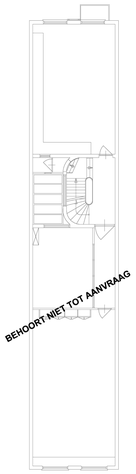


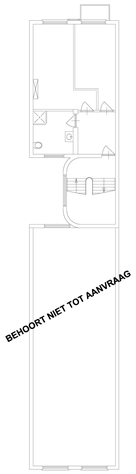
BEGANE GROND
bestaand



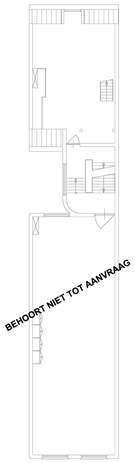
1e VERDIEPING
bestaand



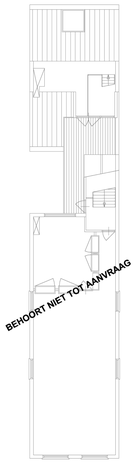
2e VERDIEPING
bestaand



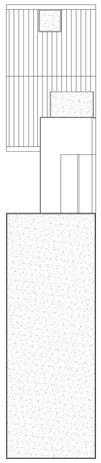
3e VERDIEPING
bestaand



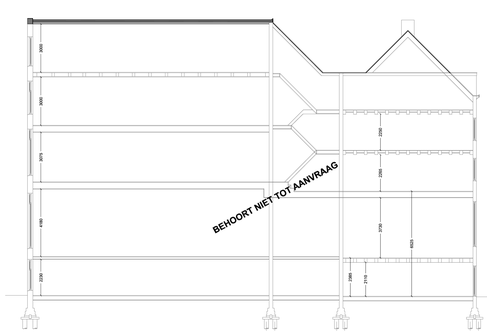
4e VERDIEPING
bestaand



5e VERDIEPING
bestaand



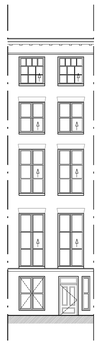
DAKAANZICHT
bestaand



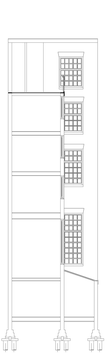
DOORSNEDE a-a
bestaand



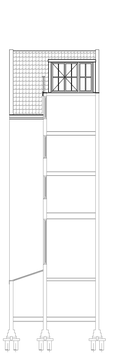
DOORSNEDE b-b
bestaand



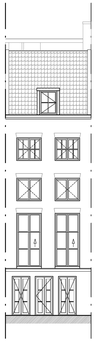
STRAATGEVEL
bestaand



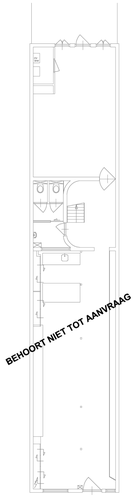
ACHTERGEVEL-voorhuis
bestaand



ACHTERGEVEL-achterhuis
bestaand



TUINGEVEL
bestaand



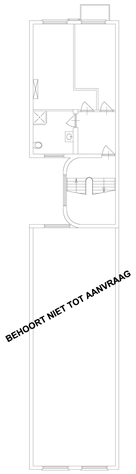
BEGANE GROND
ongewijzigd



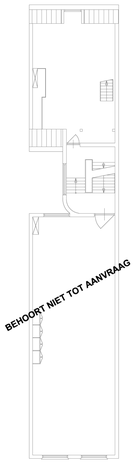
1e VERDIEPING
ongewijzigd



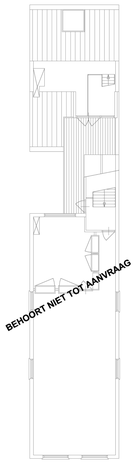
2e VERDIEPING
ongewijzigd



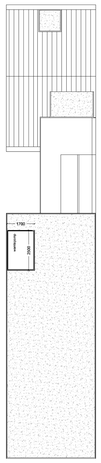
3e VERDIEPING
ongewijzigd



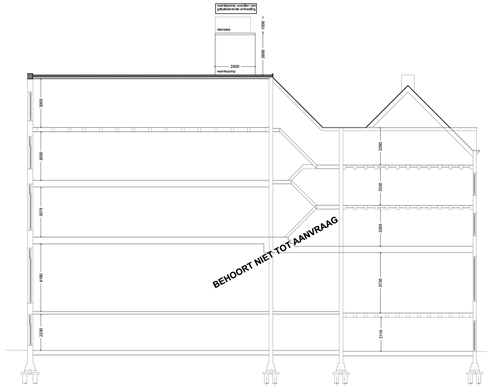
4e VERDIEPING
ongewijzigd



5e VERDIEPING
ongewijzigd



DAKAANZICHT
nieuw



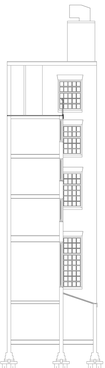
DOORSNEDE a-a
nieuw



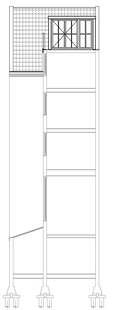
DOORSNEDE b-b
nieuw



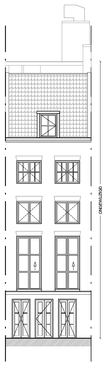
STRAATGEVEL
nieuw



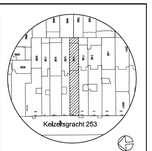
ACHTERGEVEL-voorhuis
nieuw



ACHTERGEVEL-achterhuis
ongewijzigd



TUINGEVEL
nieuw



SITUATIE 1:1000

Kadastrale gemeente		AMSTERDAM E
Sectie		E
Perceel		3914

renvooi

VR	=	verblijfsruimte
VVR	=	verkeersruimte
G/VVR	=	gemeenschr. verkeersruimte
