

LIGHT COMMERCIAL

CEILING



FDE 40-60 VH



OPTIONAL

RCN-E-E3
Optional kitSRC 40 ZSX-W1
SRC 50-60 ZSX-W3

*optional

Indoor unit model			FDE 40 VH	FDE 50 VH	FDE 60 VH
Outdoor unit model			SRC 40 ZSX-W1	SRC 50 ZSX-W3	SRC 60 ZSX-W3
Type			DC-Inverter Heat pump		
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	4.00 (1.10~4.70)	5.00 (1.10~4.70)	5.60 (1.10~6.30)
Rated power input (T=+35°C)		kW	1.02	1.43	1.51
Rated energy efficiency coefficient		EER ¹	3.92	3.49	3.71
Rated capacity (T=+7°C)	Heating	kW	4.50 (0.60~5.40)	5.40 (0.60~5.40)	6.70 (0.60~7.10)
Rated power input (T=+7°C)		kW	1.10	1.46	1.86
Rated energy performance coefficient		COP ¹	4.09	3.70	3.60
Seasonal data					
Design load (Pdesignc)	Cooling	kW	4.00	5.00	5.60
Seasonal energy efficiency index		SEER ²	A++	A++	A++
Seasonal energy efficiency class		626/2011 ³	6.46	6.15	6.72
Annual energy consumption	Heating (average climate conditions)	kWh/y	217	285	292
Design load (Pdesignh) @ -10°C		kW	3.00	3.80	4.50
Seasonal energy efficiency index		SCOP ²	4.02	4.07	4.41
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+
Annual energy consumption		kWh/y	1045	1307	1430
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		
Power cable		Type	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²
Wiring cables I.U./O.U.		nb.	4	4	4
Nominal absorbed current	Cooling	A	4.80	6.60	6.90
	Heating	A	5.10	7.00	8.70
Max current		A	15.00	15.00	15.00
Max power input		kW	2.60	2.90	2.90
Refrigerant circuit data					
Refrigerant ⁴	Type (GWP)	R32 (675)			
Refrigerant precharge	Kg	1.30	1.30	1.30	1.30
Tons of CO2 equivalent	t	0.878	0.878	0.878	0.878
Diameter of refrigerant pipings liquid/gas	mm (inch.)	6.35(1/4") - 12.74(1/2")	6.35(1/4") - 12.74(1/2")	6.35(1/4") - 12.74(1/2")	6.35(1/4") - 12.74(1/2")
Max splitting distance	m	30	30	30	30
Max splitting level difference I.U./O.U.	m	20	20	20	20
Max. splitting without additional charge	m	15	15	15	15
Additional charge	g/m	20	20	20	20
Indoor unit specifications					
Dimensions	LxDxH	mm	1070x690x210	1070x690x210	1320x690x210
Net weight		Kg	28	28	33
Sound power level	Max	dB(A)	60	60	60
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	46/38/36/31	46/38/36/31	47/41/37/32
Air flow volume	P-Hi/Hi/Me/Lo	m³/h	780/600/540/420	780/600/540/420	1200/960/780/600
Outdoor unit specifications					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640
Net weight		Kg	45	45	45
Sound power level	Max	dB(A)	63	63	65
Sound pressure level	Max	dB(A)	52	51	53
Air flow volume	Max	m³/h	1980	2340	2490
Operating range (outdoor temperature)	Cooling	°C	-15~+46		
	Heating	°C	-20~+20	-15~24	
Accessories					
Wired control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)				
IR remote control (KIT)	RCN-E-E3				
Optional parts					
Wi-Fi module	INWFIMHI001R100				
Human sensor (KIT)	LB-E				
SUPERLINK interface II	SC-ADNA-E				

1. Value measured according to harmonised standard EN14511. 2. EU Regulation N.206/2012 -- Value measured according to harmonised standard EN14825. 3. Delegated Regulation UE N.626/2011 with regard to energy labelling indicating the energy consumption of air conditioners. 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 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 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.