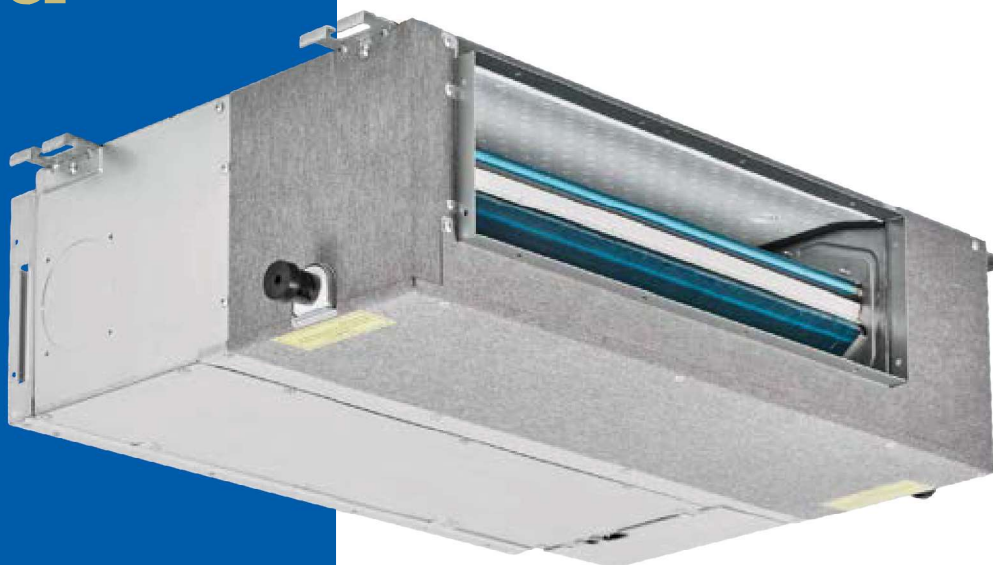


# Ducted



## New fan design

New, enhanced eccentric fan design improves flow of the discharged air which results in higher performance.

## Slim design

Low height of the unit is intended for installation in narrow space above ceiling. Furthermore, there are two possibilities of air intake – from back or from bottom. The way the air is taken in can be adjusted depending on the place of unit installation.

## Functions

### STANDARD

Available with wired remote controller KJR-120C1



Wired remote controller



Static pressure setting



Standard filter



Operation in low ambient temperatures



Alarm port



Remote switch



Fresh air



"Follow me" function



Optional connection of the condensate drain



Refrigerant leakage detection



Sleep mode



Timer

### OPTIONAL



Central controller



Wireless remote controller (RG51A(2)/E)



Economy operation (RG51A(2)/E)



