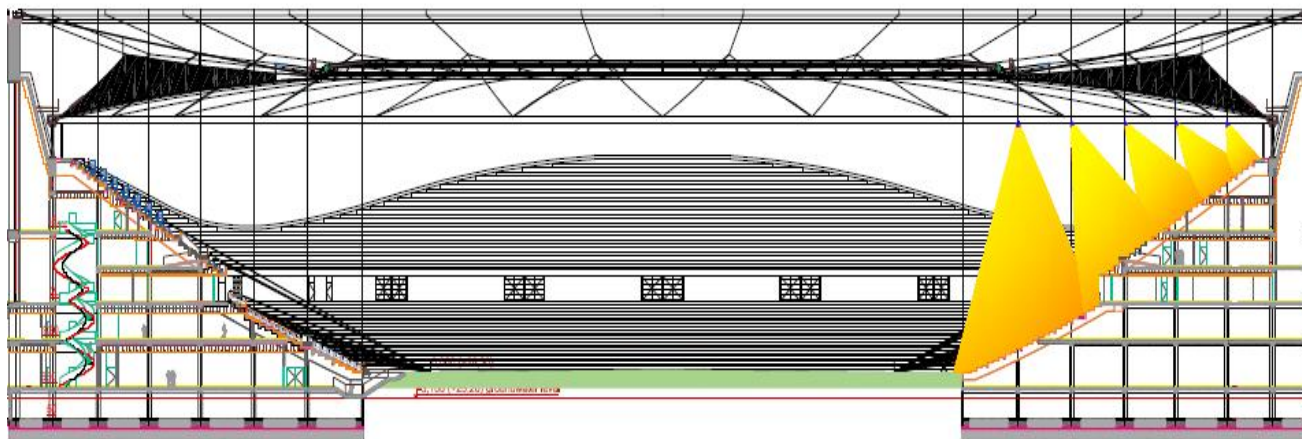








Sistem grejanja za stadijone











CERTIFIED QUALITY



Numero / Number KIP-086554/G Sostituisce / Replaces 15/05/2006
 Emesso / Issued 12/12/2014 Scopo / Scope Directive 2009/142/EC
 Rapporto / Report 300947
 PIN 0694BR0947

CERTIFICATO DI ESAME CE DI TIPO EC TYPE EXAMINATION CERTIFICATE

Kiwa dichiara che i prodotti
 Kiwa hereby declares that the products

apparecchi di riscaldamento a gas sopraelevati a irraggiamento luminoso, per uso non domestico, tipi
 non-domestic gas-fired overhead luminous radiant heaters, types

Marchio / trade mark: **CARLIEUKLIMA**
 Serie / series: **EUCERAMIC**
 Modelli / models:

IND HE 7/4	IND ECO 7/4	CU 7/4	RIALTO 7/4
IND HE 10/6	IND ECO 10/6	CU 10/6	RIALTO 10/6
IND HE 14/8	IND ECO 14/8	CU 14/8	RIALTO 14/8
IND HE 18/10	IND ECO 18/10	CU 18/10	RIALTO 18/10
IND HE 22/12	IND ECO 22/12	CU 22/12	RIALTO 22/12
IND HE 28/16	IND ECO 28/16	CU 28/16	RIALTO 28/16
IND HE 44/12+12	IND ECO 44/12+12		ARENA 22/12
IND HE 58/16+16	IND ECO 58/16+16		ARENA 28/16
IND HE M 7/4	IND ECO M 7/4		ARENA 44/12+12
IND HE M 10/6	IND ECO M 10/6		ARENA 58/16+16

costruiti da / **CARLIEUKLIMA S.p.A**
 made by Fontanafredda (PN), Italia

soddisfano i requisiti riportati nella
 meets the essential requirements as described in the
 Direttiva Apparecchi a Gas 2009/142/CE
 Directive on appliances burning gaseous fuels 2009/142/EC

I suddetti prodotti sono stati approvati per
 Mentioned products have been approved for:
 Tipi di apparecchi / appliance type : A₁

Paesi e categorie apparecchi / Countries and appliance categories
 AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT,
 LT, LU, LV, MK, MT, NO, NL, PL, PT, RO, SE, SI, SK, TR

1 _{2H}	G20	20 mbar	
1 _{2H}	G20	25 mbar	(HU only)
1 _{2S}	G20	20 mbar	
1 ₃₊	G30/G31	28-30/37 mbar	
1 ₃₊	G31	37 mbar	
1 ₃₊	G31	50 mbar	
1 ₃₊	G30	30 mbar	
1 ₃₊	G30	50 mbar	
1 _{3SP}	G30	30 mbar	
1 _{3SP}	G30	37 mbar	(PL only)
1 _{3SP}	G30	50 mbar	

Le famiglie di gas e gruppi di gas sopra indicati possono essere combinati per ottenere le categorie secondo la norma EN437:2009.
 The above gas families and gas groups can be combined to obtain categories according to the standard EN437:2009.

Kiwa Italia S.p.a.
 Sede Legale:
 Via C. Goldoni, 1
 20129 Milano
 Sede Amministrativa e operativa:
 Via Treviso, 32/34
 31020 San Vendemiano (TV)
 www.kiwa.it

Kiwa

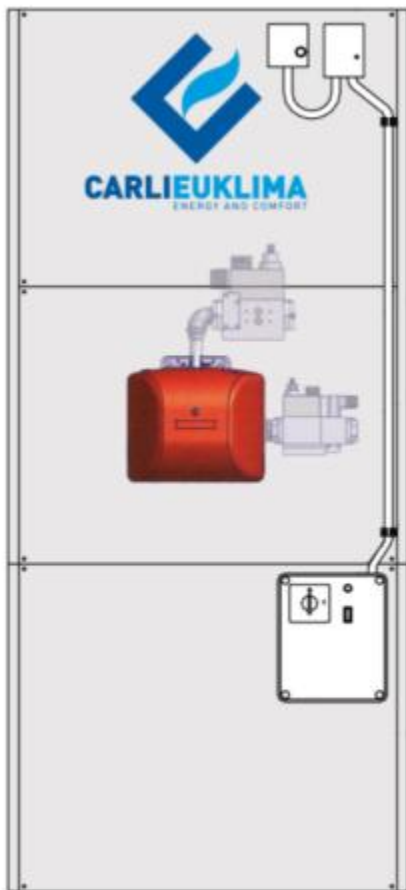
 Mariella Pozzoli
 President



EUGEN

Generatori toplog vazduha

EUGEN IZBOR



Izbor EUGEN S je komponovan sa razliĉitim modelima snage od 24.20 – 125.62 kW
Izbor EUGEN B je komponovan sa razliĉitim modelima snage od 34.00 – 1160.00 kW

KARAKTERISTIKE

- Autonomna jedinica za grejanje industrijskih i komercijalnih prostorija.
- Toplotna razmena se vrši tako što se dozvoljava protok vazduha koji stvara jedan ili više ventilatora bez pomoćne tečnosti za posredovanje, prelazeći spoljašnju površinu komore za sagorevanje.
- Bezbedni, modularni i lako se mogu montirati, generatori toplog vazduha EUGEN "S" rade sa prirodnim gasom ili TNG i obično se ugrađuju u prostorije za zagrevanje.
- Generatori toplog vazduha EUGEN "B" rade sa prirodnim gasom, naftnim gasom ili uljima, sa ugradnjom direktno u prostorije za grejanje ili spolja, sa specijalnim verzijama pogodnim za rad sa temperaturama do -55°C .
- Njihova modularna koncepcija, delimično, omogućava instalaciju po zonama i savršeno je pogodna za bilo koji tip zapremine za zagrevanje.
- Upotreba generatora toplog vazduha EUGEN omogućava, uprkos starim i tradicionalnim sistemima grejanja, dobru uštedu energije, što smanjuje na minimum toplotnu inerciju i eliminiše rizik od leda.

PREDNOSTI UREĐAJA EUGEN

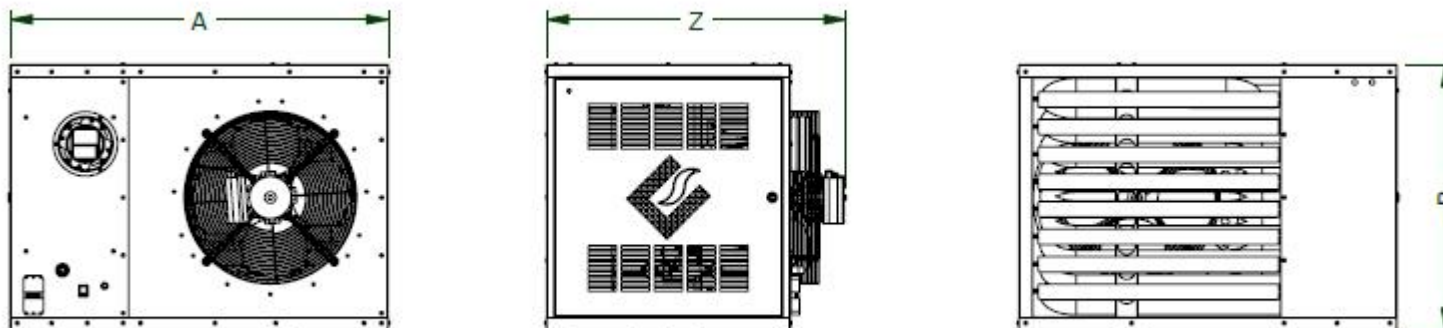
- ORIJENTACIJA:
 - Širok spektar modela omogućava orijentaciju protoka vazduha u određena područja.
- IZDRŽLJIVOST: Zahvaljujući upotrebi visokokvalitetnog materijala.
- IZBOR SNAGE : • Ulazi za toplinu, protok vazduha, statički pritisak i mogućnost hladnog / toplog rada za bilo koju vrstu hitnosti.
- BRZINA: • Direktna zamena grejanja i zbog toga niska toplotna inercija.
- VERSATILNOST : • Fleksibilnost instalacije: suspendovan za "S" modele u horizontalnom i u vertikalnom za "B" modele. Modeli imaju mogućnost ugradnje kako unutar tako i izvan zgrade, te da se zato mogu kanalizirati.
- ŠTEDNJA: • Ušteda goriva zahvaljujući visokoj toplotnoj efikasnosti.
- POŠTOVANJE ŽIVOTNE SREDINE: • Gorionici sa niskim emisijama NOx.

EUGEN S

MODELS		S20	S30	S40	S50	S60	S115
Thermal power H _s *	kW	24.20	33.00	45.10	53.90	67.43	125.62
Thermal power H _i *	kW	22.00	30.00	41.00	49.00	61.30	114.20
Air flow (axial fan)	m ³ /h	2450	3050	4300	4500	5800	11300
Air flow (centrifugal fan)	m ³ /h	3400	3600	3950	4100	7200	10800
Air intake connection diameter	mm	130	150	150	150	150	150
Exhaust connection diameter	mm	80	100	100	100	100	100
Exchanger piping diameter	mm	38	38	45	45	45	45
Exchanger pipes number	No.	5	7	7	9	11	2 x 9
Electrical absorbed power (axial fan)	W	250	260	610	610	740	1600
Electrical absorbed power (centrifugal fan)	W	615	615	625	625	1140	1665
Electrical supply 220V - 1Ph - 50Hz							

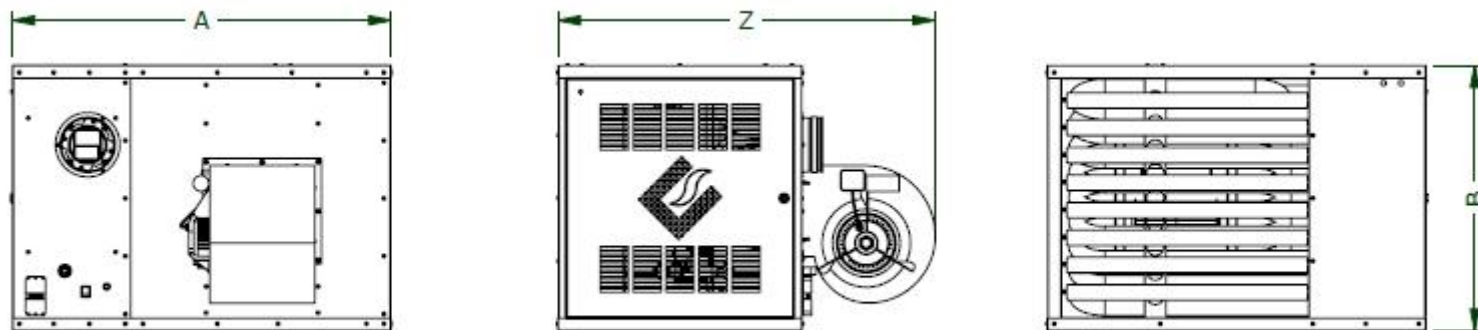
*H_s and H_i according to EN 437

DIMENZIJE EUGEN S - A



MODEL	mm		
	A	Z	B
S 20 - A	782	737	460
S 30 - A	781	760	591
S 40 - A	1095	864	628
S 50 - A	1095	862	767
S 60 - A	1095	862	907
S 115 - A	1095	862	907

DIMENZIJE EUGEN S - C



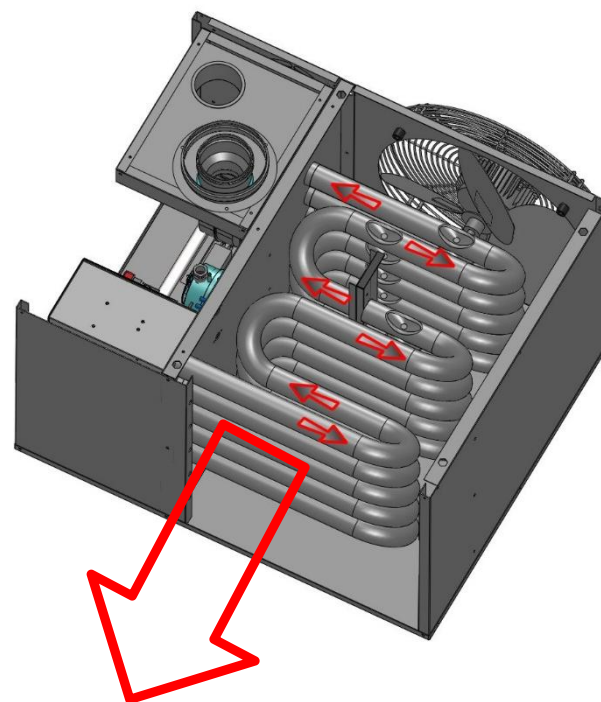
MODEL	mm		
	A	Z	B
S 20 - C	781	1036	530
S 30 - C	781	1035	585
S 40 - C	1095	1124	628
S 50 - C	1095	1124	767
S 60 - C	1095	1124	979
S 115 - C	1095	1124	1447

This exploded view diagram illustrates the assembly of a mechanical device. The components are arranged in a hierarchical manner, showing their relative positions and assembly sequence. Key parts include:

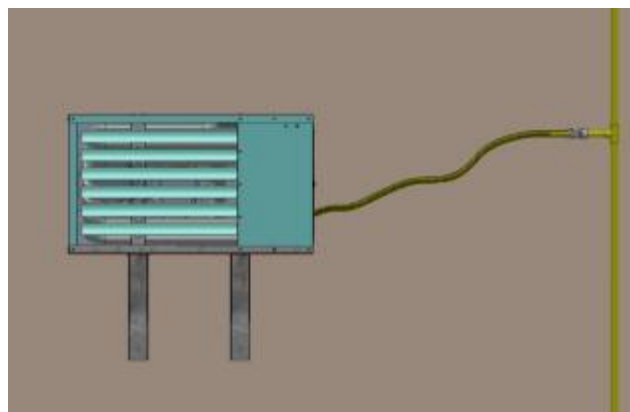
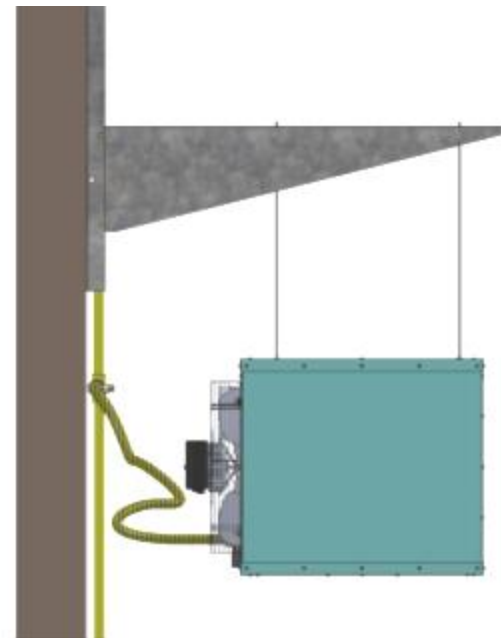
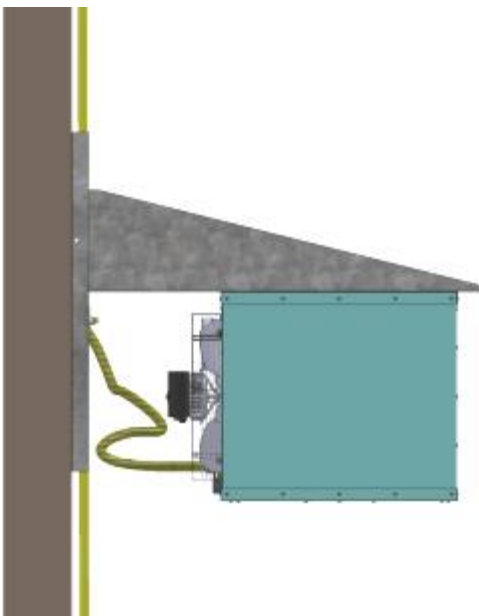
- Top Section:** A large black rectangular plate (1) at the top left, followed by a series of curved metal tubes (2) and a green rectangular plate (3).
- Central Section:** A yellow rectangular plate (4) with a central hole, a black rectangular plate (5) with a central hole, and a black rectangular plate (6) with a central hole.
- Bottom Section:** A blue rectangular plate (7) with a central hole, a black rectangular plate (8) with a central hole, and a black rectangular plate (9) with a central hole.
- Right Section:** A black rectangular plate (10) with a central hole, a black rectangular plate (11) with a central hole, and a black rectangular plate (12) with a central hole.
- Assembly Details:** Various small components like screws, washers, and spacers are shown in their respective assembly positions, indicated by dashed lines.

IZENJIVAČI TOPLOTE

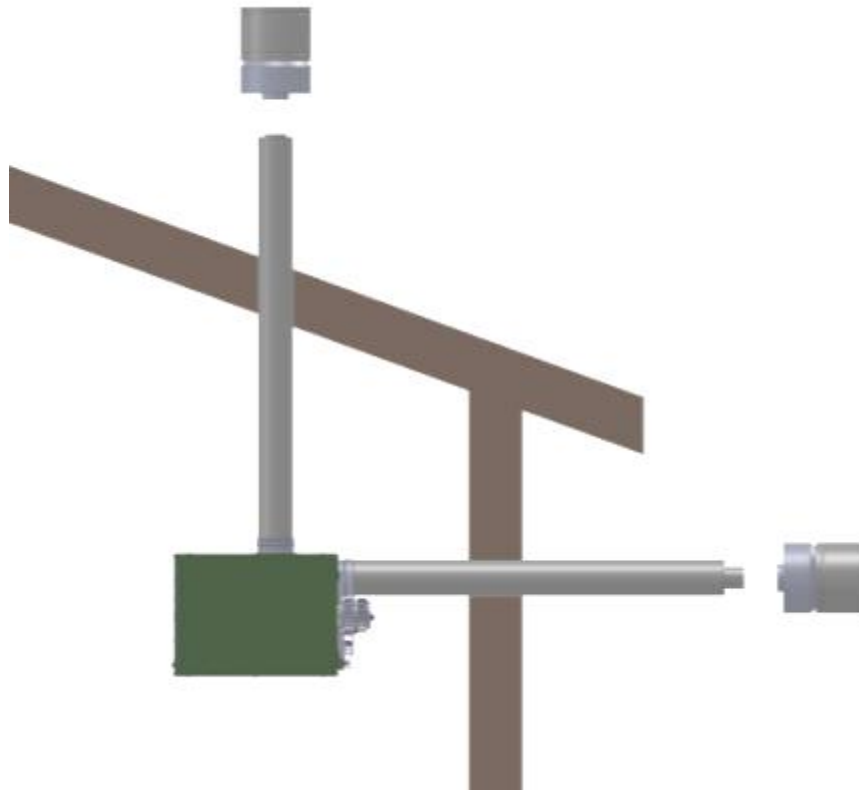
Školjka i cevi IZMENJIVAČA TOPLOTE prečnika 38 mm i debljine 1.5 mm, sa četiri ciklusa gasova , u alumiziranom čeliku , specijalno oblikovanim da povećaju snagu izmenjivača toplote



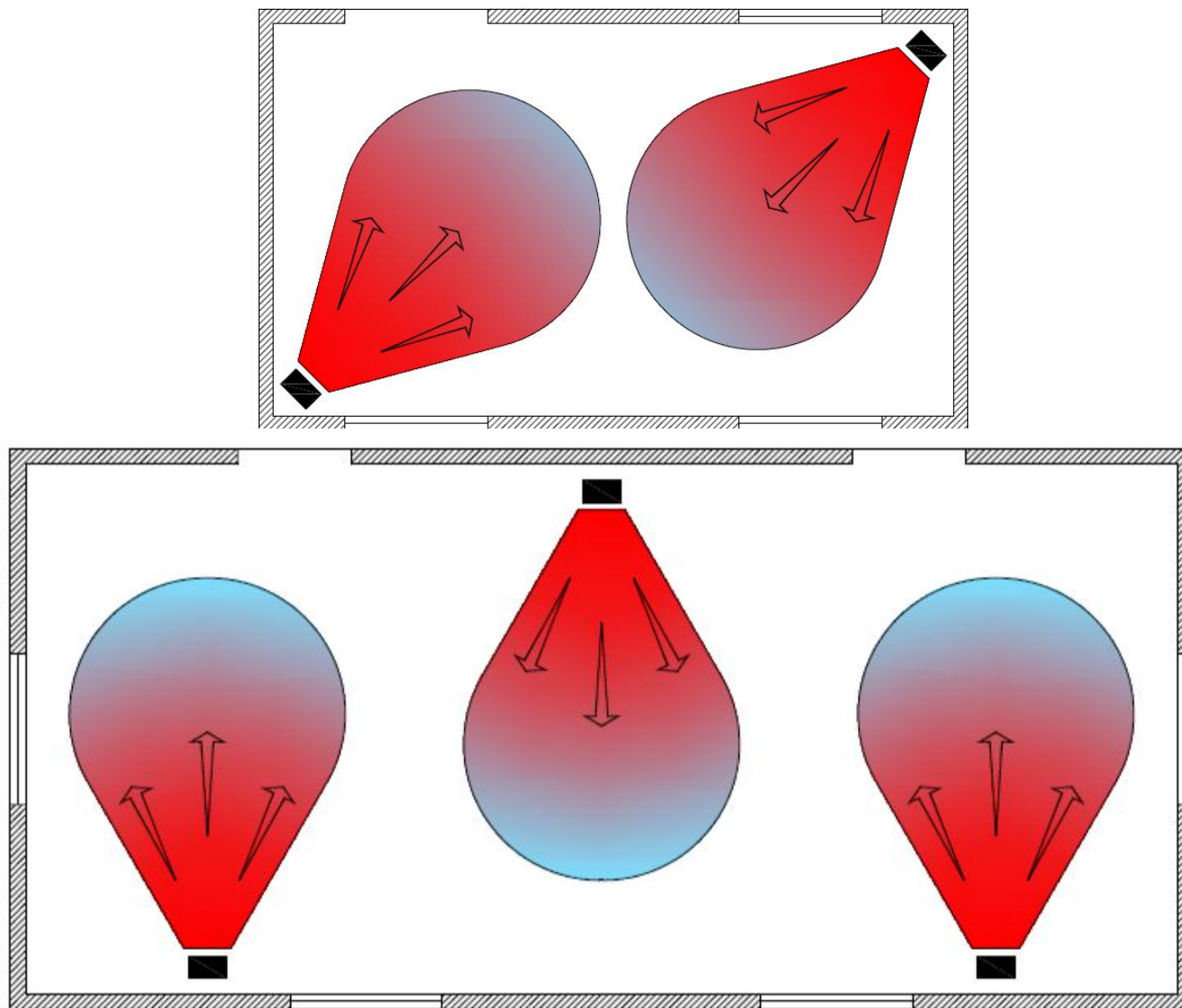
EUGEN S - MONTAŽA

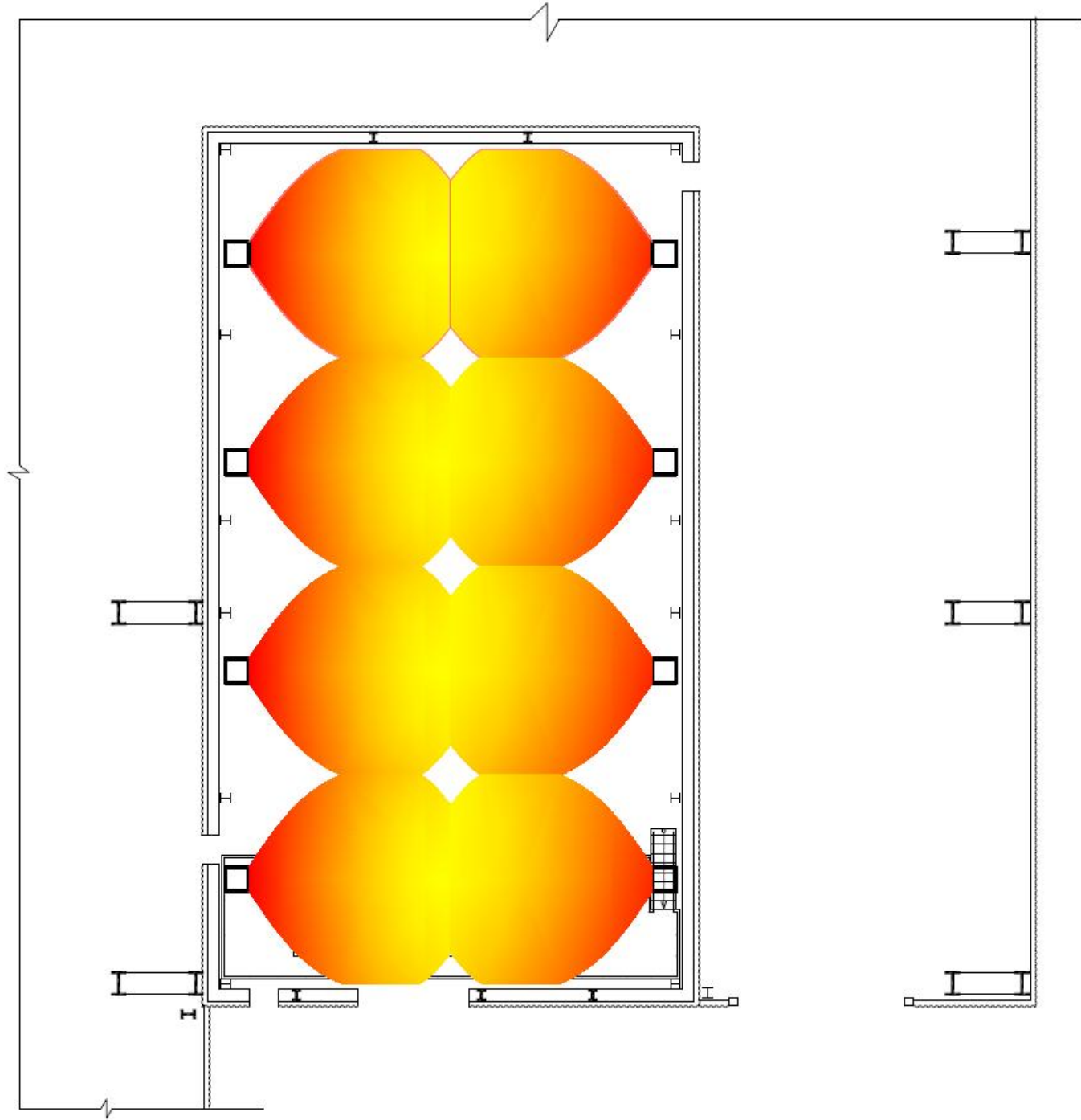


PRIMER IZDUVA GASOVA-DOTOKA VAZDUHA ZA EUGEN S



PRIMER DISTRIBUCIJE GRAJANJA ZA EUGEN S

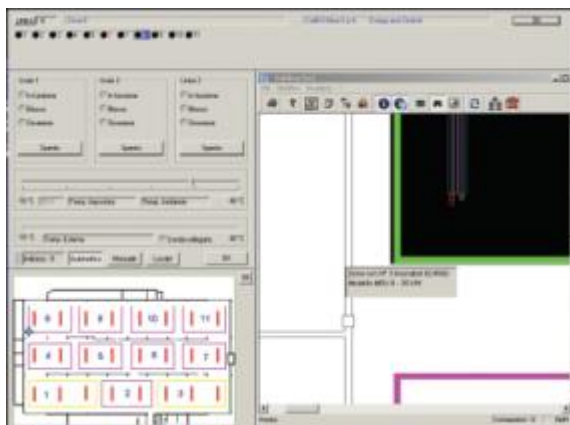




JEDINICA KONTROLE SISTEMA

Kontrola sistema EUGEN S može biti sa :

PC VERZIJOM



**MANUELNA
KONTROLA**



TERMOSTAT



CTR-01 / EU 1

CTR-01 / EU 2









CERTIFIED QUALITY

kiwa

Partner for progress



Numero / Number KIP-064963/02 Sostituisce / Replaces KIP-064963/01

Emesso / Issued 24/01/2013 Scopo / Scope Directive 2009/142/EC

Rapporto / Report 110301335

NIP / PIN 0694CM3478

CERTIFICATO DI ESAME CE DI TIPO EC TYPE EXAMINATION CERTIFICATE

Kiwa dichiara che i prodotti
Kiwa hereby declares that the products

generatori d'aria calda, tipo
air heaters, type

Marchio / Trade mark: **CARLIEUKLIMA**

Modelli / models: EUGEN S20 EUGEN S50
EUGEN S30 EUGEN S60
EUGEN S40 EUGEN S115

costruiti da /

made by

di / in

CARLIEUKLIMA S.p.a.