BVR	=	bijzondere ruimte
BU	=	buitenruimte
BA	=	badruimte
BR	=	beschrijfsruimte
OR	=	onbenoemde ruimte
r	=	roldeurdoor
nv	=	natuurlijke ventilatie
mv	=	mechanische ventilatie
avl / arg	=	aanvoer verbrandingslucht / afvoer rookgas
gh	=	gashaard
mh	=	gasgestookt
ok	=	openhaard
st	=	standleiding
kk	=	koolkast
r	=	meterkast
hwa	=	hemelwater afvoer
d-b	=	doorvalbeveiliging
	=	30 minuten branschscheidend
	=	60 minuten branschscheidend
	=	blijvenwand, bestaand
	=	blijvenwand, toekomst, bestaand
	=	metselwerk, bestaand
	=	tegelwerk

van toepassing zijnde normen

elektrische installaties	conform NEN 1010
centrale verwarming	conform NEN 3028
ventilatie	conform NEN 1087
trappen	conform NEN 3509
lucht- en contactgeluid	conform NEN 5077
luchtdoorlatendheid	conform NEN 2686
waterdichtheid valbeveiliging	conform NEN 2686
valbeveiliging	conform NEN 6708
rookproductie	conform NEN 6066
rookmelders	conform NEN 2555
afmetingen	conform NEN 2580
doorvalbeu. - brokwerenmchnk	conform NEN 3569

opmerkingen

gewijzigd HEt ongewijzigd

maatvoering in het werk te controleren

o.b.v. trap balkdelen met Promatect-H, 30 min. branchw.

schachtwanden 30 min. brandwerend, 30 min. branchw.

schachtwanden 30 min. brandw.,

constructies 30 min. brandw. ontdeel

constructies volgens opgave constructeur

luchtdoorlatendheid conform art. 5.8 BB.,

thermische isolatie conform afdeling 3.11 BB

vrije doorgang conform 4.22 BB.,

wateropname conform art. 3.23 BB.

KAMSTRA | ARCHITECTEN BNA
herengracht 11 1441 ev purmerend

architectuur renovatie
bouwtechniek begeleiding
tekenwerk spitsing

tel 0299 414 555
fax 0299 414 556
mobiel 06 [redacted]
e-mail info@kamstra-architecten.nl