Clean function



LED on/off



WiFi control

## Technical specifications

Set				ZMTI-12HFN8-C1	ZMTI-18HFN8-C1	ZMTI-24HFN8-C1	ZMTI-36HFN8-C1	ZMTI-36HFN8-C3	ZMTI-42HFN8-C1	ZMTI-42HFN8-C3	ZMTI-48HFN8-C3	ZMTI-55HFN8-C3
Indoor unit				DCTS-12R32IVT IN	DCTS-18R32IVT IN	DCTB-24R32IVT IN	DCTB-36R32IVT IN	DCTB-36R32IVT IN	DCTB-42R32IVT IN	DCTB-42R32IVT IN	DCTB-48R32IVT IN	DCTB-55R32IVT IN
Outdoor unit				UNVS-12R32INT OU	UNVS-18R32INT OU	UNVS-24R32INT OU	UNVS-36R32INTS OU	UNVS-36R32INTT OU	UNVS-42R32INTS OU	UNVS-42R32INTT OU	UNVS-48R32INT OU	UNVS-55R32INT OU
Indoor unit power supply [V/phase/Hz]				220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor unit power supply [V/phase/Hz]				220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Version				Reversible heat pump								
Cooling	Capacity	Rated	kW	3.52	5.28	7.03	10.55	10.55	12.02	12.02	14.07	15.24
		Min-Max	kW	0.53-3.99	2.55-5.86	3.28-8.16	2.75-11.14	2.73-11.78	2.93-12.31	2.93-12.31	3.52-15.53	4.10-17.29
	Rated input power		kW	1.05	1.53	2.19	3.95	4.00	4.20	4.30	4.80	5.25
	EER		kW/kW	3.35	3.45	3.21	2.67	2.64	2.86	2.79	2.93	2.90
ErP energy class				A++	A++	A++	A++	A++	A++	A++	A++	A++
Heating	Capacity	Rated	kW	3.81	5.6	7.62	11.72	11.72	13.48	13.48	16.0	18.17
		Min-Max	kW	1.0-4.39	2.2-6.15	2.81-8.49	2.78-12.78	2.78-12.84	3.37-14.07	3.37-14.07	3.7-18.0	4.40-20.52
	Rated input power		kW	1.04	1.51	1.90	3.25	3.25	3.45	3.45	4.26	6.20
	COP		kW/kW	3.66	3.69	4.01	3.61	3.61	3.91	3.91	3.76	2.93
ErP energy class				A+	A+	A+	A+	A+	A+	A+	A	A+
Maximum input current				A	10.0	13.5	13.5	21.5	10.0	21.5	12.0	14.0
Indoor unit	Dimensions (width x depth x height)	mm		700×450×200	880×674×210	1100×774×249	1360×774×249	1360×774×249	1200×874×300	1200×874×300	1200×874×300	1200×874×300
	Transport dimensions (width x depth x height)	mm		860×540×285	1070×725×280	1305×805×315	1570×805×330	1570×805×330	1405×915×365	1405×915×365	1405×915×365	1405×915×365
	Weight (net/gross)	kg		17.8/21.5	24.4/29.6	32.3/39.1	40.5/48.2	40.5/48.2	47.6/55.8	47.6/55.8	47.6/55.8	47.6/56.1
	External static pressure	Pa		25 [0-60]	25 [0-100]	25 [0-160]	37 [0-160]	37 [0-160]	50 [0-160]	50 [0-160]	50 [0-160]	50 [0-160]
	Airflow (low/medium/high)	m³/min		5.0/8.0/10.0	8.59/11.77/15.19	13.75/17.25/20.48	25/30/35	25/30/35	28/34/40	28/34/40	28/34/40	30.3/36.8/43.3
	Sound pressure level (quiet/low/medium/high)	dB(A)		23/29/30.5/34.5	26/34/38/41	27/37/40/42	42/46/48/49.5	42.5/46/48/49.5	43/48/49/51.5	43/48/49/51.5	42/47/49/50	47/49/52.5
	Sound power level	dB(A)		58	58	62	61	61	67	67	66	66
Outdoor unit	Dimensions (width x depth x height)	mm		765×303×555	805×330×554	890×342×673	946×410×810	946×410×810	946×410×810	946×410×810	952×415×1333	952×415×1333
	Transport dimensions (width x depth x height)	mm		887×337×610	915×370×615	995×398×740	1090×500×885	1090×500×885	1090×500×885	1090×500×885	1095×495×1480	1095×495×1480
	Weight (net/gross)	kg		26.6/29	32.5/35.2	43.9/46.9	66.9/71.5	80.5/85	71.0/75.0	80.5/85	103.7/118.3	107.0/121.2
	Airflow	m³/min		36.7	32.5/35.2	58.3	66.9/71.5	66.7	66.7	66.7	125.0	125.0
	Sound pressure level	dB(A)		54	56	60	63	63	63	63	63.5	64
	Sound power level	dB(A)		62	65	69	70	70	72	72	74	75
Refrigerant	Type			R32	R32	R32	R32	R32	R32	R32	R32	R32
	Charged amount	kg		0.72	1.15	1.50	2.40	2.40	2.80	2.80	2.90	3.00
Refrigerant installation	Liquid/gas	mm		Ø6.35 / Ø9.52	Ø6.35 / Ø12.7	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9
	Maximum length	m		25	30	50	75	75	75	75	75	75
	Maximum height difference	m		10	20	25	30	30	30	30	30	30
Condensate drain				mm	Ø25	Ø25	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32
Recommended electrical wiring and protections	Outdoor unit power supply cord	mm²		3×1.5	3×1.5	3×2.5	3×4.0	5×2.5	3×4.0	5×2.5	5×2.5	5×2.5
	Communication cable	mm²		4×1.0								
	Fuse	A		20	20	20	40	20	40	20	25	25
Recommended operating temperature ranges [outdoor]				Cooling	°C							
				Heating	°C							