Fontanafredda (PN), Italia

soddisfano i requisiti riportati nella
meets the essential requirements as described in the
Direttiva Apparecchi a Gas 2009/142/CE
Directive on appliances burning gaseous fuels 2009/142/EC

I suddetti prodotti sono stati approvati per
Mentioned products have been approved for

Tipi di apparecchi / appliance type B22, C12, C32, C42

Paesi e categorie apparecchi / Countries and appliance categories

AL	Il2008P	AT	Il2008P	BE	Il2008P, Il2008P
BG	Il2008P	CH	Il2008P	CY	Il2008P
CZ	Il2008P	DE	Il2008P	DK	Il2008P
EE	Il2008P	ES	Il2008P	FI	Il2008P
FR	Il2008P	GB	Il2008P	GR	Il2008P
HR	Il2008P	HU	Il2008P	IE	Il2008P
IS	Il2008P	IT	Il2008P, Il2008P	LT	Il2008P
LU	Il2008P	LV	Il2008P	MK	Il2008P
MT	Il2008P	NL	Il2008P	NO	Il2008P
PL	Il2008P	PT	Il2008P	RO	Il2008P
SE	Il2008P	SI	Il2008P	SK	Il2008P
TR	Il2008P				

Kiwa

Ing. Emanuele Ferrari
Director Product Certification

kiwa
Approved

EC Directive
EC
TYPE
EXAMINATION
2009/142/EC
G A S T E C

CE
0694

Kiwa Italia S.p.a.

Sede Legale:
Via Mameli, 20/22, 20129 Milano

Sede Amministrativa e operativa:
Via Treviso, 32/34
31020 San Vendemiano (TV)

www.kiwa.com

G A S T E C

EUGEN HT

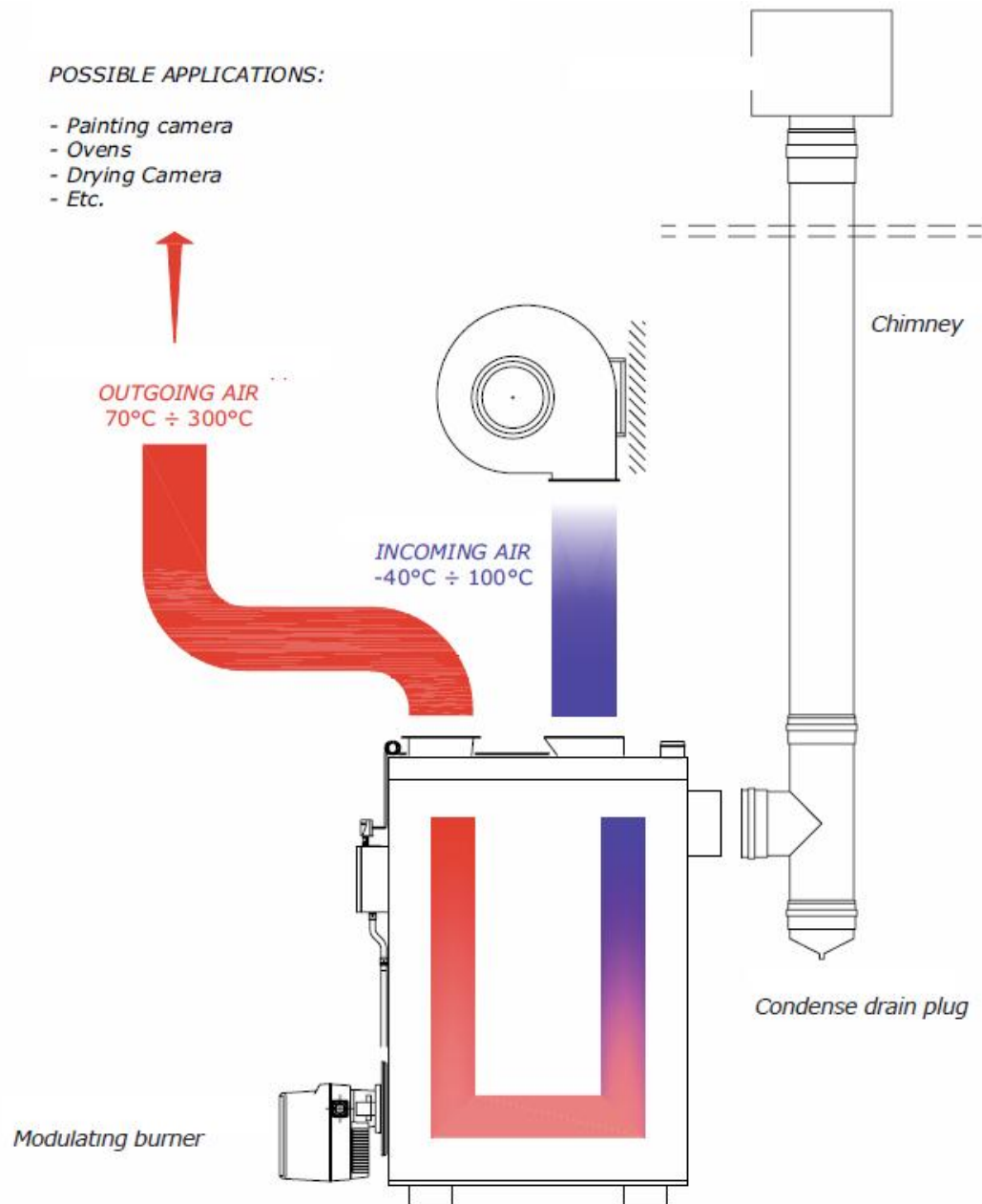
GENERATORI TOPLOG VAZDUHA VELIKE SNAGE

EUGEN HT: GENERATORI TOPLOG VAZDUHA VELIKE SNAGE



POSSIBLE APPLICATIONS:

- *Painting camera*
- *Ovens*
- *Drying Camera*
- *Etc.*



ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ - FUNCTIONAL DATA

Модель	Тепловая мощность*	Входное давление	Воздушный поток	Макс. потребление*		Масса	Размеры			Эл. подключение	Рабочая эл. мощность	Рабочая температура
Model	Heat input*	Gas inlet pressure	Air flow	Max. consumption*		Weight	Dimensions			Power supply	Operating power absorption	Operating temperature
	min-max (кВт-kW)	(мбар-mbar)	(м³/ч-m³/h)	G20 (м³/ч-m³/h)	LPG (кг/ч-kg/h)	(кг-kg)	(мм-mm)			(В/Гц-V/Hz)	(ВА-VA)	(°C)
50 HT	12,50 - 50,00	20-300	500 ÷ 1500	4,75	3,52	490	2070	970	2200	115/50-60 230/50-60	170	100 ÷ 300
100 HT	25,00 - 110,00	20-300	1000 ÷ 2500	9,50	7,04	490	2070	970	2200	115/50-60 230/50-60	170	100 ÷ 300
140 HT	35,00 - 180,00	20-300	2000 ÷ 3500	15,20	11,27	560	2070	970	2200	115/50-60 230/50-60	290	100 ÷ 300
190 HT	35,00 - 200,00	20-300	3000 ÷ 4500	19,03	14,08	630	2070	970	2200	115/50-60 230/50-60	290	100 ÷ 300
240 HT	60,00 - 350,00	20-300	4000 ÷ 6000	20,90	15,49	650	2070	970	2200	115/50-60 230/50-60	550	100 ÷ 300

Технические данные могут быть изменены по усмотрению компании
Technical data can change depending on product development

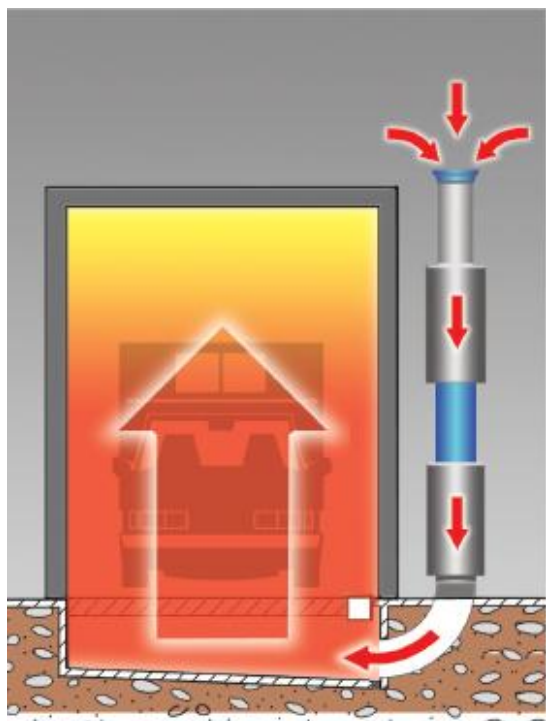
*В соответствии с EN 437 / *Hs according to EN 437

EUWIND

VAZDUŠNE BARIJERE



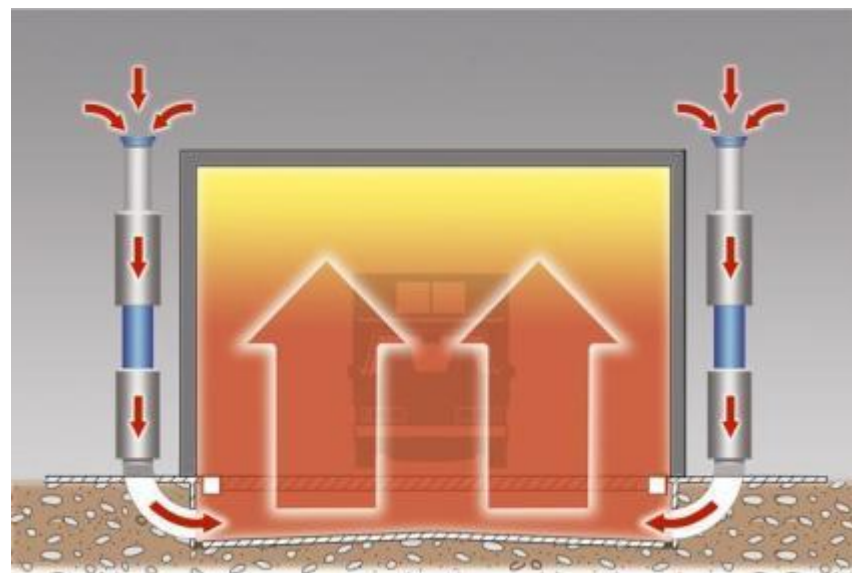
Vrata za hale sa širinom od 3 do 10 m i više
Visina od 3 do 5 m
Snaga od min. 4 do mak. 30 kW



Jedna toranj sa jednim ili dva motora
Mak. Širina vrata 6 m

Dvostruki toranj sa dva ili četiri motora

Za širinu vrata od 5-6 m do i preko 10 m



PREDNOSTI EUWIND.a

1. Sprečava prodor hladnog vazduha u prostoriju koji dolazi spolja
2. Omogućava održavanje ujednačene unutrašnje temperature prostora
3. Zaštita od promene temperature vazduha u blizini vrata
4. Bez problema sa ledom (ne sadrži vodu)
5. Blokada izduvnog dima napravljenog od kamiona koji se nalazi u blizini vrata (istovar i preuzimanje)
6. Ušteda energije
7. Briga za okolinu i ekologiju

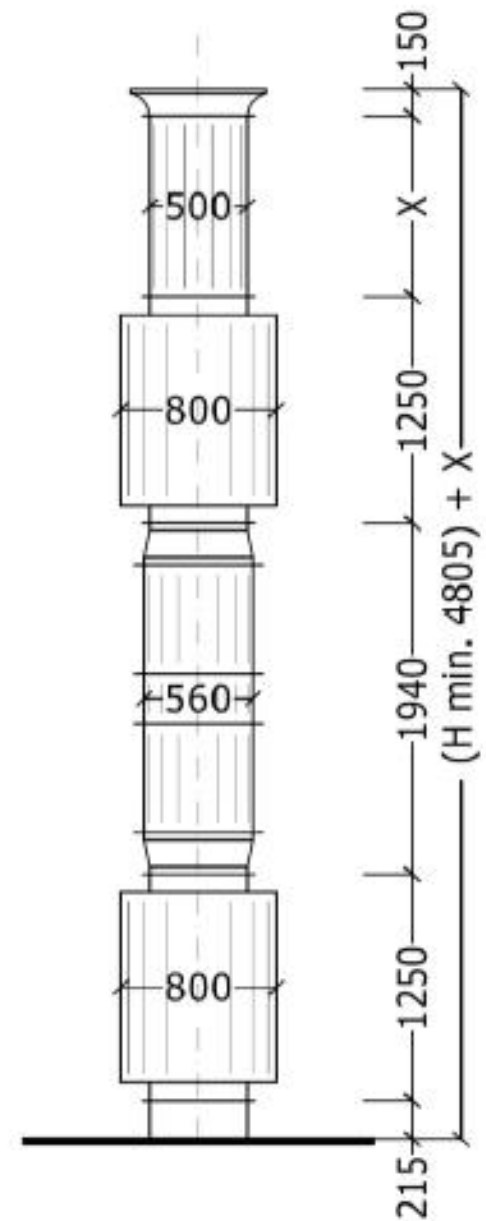
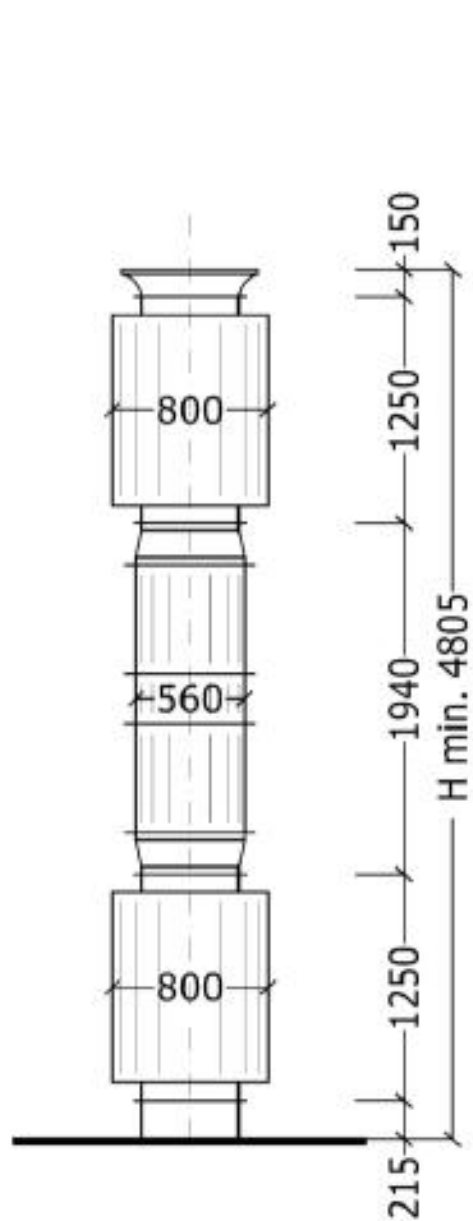
MODELI

