

LIGHT COMMERCIAL

CEILING



FDE 40~60 VH



OPTIONAL



RCN-E-E3

Optional kit

SRC 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		EER1	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		COP1	4.09	3.70	3.60
Seasonal data					
Design load (Pdesignc)	Cooling	kW	4.00	5.00	5.60
Seasonal energy efficiency index		SEER2	6.46	6.15	6.72
Seasonal energy efficiency class		626/20113	A++	A++	A++
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 performance coefficient		SCOP2	4.02	4.07	4.41
Seasonal energy efficiency (ηs)		%	157.80	159.80	173.40
Seasonal energy efficiency class		626/20113	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 mm2	3 x 4 mm2	3 x 4 mm2
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					
Refrigerant4	Type (GWP)	R32 (675)			
Refrigerant precharge	Kg	1.30	1.30	1.30	
Tons of CO2 equivalent	t	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")	
Max splitting distance	m	30	30	30	
Max splitting level difference I.U./O.U.	m	20	20	20	
Max. splitting without additional charge	m	15	15	15	
Additional charge	g/m	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	INWFIMH1001R100				
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- N.2281/2016 -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.