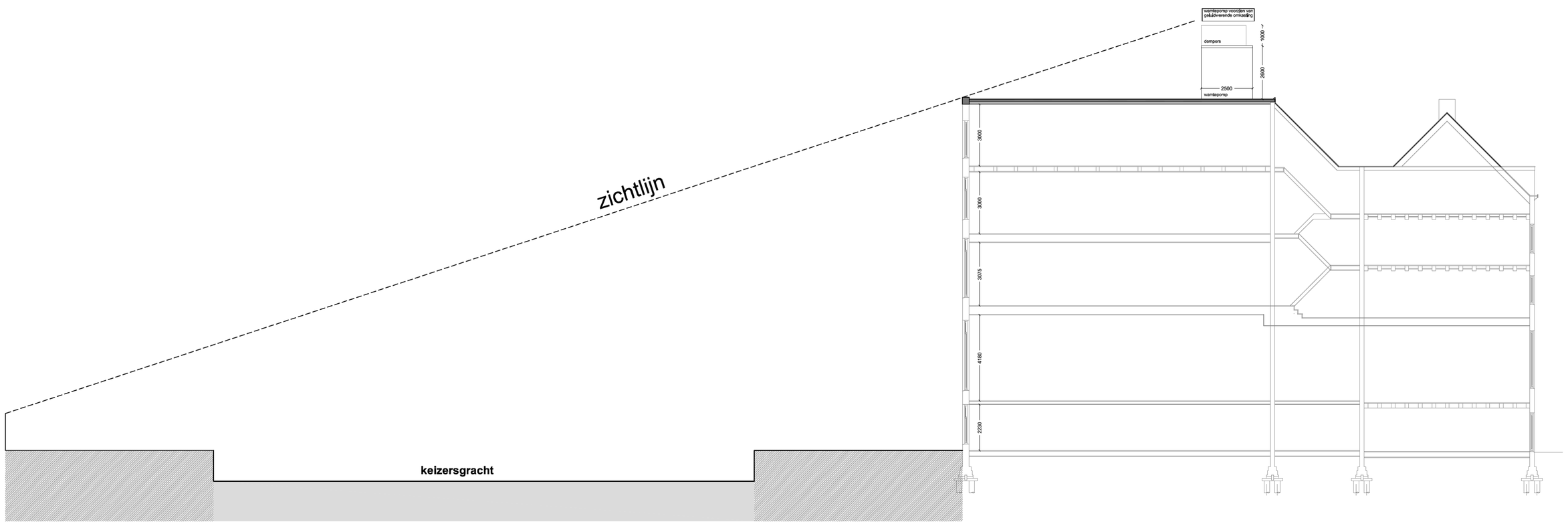
locatie	Centrum
datum	20-09-2022
1e wijziging	-
2e wijziging	-
3e wijziging	-
getekend	TK
schaal	1:100
formaat	1600*840
maten	mm
blad	1/1