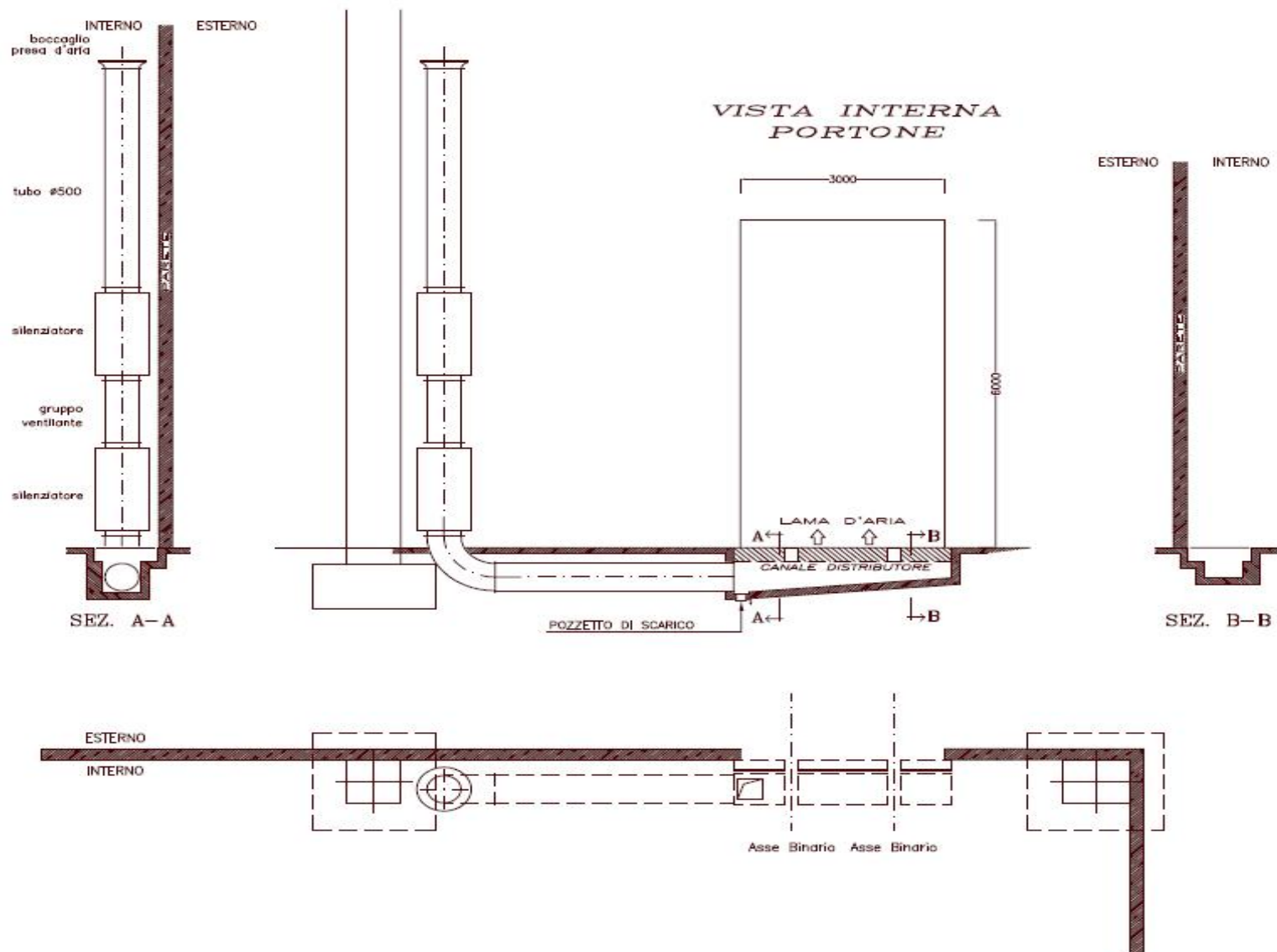
			WBKA1240	WBKA1255	WBKA1275	WBKA1292	WBKA2255	WBKA2275	WBKA2292
Dimezije vrata		m	0,00÷3,00	3,00÷4,00	4,00÷5,00	5,00÷6,00	6,00÷8,00	8,00÷10,00	10,00÷12,00
Max. Visina vrata		m	5	5	5	5	5	5	5
br° ventilacionih tornjeva		br°	1	1	1	1	2	2	2
br° ventilatora		br°	2	2	2	2	4	4	4
Električna potrošnja		KW	8	11	15	18,4	22	30	36,8
Protok vazduha (max)**		m³/h	13.600	16.300	20.200	22.700	32.600	40.400	45.400
Dimenzije ventilacionih tornjeva	h	Mm	1250	1250	1250	1250	1250	1250	1250
	Ø	Mm	800	800	800	800	800	1300	1300
	h1	Mm	1210	1210	1940	1940	1940	1910	1910
	Ø1	Mm	500	500	560	560	560	560	560
	H**	Mm	4075	4075	4805	4805	4805	4805	4805
Dimenzije distributivnih kanala		Mm	570x570	570x570	570x570	570x570	570x570	570x570	570x570
Dimenzije kanala		Mm	25÷40	25÷40	25÷40	25÷40	25÷40	25÷40	25÷40
Nivo buke *		dB	76	78	80	82	82	85	88

* nivo buke meren na rastojanju od 3 m od centra vrata - Toll. ± 3dB

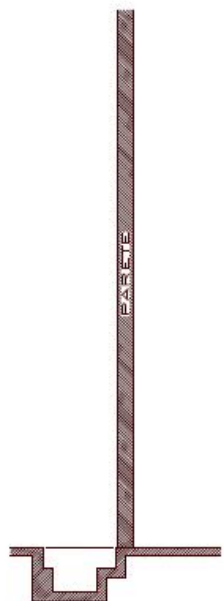
** Teoretska vrednost, sa maksimalnom širinom vrata.