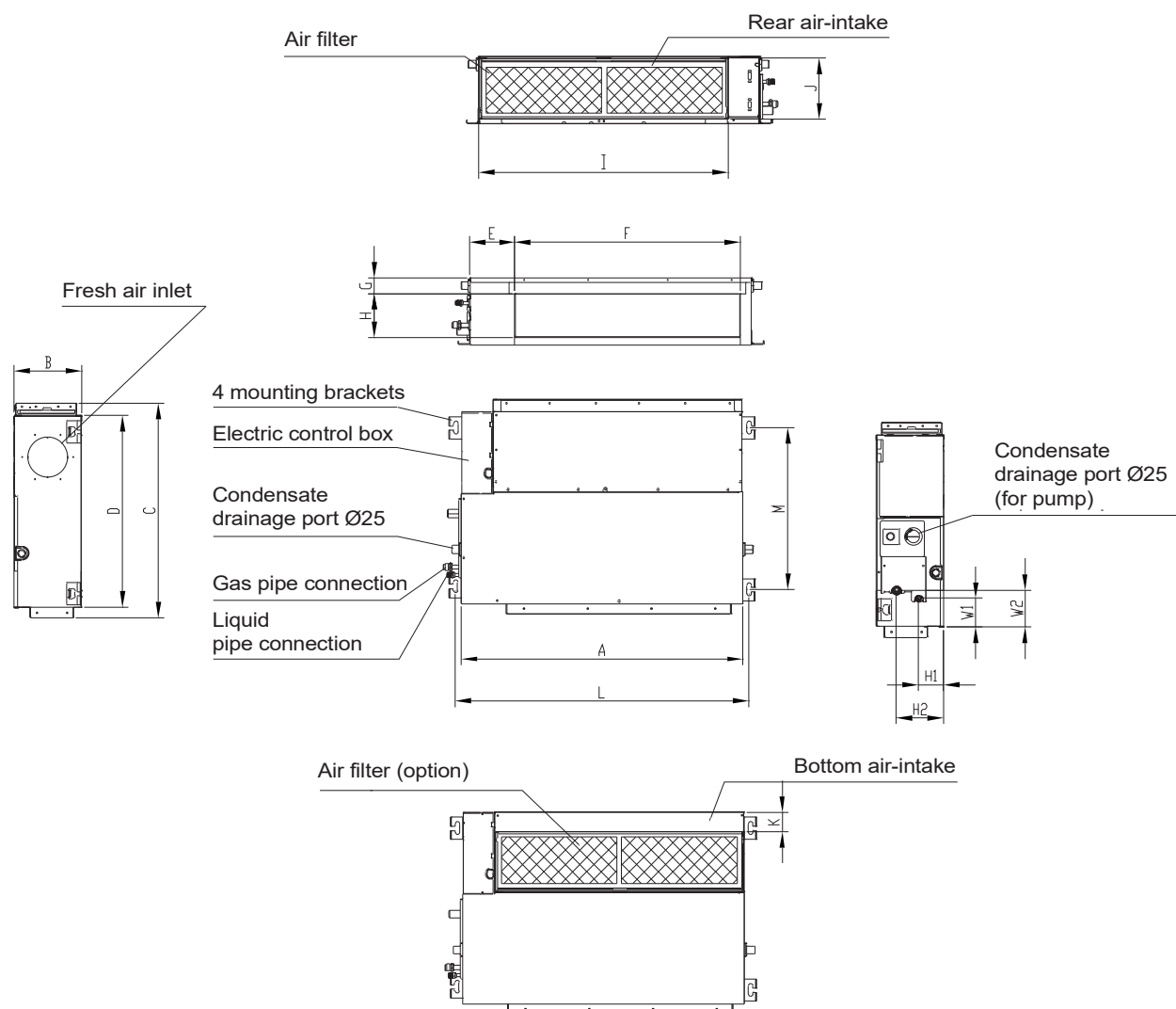
Capacity is based on the following conditions:

Cooling: indoor temperature 27°C DB/19°C WB; outdoor temperature 35°C DB/24°C WB. Heating: indoor temperature 20°C DB/15°C WB; outdoor temperature 7°C DB/6°C WB. Installation length: length of connected pipes is 7.5 m, the height difference is 0. The unit contains fluorinated greenhouse gases (R32 GWP=675). For the proper operation of outdoor units in the heat pump mode, it is necessary to apply a drain pan heater or provide smooth condensate drain in another manner. Choice of the appropriate solution is a matter for installer.

## Accessories

Standard	
KJR-120C1	Individual advanced wired remote controller with weekly schedule
Option	
RG51A(2)/E	Wireless remote controller
KJR-150A	Group remote controller
CCM-180A/WS	Central controller with touch screen and schedule
CCM-30	Basic central controller
CCM-15	Central controller without display. Allows to control from a computer.
WIFI WF-60A1	It allows to control from a Smartphone with NetHome Plus application.

## Indoor units



Model (KBtu/h)	Dimensions (mm)																
	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	H3	H4
12	700	210	506	450	137	537	30	152	599	186	50	741	360	84	140	84	84
18	880	210	674	600	140	706	50	136	782	190	40	920	508	78	148	88	112
24	1100	249	774	700	140	926	50	175	1001	228	5	1140	598	80	150	130	155
30-36	1360	249	774	700	140	1186	50	175	1261	228	5	1400	598	80	150	130	155
42-55	1200	300	874	800	123	1044	50	227	1101	280	5	1240	697	80	150	185	210