project
VERBOUW KEIZERSGRACHT 253

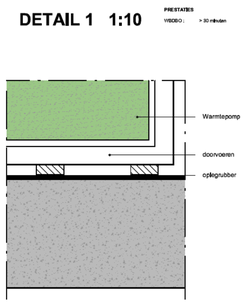
onderwerp
AANVRAAG TEKENING

© KAMSTRA | ARCHITECTEN BNA PURMEREND 2022

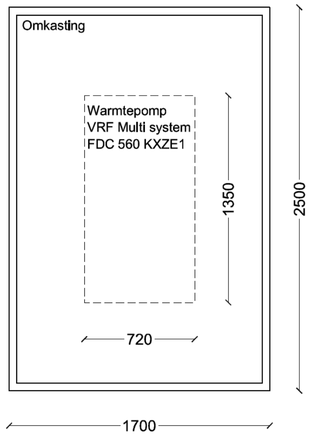
zichtlijn



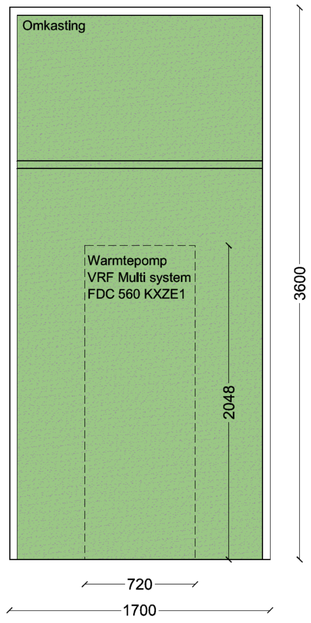
details



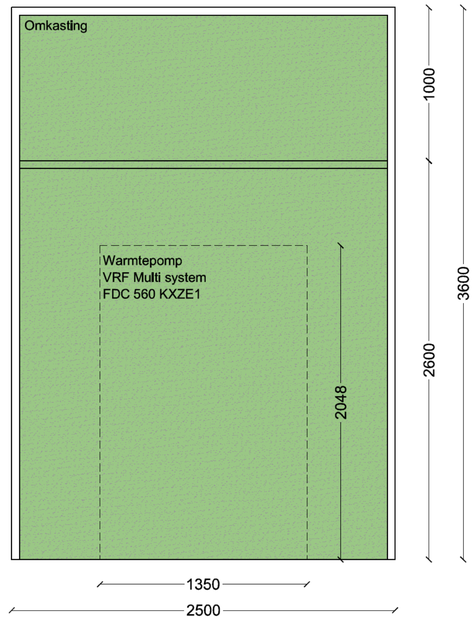
toelichting



Plattegrond



Zijaanzicht



Vooraanzicht

KAMSTRA | ARCHITECTEN BNA
herengracht 11 1441 ev purmerend

architectuur renovatie
bouwtechniek begeleiding
tekenwerk splitsing

tel 0299 414 555
fax 0299 414 556
mobiel 06 [redacted]
e-mail info@kamstra-architecten.nl

locatie	Centrum
datum	20-09-2022
1e wijziging	-
2e wijziging	-
3e wijziging	-
getekend	TK
schaal	1:100
formaat	840*594
maten	mm
blad	1/1

project

VERBOUW KEIZERSGRACHT 253

onderwerp

SUPPLETIE BOUWAANVRAAG

© KAMSTRA | ARCHITECTEN BNA PURMEREND 2022

VRF Multi system **KXZ ADVANCED** series

VRF-T

Heat pump

Modular outdoor units

Connect up to 48 indoor units/130% capacity

FDC 400 KXZE1 40.0 kW
FDC 450 KXZE1 45.0 kW
FDC 475 KXZE1 47.5 kW
FDC 500 KXZE1 50.0 kW
FDC 560 KXZE1 56.0 kW

- Maximum energy efficiency: COP 4.21 (14 HP)
- Only DC Inverter compressors
- High split: up to 1000 m in total and with a maximum distance between the OU and the furthest IU of 160 m

Blue Fin

14~20HP
(40.0~56.0 kW)