Dimensions of the ventilation tower with motor diameter 560 mm



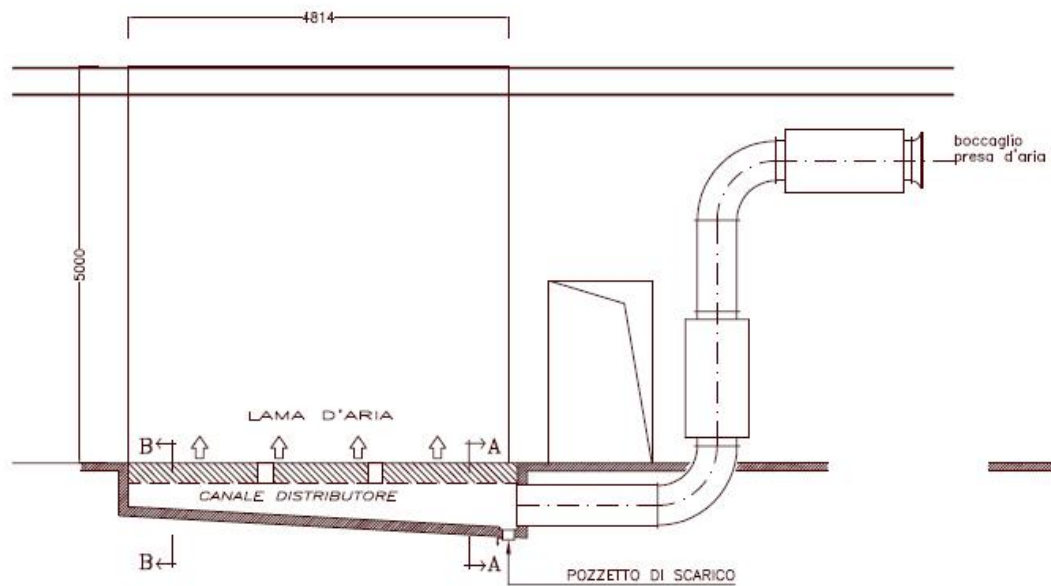


INTERNO ESTERNO

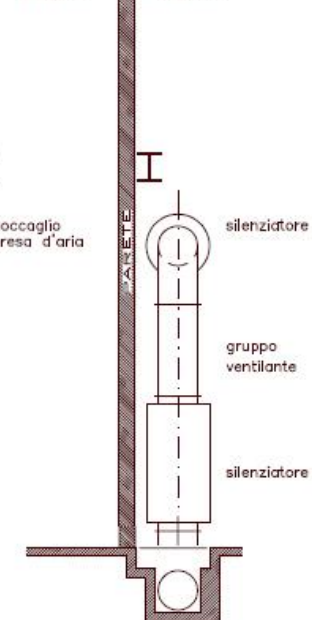


SEZ. B-B

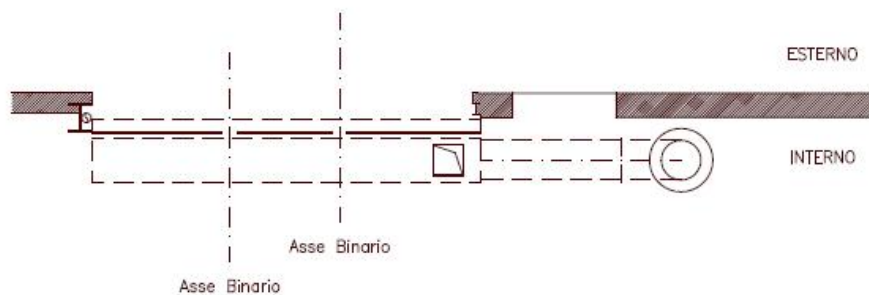
VISTA INTERNA PORTONE



ESTERNO INTERNO



SEZ. A-A



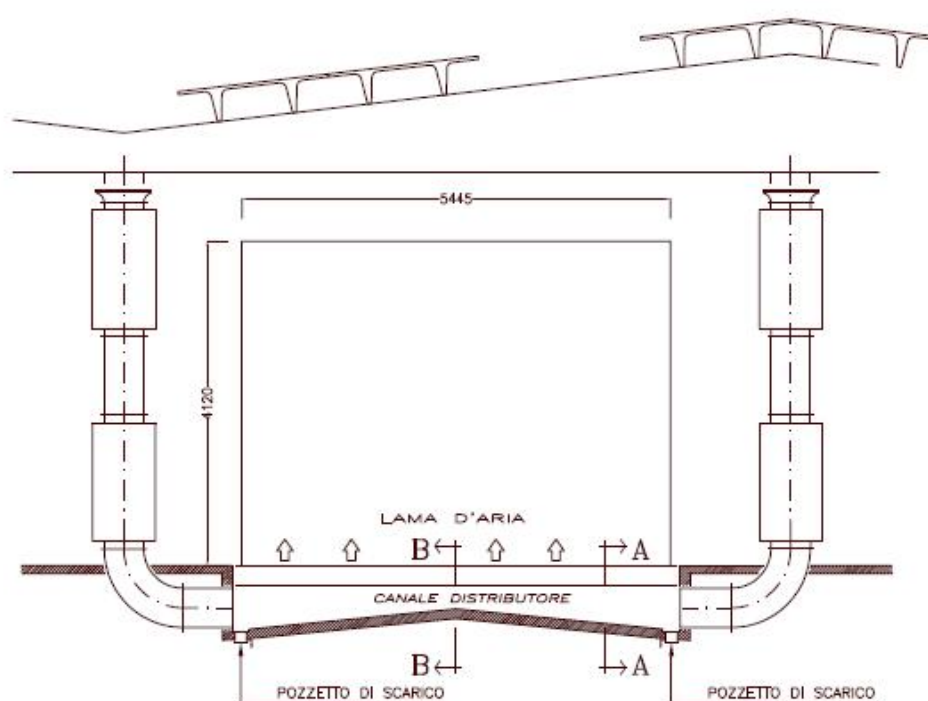


VISTA INTERNA CAPANNONE

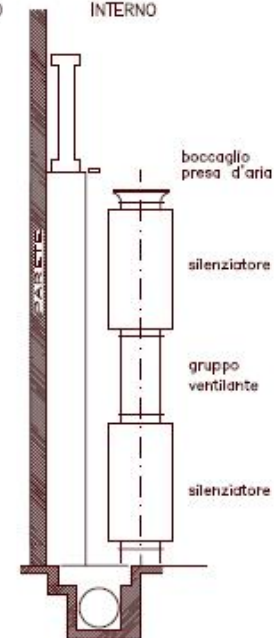
INTERNO ESTERNO



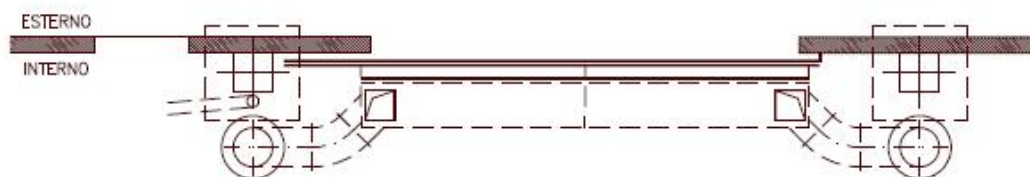
SEZ. B-B



ESTERNO INTERNO



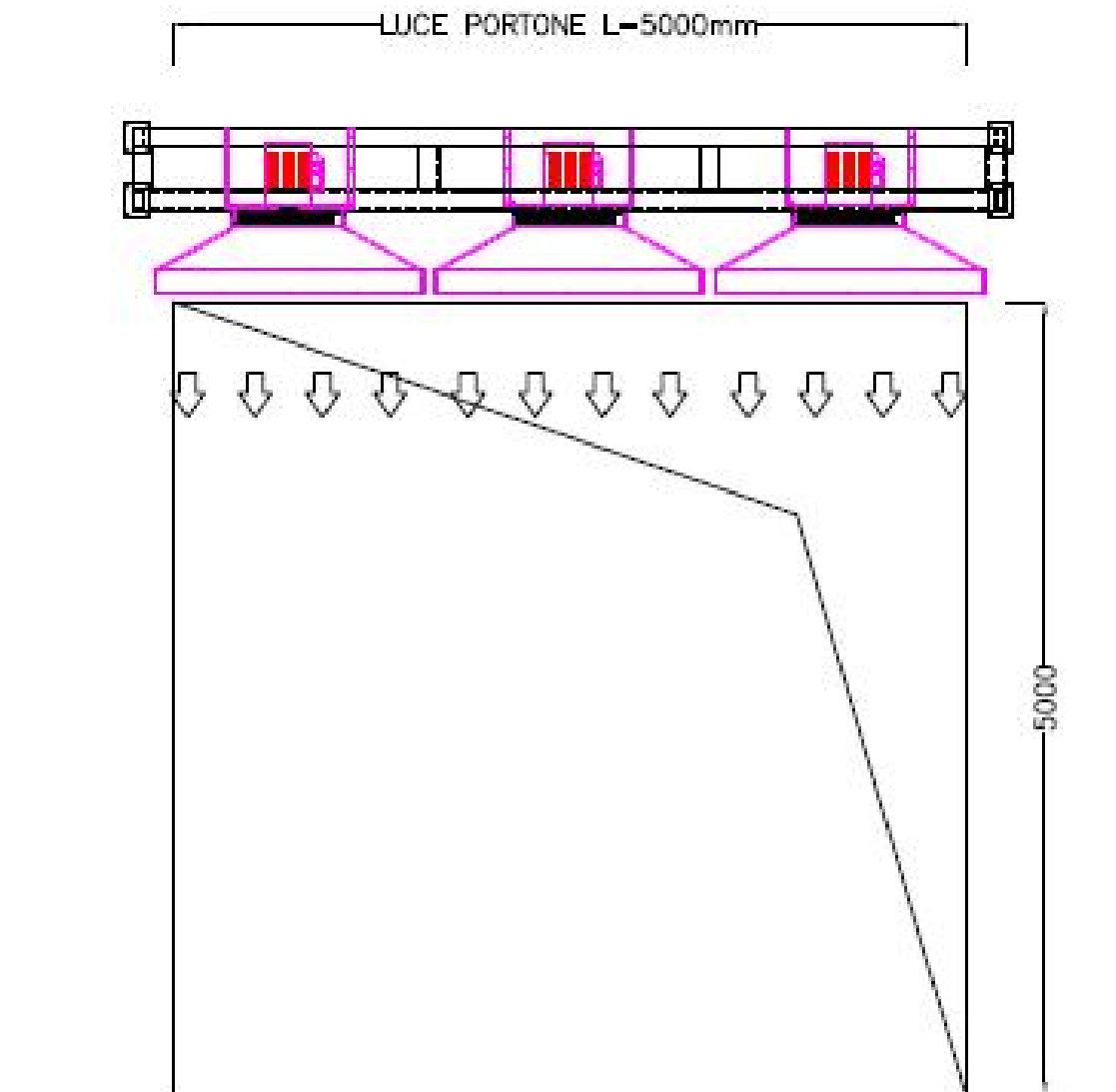
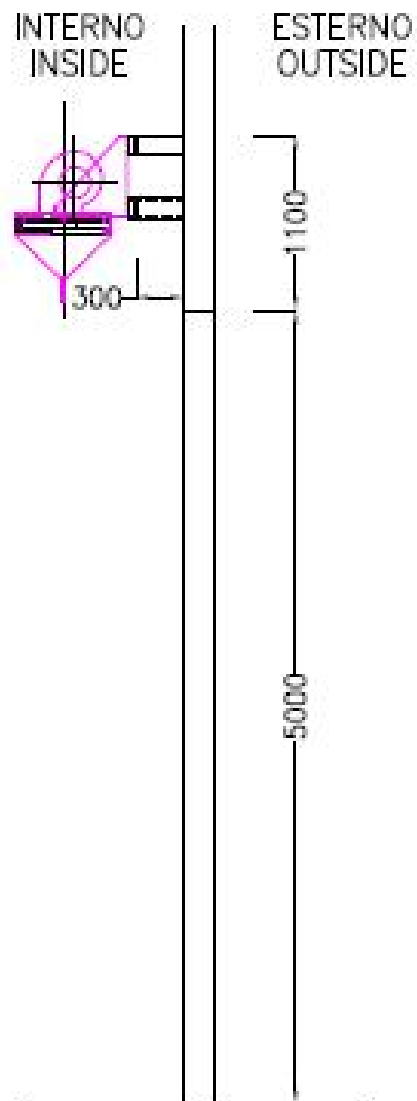
SEZ. A-A





Plafonske barijere





DATI FUNZIONALI - FUNCTIONAL DATA

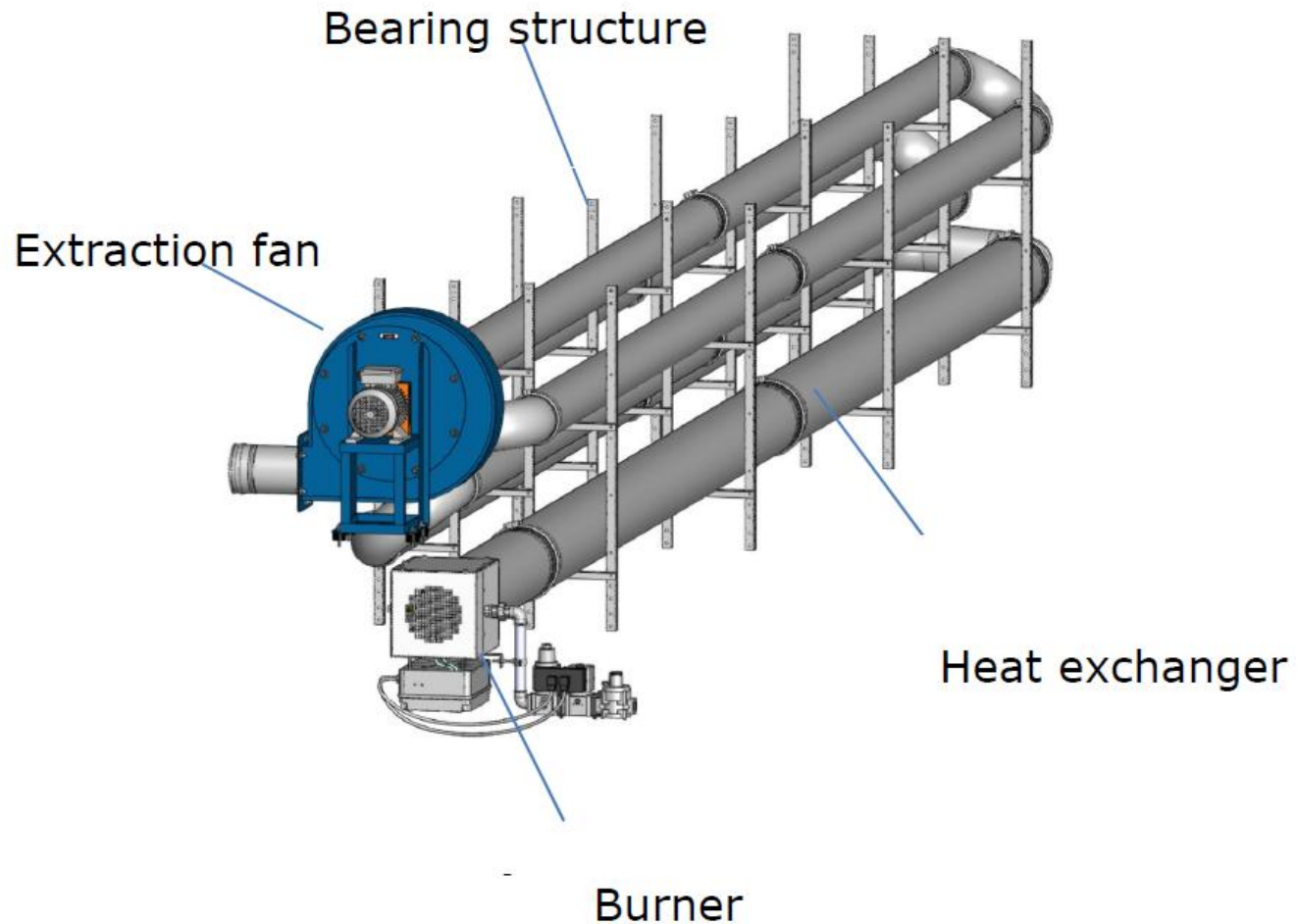
Modello Model	Larghezza porte Doors width (m)	N. ventilatori/motori No. of fans/motors	Potenza elettrica Motor output (kW)	Portata d'aria Air flow (m³/h)	Dimensioni A - B - C - D - E Dimensions A - B - C - D - E (mm)					Livello sonoro Sound Level (dB)
A sola aria/Air only										
WBV 10 A	1,2 ÷ 2,0	1/1	0,49	1.990 - 2.480 - 3.120	300	1.000	390	130	1.400	49 - 43 - 37
WBV 20 A	1,2 ÷ 2,2	1/1	0,72	2.200 - 2.920 - 3.610	300	1.000	390	130	1.400	51 - 45 - 40
WBV 30 A	1,2 ÷ 2,3	1/1	0,53	2.560 - 3.160 - 3.840	330	1.050	445	75	1.400	51 - 44 - 39
WBV 40 A	1,2 ÷ 2,5	1/1	0,86	2.850 - 3.600 - 4.250	330	1.050	445	75	1.400	53 - 46 - 40
Con batteria ad acqua/With water coil										
WBW 10 BT	1,2 ÷ 2,0	1/1	0,27	1.277 - 1.778 - 2.214	510	1.170	405	150	1.500	34 - 40 - 45
WBW 20 BT	1,2 ÷ 2,0	1/1	0,27	1.237 - 1.741 - 2.070	510	1.170	405	150	1.500	34 - 40 - 46
WBW 30 BT	1,4 ÷ 2,2	1/1	0,75	1.736 - 2.501 - 3.198	610	1.230	505	150	1.600	35 - 41 - 47
WBW 40 BT	1,4 ÷ 2,2	1/1	0,75	1.573 - 2.313 - 2.880	610	1.230	505	150	1.600	36 - 42 - 48
WBW 50 BT	1,5 ÷ 2,3	1/1	0,75	2.393 - 3.136 - 4.158	710	1.230	605	150	1.700	36 - 43 - 48
WBW 60 BT	1,5 ÷ 2,3	1/1	0,75	2.160 - 3.032 - 3.750	710	1.230	605	150	1.700	37 - 43 - 49
WBW 70 BT	1,8 ÷ 2,6	2/2	0,75 x 2	3.649 - 5.203 - 6.642	1.110	1.230	505	150	2.100	38 - 44 - 50
WBW 80 BT	1,8 ÷ 2,6	2/2	0,75 x 2	3.439 - 4.858 - 6.096	1.110	1.230	505	150	2.100	39 - 45 - 51
WBW 90 BT	2,0 ÷ 3,0	2/2	0,75 x 2	4.845 - 6.850 - 8.733	1.310	1.230	605	150	2.300	39 - 46 - 51
WBW 100 BT	2,0 ÷ 3,0	2/2	0,75 x 2	4.347 - 6.052 - 7.680	1.310	1.230	605	150	2.300	40 - 46 - 52
Con resistenza elettrica (230/400 V)/With electrical resistance (230/400 V)										
WBE 10 E/230	1,2 ÷ 2,0	1/1	0,49	1.990 - 2.480 - 3.120	300	1.150	390	150	1.400	49 - 43 - 37
WBE 10 E/400	1,2 ÷ 2,0	1/1	0,49	1.990 - 2.480 - 3.120	300	1.150	390	150	1.400	49 - 43 - 37
WBE 20 E/230	1,2 ÷ 2,2	1/1	0,72	2.200 - 2.920 - 3.610	300	1.150	390	150	1.400	51 - 45 - 40
WBE 20 E/400	1,2 ÷ 2,2	1/1	0,72	2.200 - 2.920 - 3.610	300	1.150	390	150	1.400	51 - 45 - 40
WBE 30 E/230	1,2 ÷ 2,3	1/1	0,53	2.560 - 3.160 - 3.840	330	1.200	445	95	1.400	51 - 44 - 39
WBE 30 E/400	1,2 ÷ 2,3	1/1	0,53	2.560 - 3.160 - 3.840	330	1.200	445	95	1.400	51 - 44 - 39
WBE 40 E/230	1,2 ÷ 2,5	1/1	0,86	2.850 - 3.600 - 4.250	330	1.200	445	95	1.400	53 - 46 - 40
WBE 40 E/400	1,2 ÷ 2,5	1/1	0,86	2.850 - 3.600 - 4.250	330	1.200	445	95	1.400	53 - 46 - 40

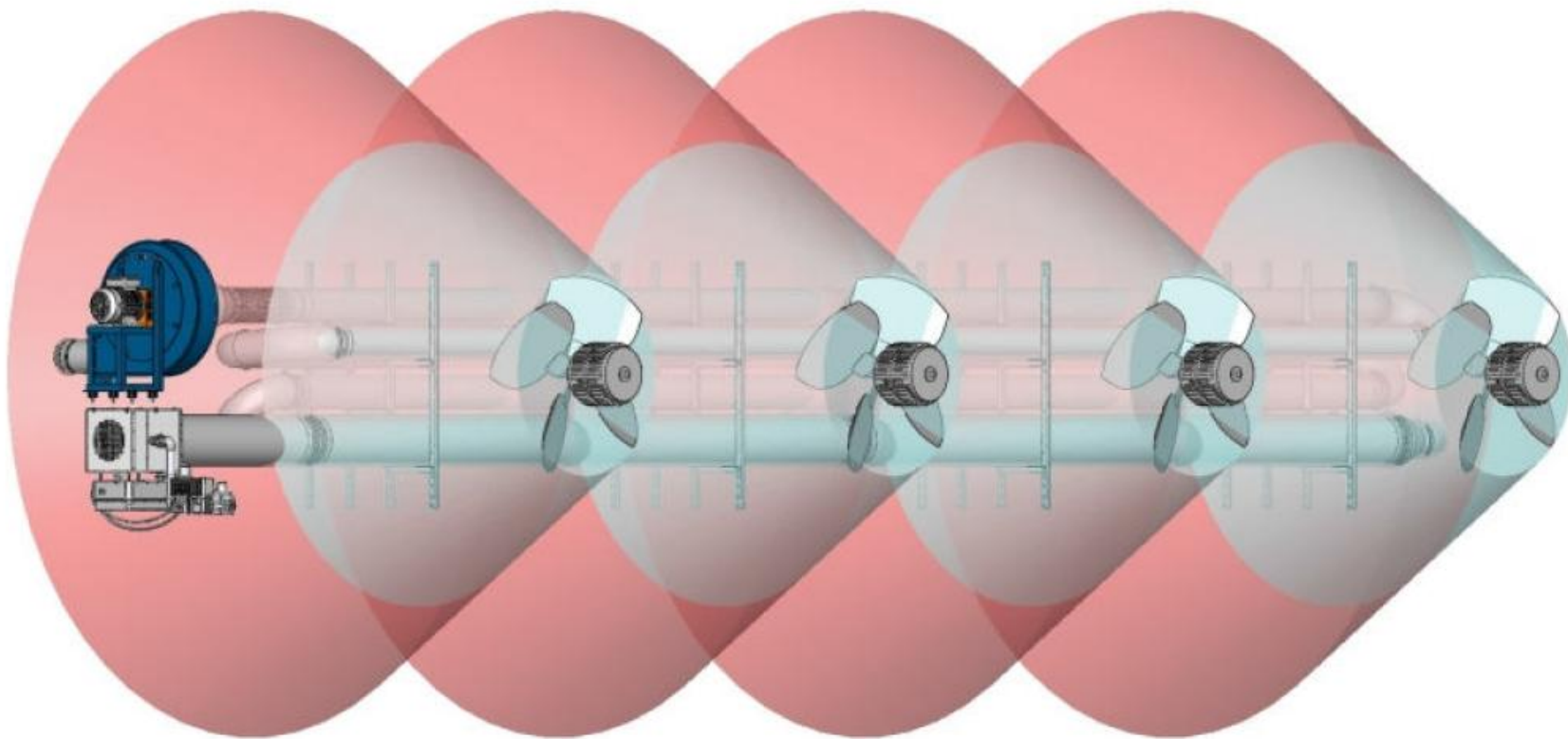
I dati tecnici potranno subire variazioni a discrezione della CARLIEUKLIMA
 Technical data can change depending on product development

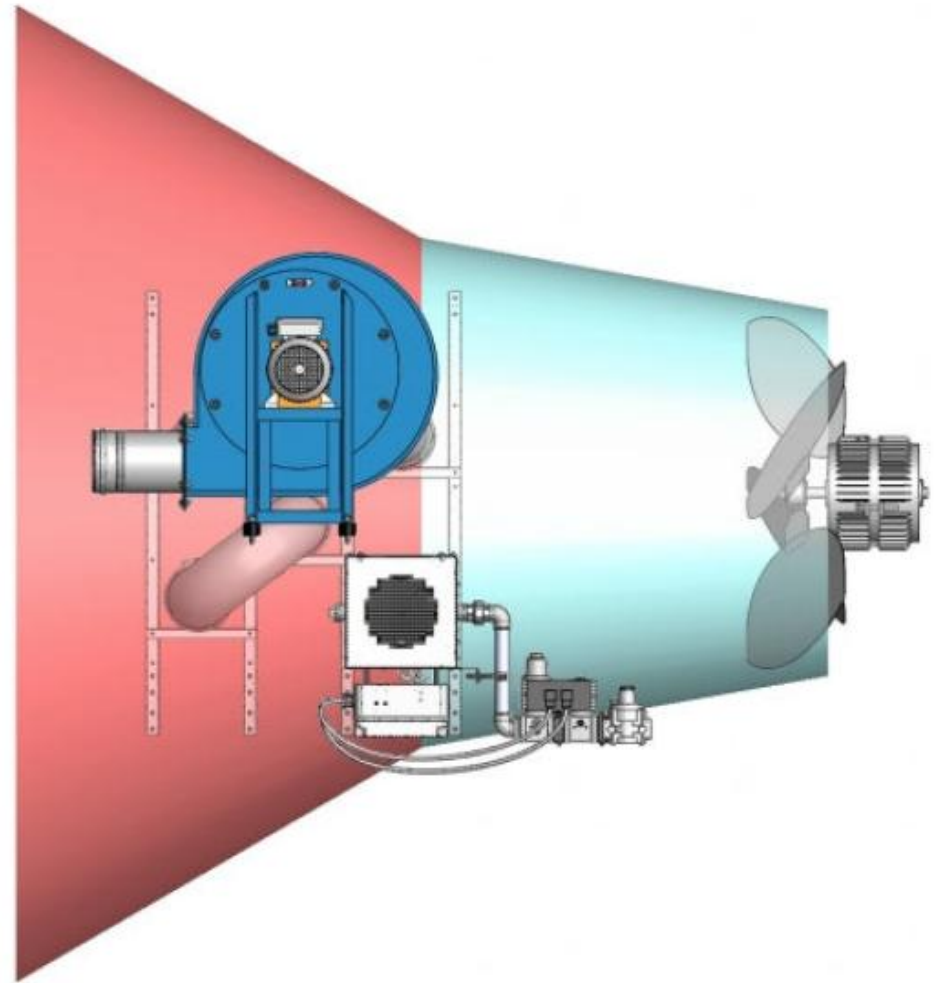
EUWOOD

Generatori toplog vazduha velike snage

EUWOOD KOMPONENTI







EUWOOD MODEL1

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ (ГОРЕЛОЧНЫЙ БЛОК) - FUNCTIONAL DATA (BURNER)

Модель Model	Тепловая мощность Heat input*	Входное давление пр. газ сж. газ Gas inlet pressure		Воздушный поток Air flow	Макс. потребление пр. газ сж. газ Max. consumption		Макс. температура во время процесса Max. temperature during process	Эл. подключение горелки Burner supply	Рабочая эл. мощность Operating power absorption
	(кВт-kW)	G20 (мбар-mbar)	LPG	(м³/ч-m³/h)	G20 (м³/ч-m³/h)	LPG (кг/ч-kg/h)	(°C)	(В/Гц-V/Hz)	(ВА-VA)
DRYER 150/4	150,00	25-300	50-300	100.000-150.000	15,86	10,71	100	115/50-60 230/50-60	127
DRYER 150/6	150,00	25-300	50-300	80.000-120.000	15,86	10,71	100	115/50-60 230/50-60	127
DRYER 150/8	150,00	25-300	50-300	60.000-90.000	15,86	10,71	100	115/50-60 230/50-60	127
DRYER 300/4	300,00	25-300	50-300	120.000-180.000	31,72	21,43	100	115/50-60 230/50-60	127
DRYER 300/6	300,00	25-300	50-300	100.000-150.000	31,72	21,43	100	115/50-60 230/50-60	127
DRYER 300/8	300,00	25-300	50-300	80.000-120.000	31,72	21,43	100	115/50-60 230/50-60	127

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ (ДВИГАТЕЛЬ/ВЕНТИЛЯТОР) - FUNCTIONAL DATA (MOTOR-FAN)

Модель Model	Эл. подключение Power supply	Потребляемый ток Absorbed current	Мощность двигателя Motor power	Диаметр дымоотвода Exhaust pipe diameter	Масса вентилятора Electric fan weight
	(фаза-РН В/Гц-V/Hz)	(А)	(кВт-kW)	(м³/ч-m³/h)	(кг-kg)
DRYER 150/4	3 400/50-60	2,6	1,1	150	36
DRYER 150/6	3 400/50-60	2,6	1,1	150	36
DRYER 150/8	3 400/50-60	2,6	1,1	150	36
DRYER 300/4	3 400/50-60	4,7	2,2	150	52
DRYER 300/6	3 400/50-60	4,7	2,2	150	52
DRYER 300/8	3 400/50-60	4,7	2,2	150	52

PREDNOSTI

- Više od 50% uštede energije.
- Pogodno za različite postupke sušenja.
- Savršeno za sušenje drveta i velike količine suvih materijala.
- Veoma visoka efikasnost.
- Veoma lagan sistem.
- Radna temperatura je lako dostupna.



BLife®

**NAJBOLJE REŠENJE
KLIMATIZACIJE**

TEMPERATURNI KOMFORT U SVIM SEZONAMA



TEMPERATURNI KOMFORT

+

TIH RAD

+

NISKA CENA RADA

+

NISKE EMISIJE U ATMOSFERU

=

KVALITETNIJI ŽIVOT



KAKO ?

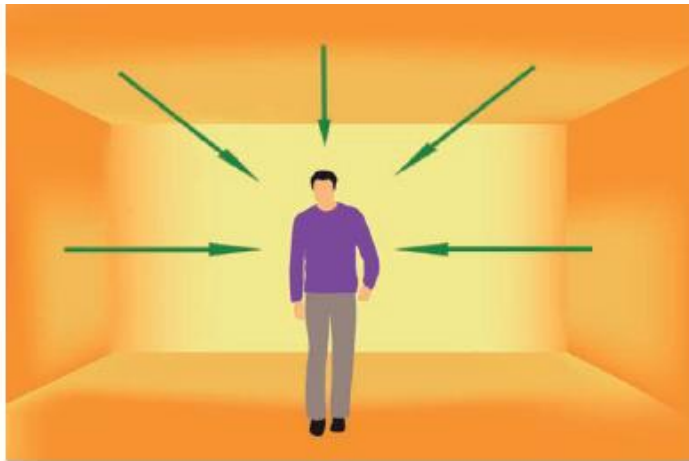
SA RADIJANTNOM KLIMATIZACIJOM

RAZMENA TEMPERATURE RADIJACIJOM
DEŠAVA SE U PRIRODI

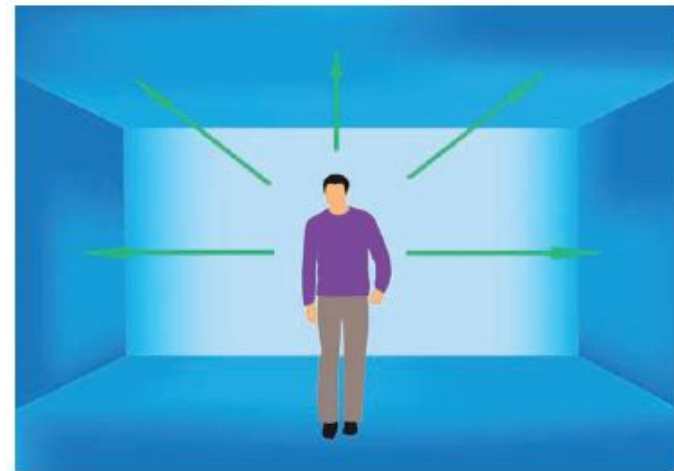


RADIJANTNI KLIMATIZACIJSKI SISTEM

HEATING



COOLING



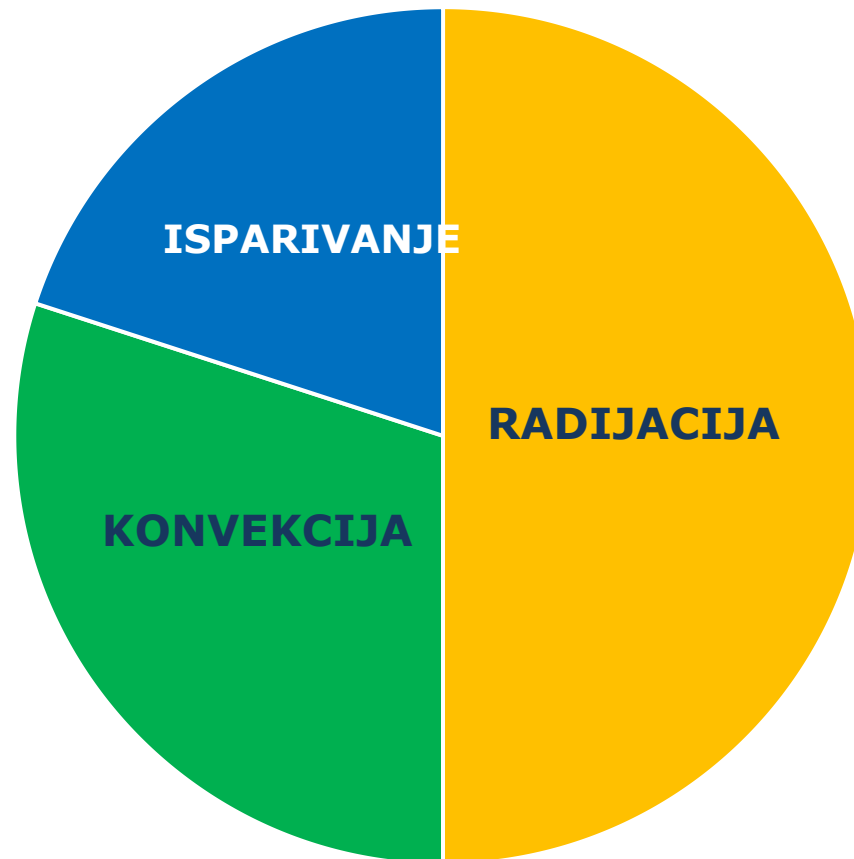
Zahvaljujući velikim površinama BLife radijantnih panela , možemo vam garantovati

idealne proporcije

razmene toplote između vašeg tela i okoline :

IDEALNE PROPORCIJE

50% RADIJACIJOM 30% KONVEKCIJOM 20% ISPARIVANJEM



PREDNOSTI PASIVNOG GREJANJA POMOĆU RADIJANTNE TEMPERATURE



**BEZ PRENOSA TEMPERATURE
VENTILACIJOM**



BEZ KRETANJA VAZDUHA

TRETMAN VAZDUHA

KONVEKTIVNI SISTEM = $5 \div 10 \text{ m}^3/\text{m}^3$

RADIJANTNI SYSTEM = $1 \div 2 \text{ m}^3/\text{m}^3$



BEZ KRETANJA VAZDUHA



BEZ BUKE



**UŠTEDA
ENERGIJE**

TEMPERATURA VODE

KONVEKTIVNI SISTEM = $5 \div 7$ °C

RADIJANTI SISTEM = $12 \div 15$ °C



VISOKA EFIKASNOST HLAĐENJA



**DUGAČAK
ŽIVOTNI VEK**



**UŠTEDA
ENERGIJE**

VIŠE HIGIJENE I ZDRAVLJA



Toplotna razmena radijacijom znatno ograničava cirkulaciju velikih količina vazduha, izbegavajući:

- cirkulaciju prašine i zagađujućih materija
- dosadne vazдушna kretanja
- održavanje usled čestog čišćenja radi bakterija prisutnih u tradicionalnim sistemima za klimatizaciju za hlađenje i grejanje .