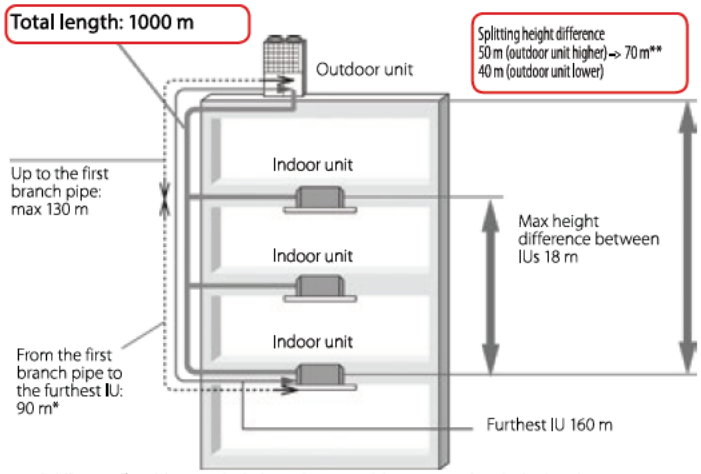


Models		FDC400KXZE1	FDC450KXZE1	FDC475KXZE1	FDC500KXZE1	FDC560KXZE1
Nominal Cool. capacity	kW	40.00	45.00	47.50	50.00	56.00
Cool. power consumption	kW	10.96	13.98	13.98	13.97	16.62
Seasonal energy efficiency index in Cool.	SEER[2]	6.66	6.36	6.84	7.29	6.45
Rated energy efficiency coefficient in Cool.	EER[3]	3.65	3.22	3.40	3.58	3.37
Nominal Heat. capacity	kW	45.00	50.00	53.00	56.00	63.00
Heat. power consumption	kW	10.69	12.50	13.00	13.49	15.59
Seasonal energy efficiency index in Heat.	SCOP[2]	4.23	4.36	4.31	4.58	4.30
Rated energy efficiency coefficient in Heat.	COP[3]	4.21	4.00	4.08	4.15	4.04
Power		Three-phase- 380-415V 50Hz				
Rated current in Cool.	A	17.5	22.4	22.6	22.6	26.9
Rated current in Heat.	A	17.5	20.4	21	21.8	25.8
Sound level	dB(A)	62	61	61	62	66
External dimensions (hxlxd)	mm	2048x1350x720				
Exterior appearance (Munsell colour)		Stucco white (4.2Y7.5 / 1.16) equivalent				
Net weight	kg	317	317	370	370	370
Refrigerant circuit/Compressor type and qty.		GUC5185ND47Vx1		GTC5150NC47LFx2		
Motor	kW	7.32*1	9.32*1	4.64*2	4.91*2	5.36*2
Starting method		Direct, in line				
Indoor System Units	Number of connectable IU	from 1 to 34	from 1 to 39	from 1 to 41	from 1 to 43	from 1 to 48
	Total connectable capacity*	200 ~ 520	225 ~ 585	238 ~ 617	250 ~ 650	280 ~ 728
Crankcase heater	W	40*1	40*1	33*2	33*2	33*2
Refrigerant circuit/Heat exchanger		Pipes finned with Blue fin treatment and grooved internally				
Refrigerant control		Electronic expansion valve				
Refrigerant/GWP[4]		R410A/2088				
Quantity	kg	11.50	11.50	11.50	11.50	11.50
Tons of CO2 equivalent		24.01	24.01	24.01	24.01	24.01
Refrigerant oil	l	2.9 (M-MA32R)		4.2 (M-MA32R)		
Defrost control		Micro -computerised				
Air treatment/Fan type and quantity		Axial fan x 2				
Motor	W	386×2				
Starting method		Direct				
Air flow (Standard)	m3h	16800	16800	16800	16800	18600
Available static pressure	Pa	Max 50				
Shock and vibration absorption		Rubber vibration absorber (for compressor)				
Safety devices		Compressor overheating protection/overcurrent/power transistor overheating protection/abnormal high pressure protection				
Diameter cooling/refrigerant pipes	mm (inch)	Liquid side φ12.7 (1/2")				
		Gas side: ø25.4 (1") (ø28.58 (11/8"))	Gas side: φ28.58 (11/8")			
Joining method		Gas side: brazing / Liquid side: flare				
Condensate drain		Drain holes: ø20 × 10pcs., ø45 x 3pcs.				
Piping insulation		Necessary (on both sides, liquid and gas)				
Accessories		-	-	-	-	-

* When connecting the indoor units in the following series: FDK, FDFL, FDFU or FDFW, the power of the connectable indoor units cannot exceed 130%.

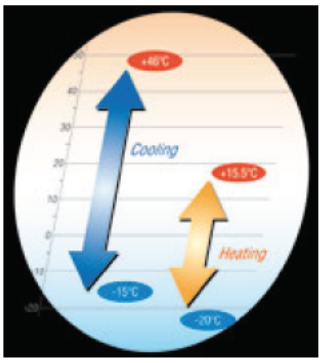
2. EU Regulation No.2281/2016 - - Value measured according to harmonised standard EN14825.
3. Value measured according to harmonised standard EN14511.
4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 2088. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 2088 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

VRF Multi system **KXZ ADVANCED** series



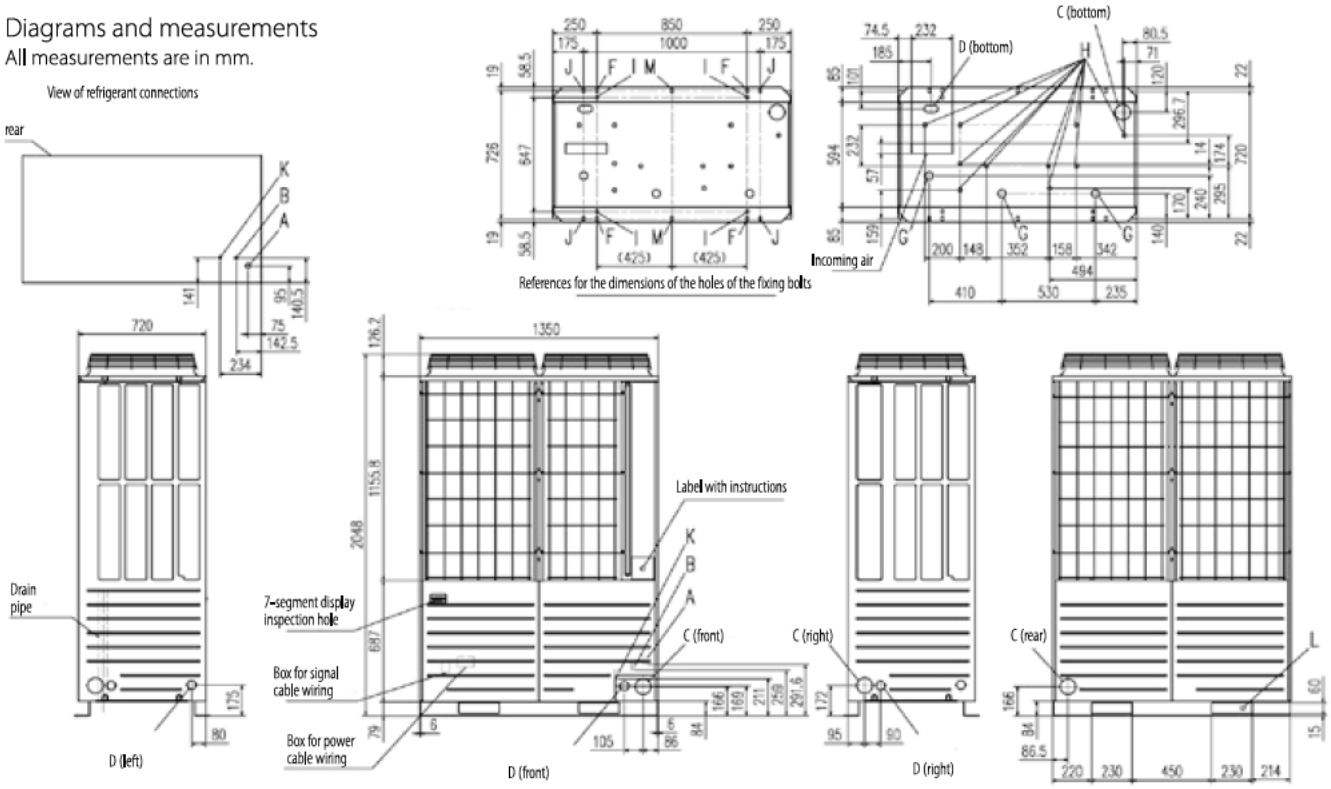
* With difference of length between the farthest indoor unit and the nearest one from the first branch pipe < 40 m (MAX 85 m)
**Comply with installation conditions. For details, refer to the Technical Manual.

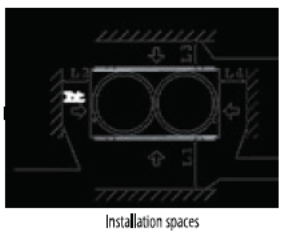
Operating range



Diagrams and measurements

All measurements are in mm.





Installation spaces

Example of installation		
Dimensions	1	2
L1	500	open
L2	10(30)	10(30)
L3	100	100
L4	10(30)	open
H1	1500	open
H2	unlimited	unlimited
H3	1000	unlimited
H4	unlimited	open

Ref.	Item	FDC400KXZE1	FDC450~560KXZE1
A	Gas side pipe fitting	ø 25.4 (1") (brazing)	ø 28.58 (11/8") (brazing)
B	Liquid side pipe fitting	ø 12.7 (1/2") (flare)	
C	Refrigerant pipe outlet	ø 88 (or ø 100)	
D	Power cable inlet	ø 50 (right - left - front), slot 40 x 80 (at bottom)	
F	Fixing bolt hole	M10 x 4 holes	
G	Condensate drain pipe connection	ø 45 x 3 holes	
H	Condensate drain	ø 20 x 10 holes	
K	Refrigerant oil compensation pipe connection	ø 9.52 (3/8") flare	
L	Opening for movement	230 x 60	

Notes:
(1) Secure the unit using anchor bolts
(2) Allow at least 2 m clearance above the unit
(3) The adhesive label with the installation data should be positioned under the front panel (right side)
(4) The inlet openings for the electrical and refrigerant connections are pre-cut (open using a cutter)
(5) For the piping inlet, use the ø 88 hole
(6) Use the fixing holes (M10) indicated with "L" and "J" when replacing an outdoor unit belonging to the old series
(7) Connect the refrigerant oil compensation pipe ("K") when using in combination with the outdoor unit