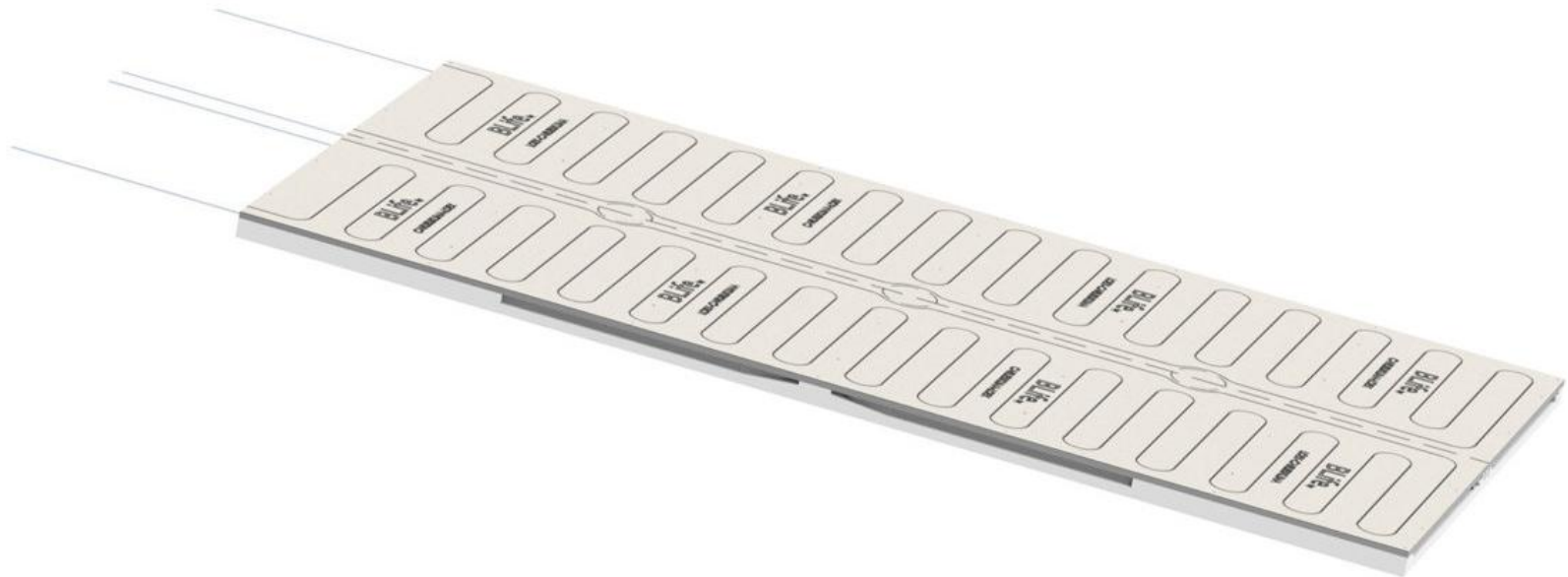
KOMFORT , UŠTEDA ENERGIJE I POŠTOVANJE AMBIJENTA

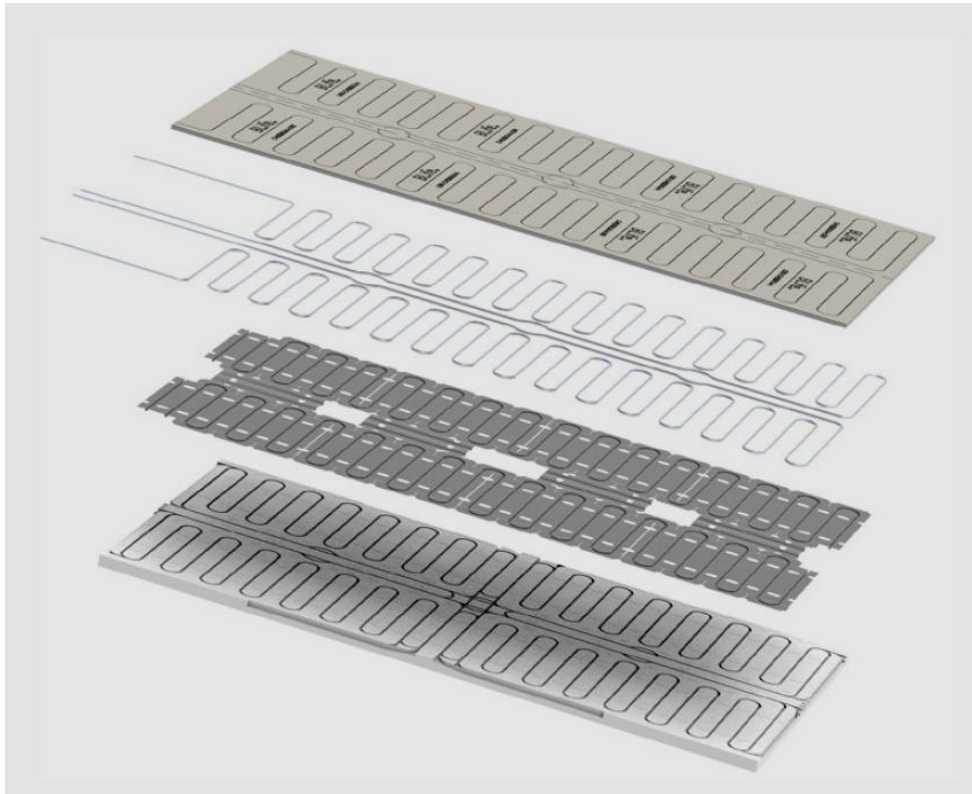


BLife®

Modularne gipsane ploče, postavljene na plafon
ili zid, pogodne za klimatizaciju i grejanje

Dimenzije 2400x1200x52.5 mm

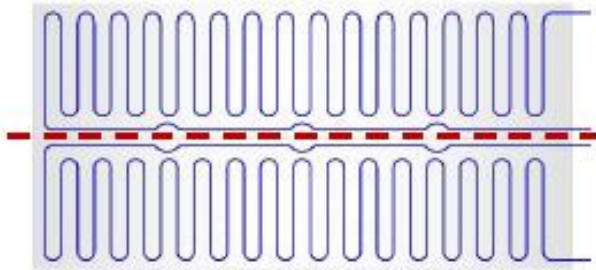




- 1) Activ'Air® gipsana ploča , 12.5 mm debljine
- 2) Hidraulična instalacija komponovana od 8x1 mm PE-Xa cevi
- 3) Aluminijski temperaturni diffusor, 0.4 mm debljine
- 4) EPS200 polystyrene izolacija, 40mm debljine

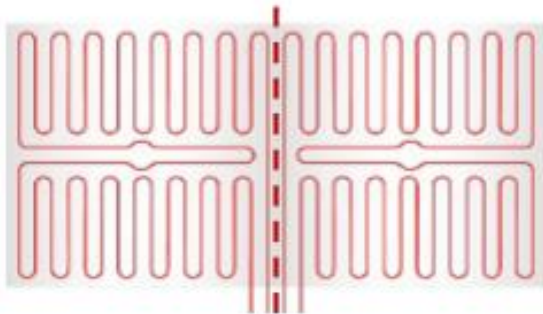
BLife®

BLife® aktivni paneli su dostupni u 3 različita tipa :



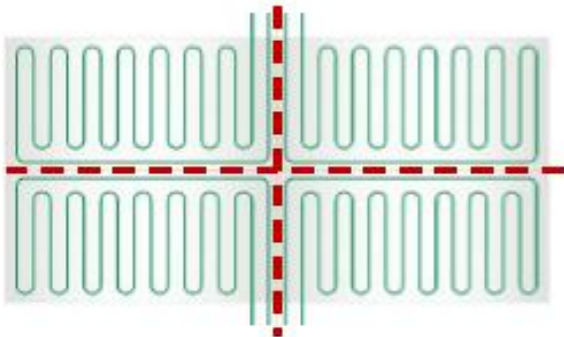
BLife® active panel - Type 1

By cutting the "type 1" BLife® active panel along the line, it is possible to obtain two panels having dimensions 2400x600 mm



BLife® active panel - Type 2

By cutting the "type 2" BLife® active panel along the line, it is possible to obtain two panels having dimensions 1200x1200 mm

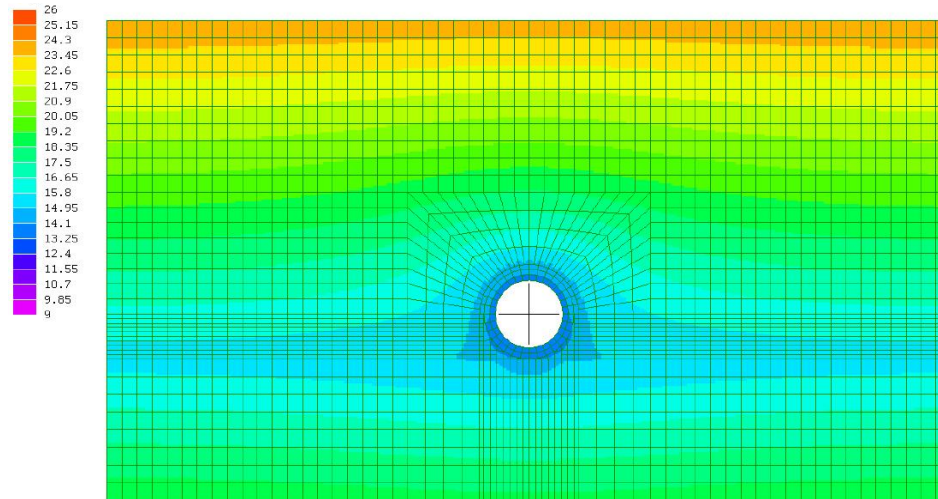


BLife® active panel - Type 3

By cutting the "type 3" BLife® active panel along the line, it is possible to obtain two panels having dimensions 1200x600 mm

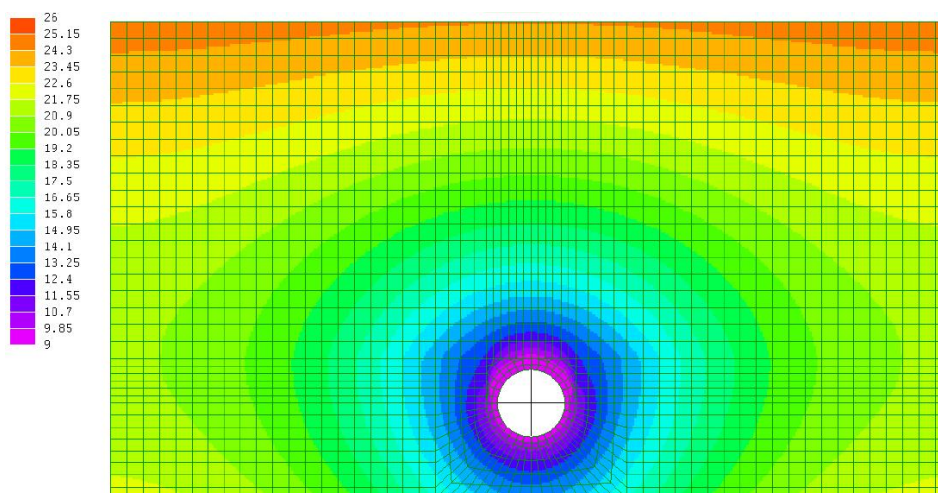
hlađenje

Temperatures



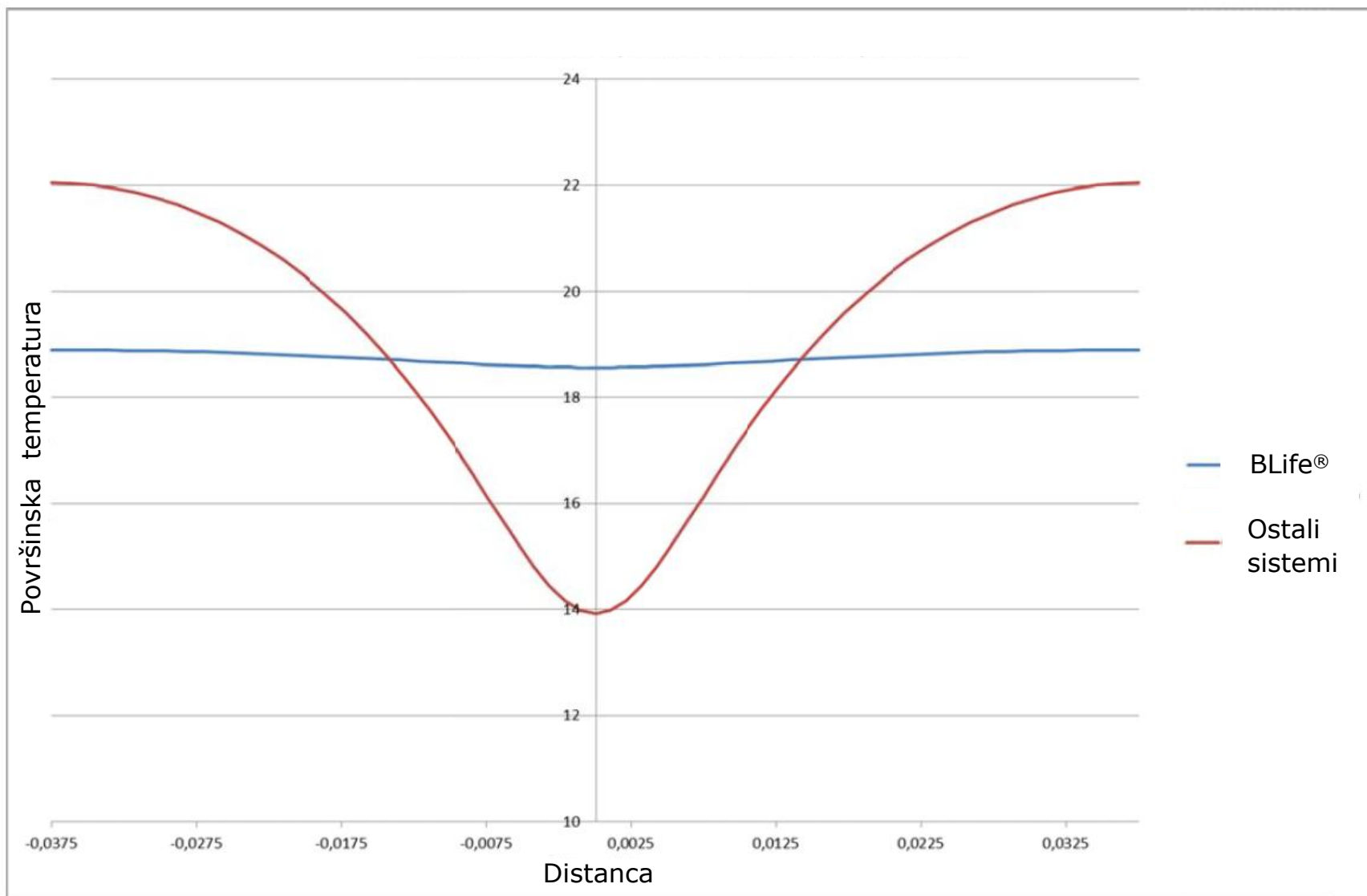
BLife®

Temperatures

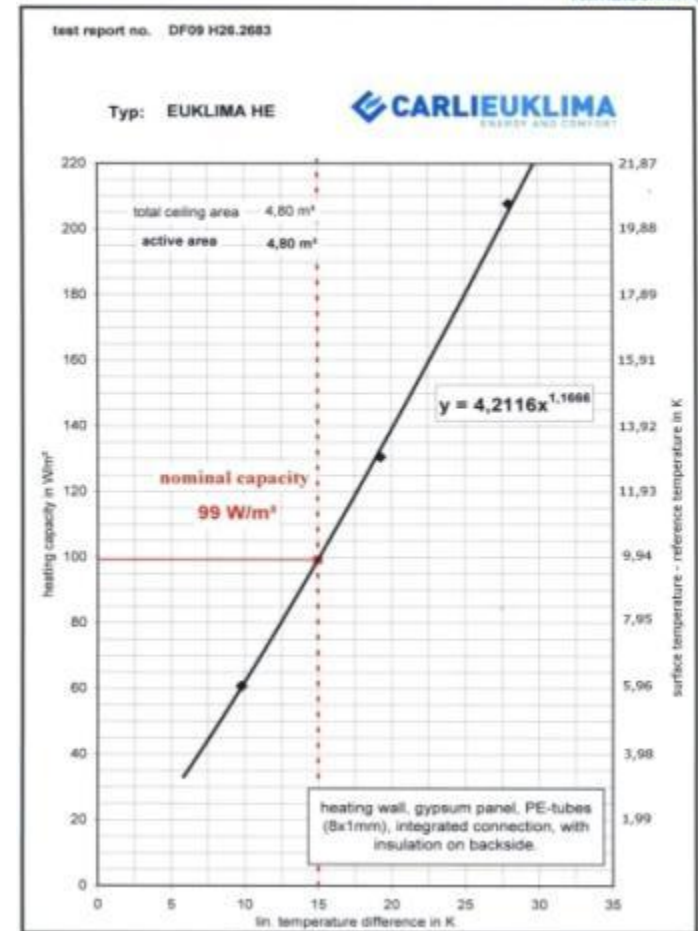
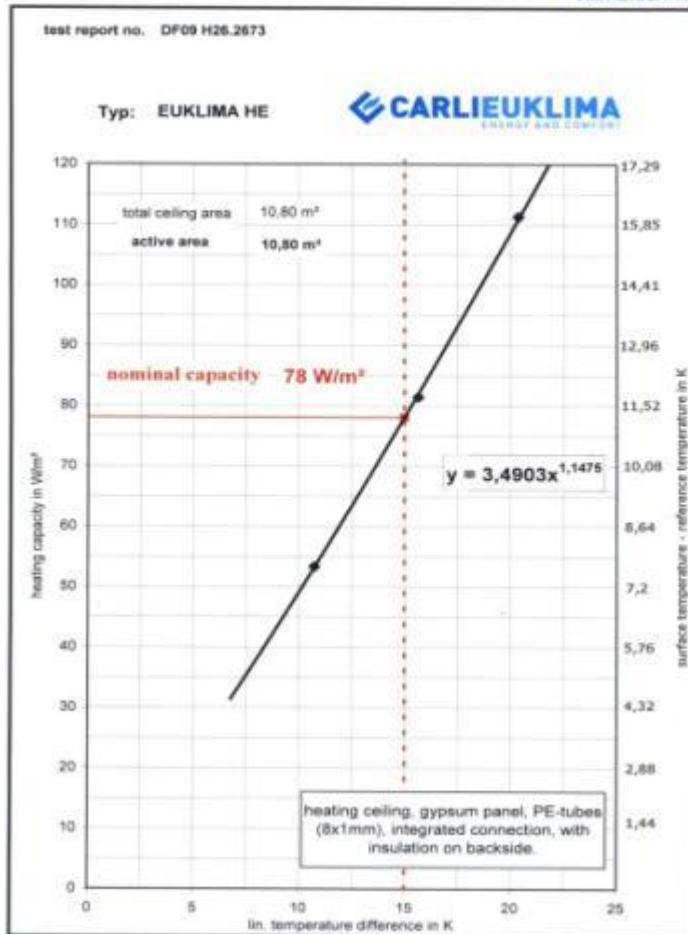


Other
systems

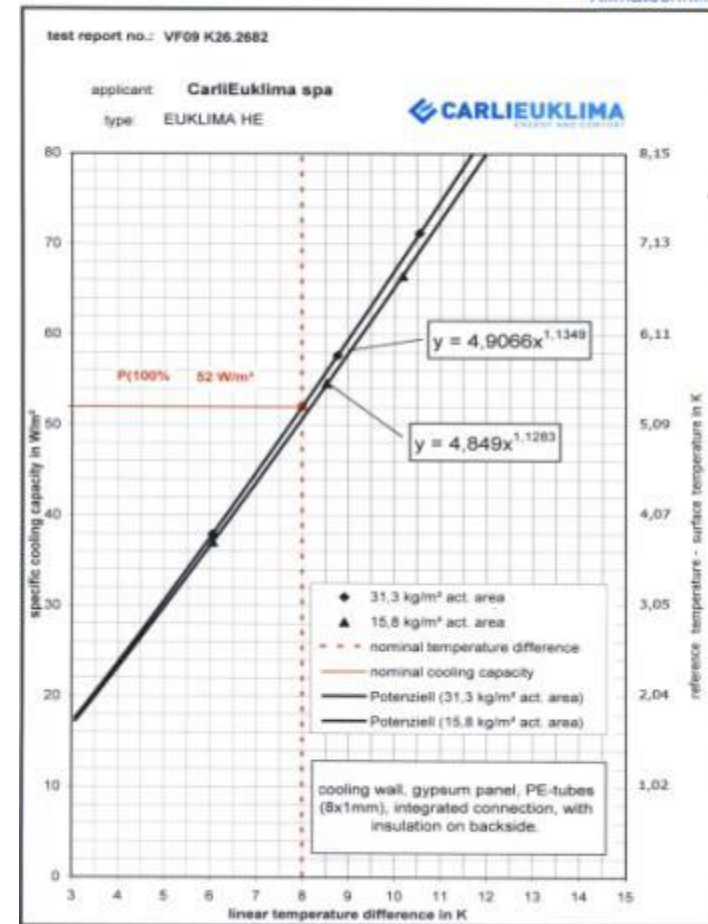
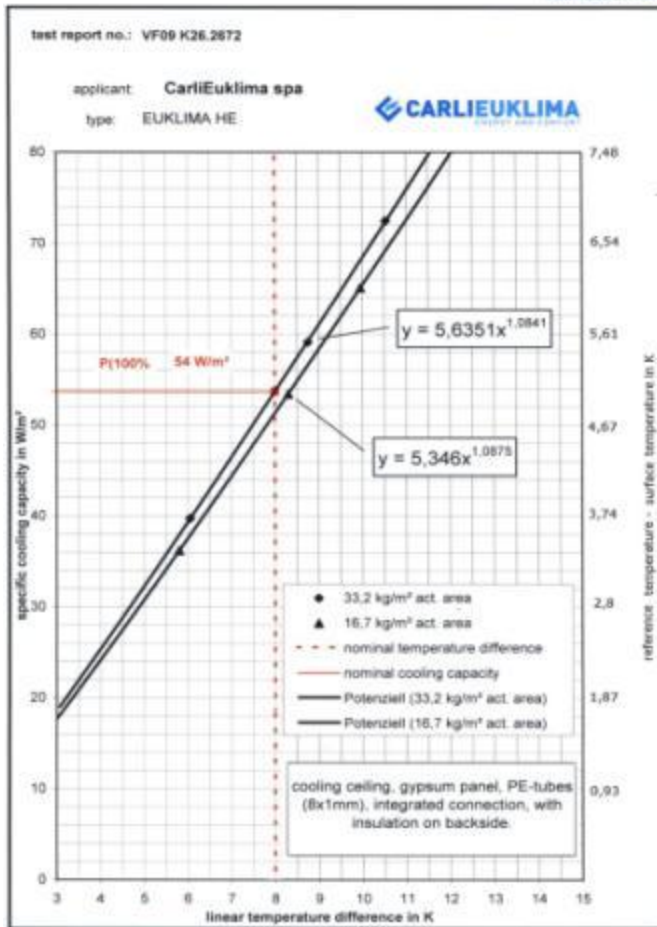
Površinska distribucija temperature



Certifikovani termički kapacitet grejanja



Certifikovani termički kapacitet hlađenja



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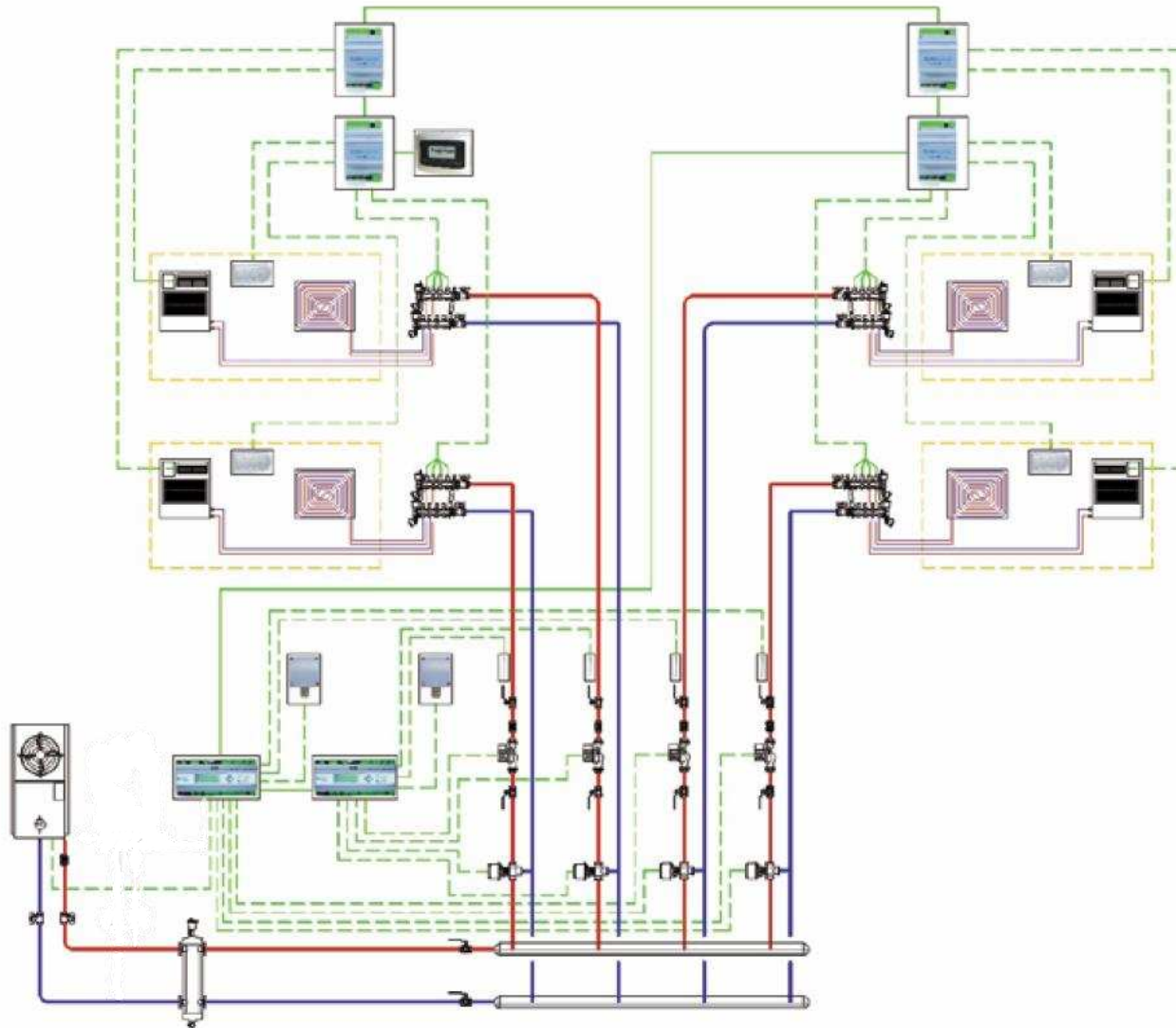
SISTEM DEUMIDIFAKACIJE

Povrat toplote (50-90%)
Svež vazduh spolja - freecooling



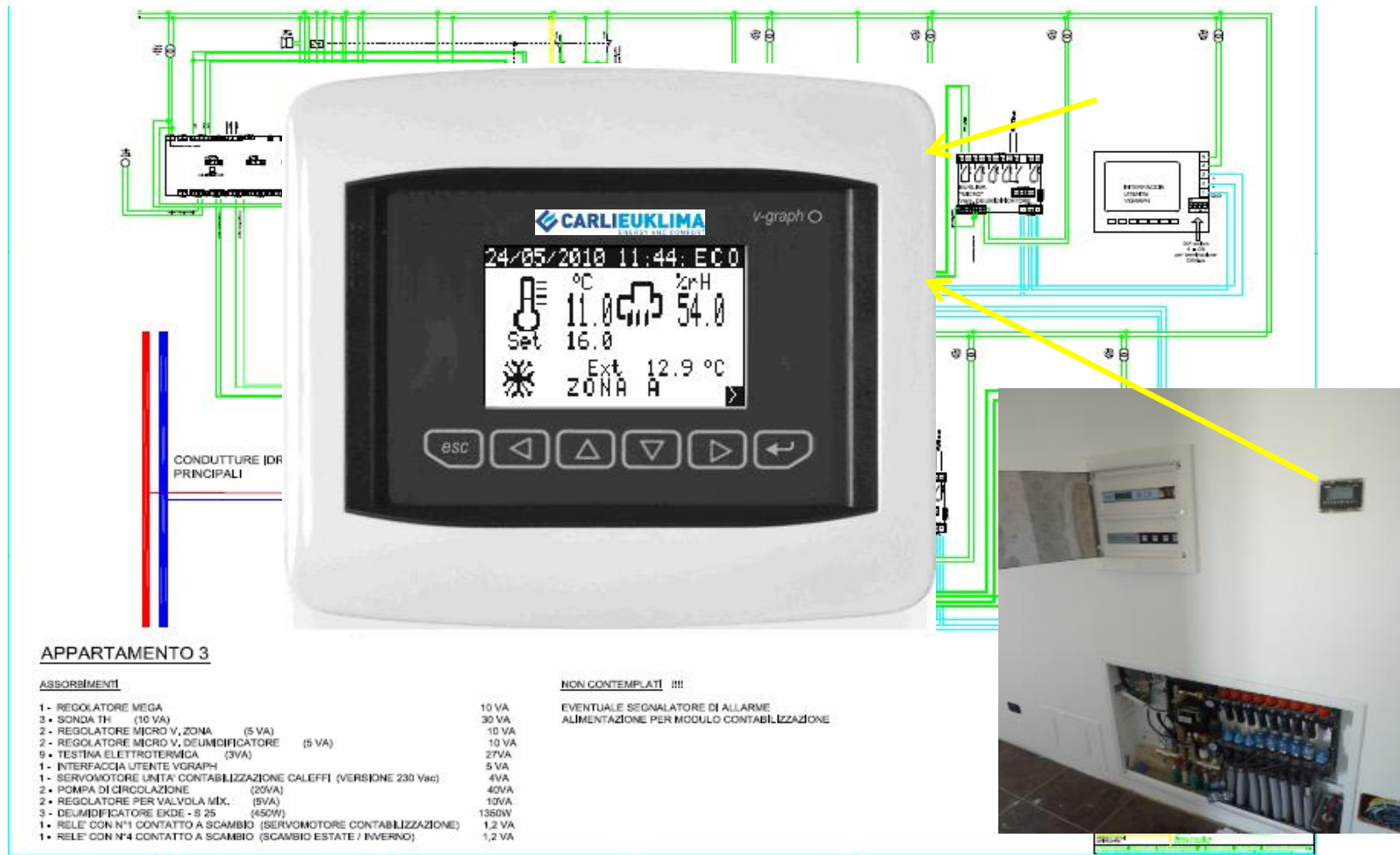
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ŠEMA KONEKCIJA I LOKALNI KONTROLNI SISTEM



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CLIMATIC CONTROL



HVALA NA PAŽNJI

