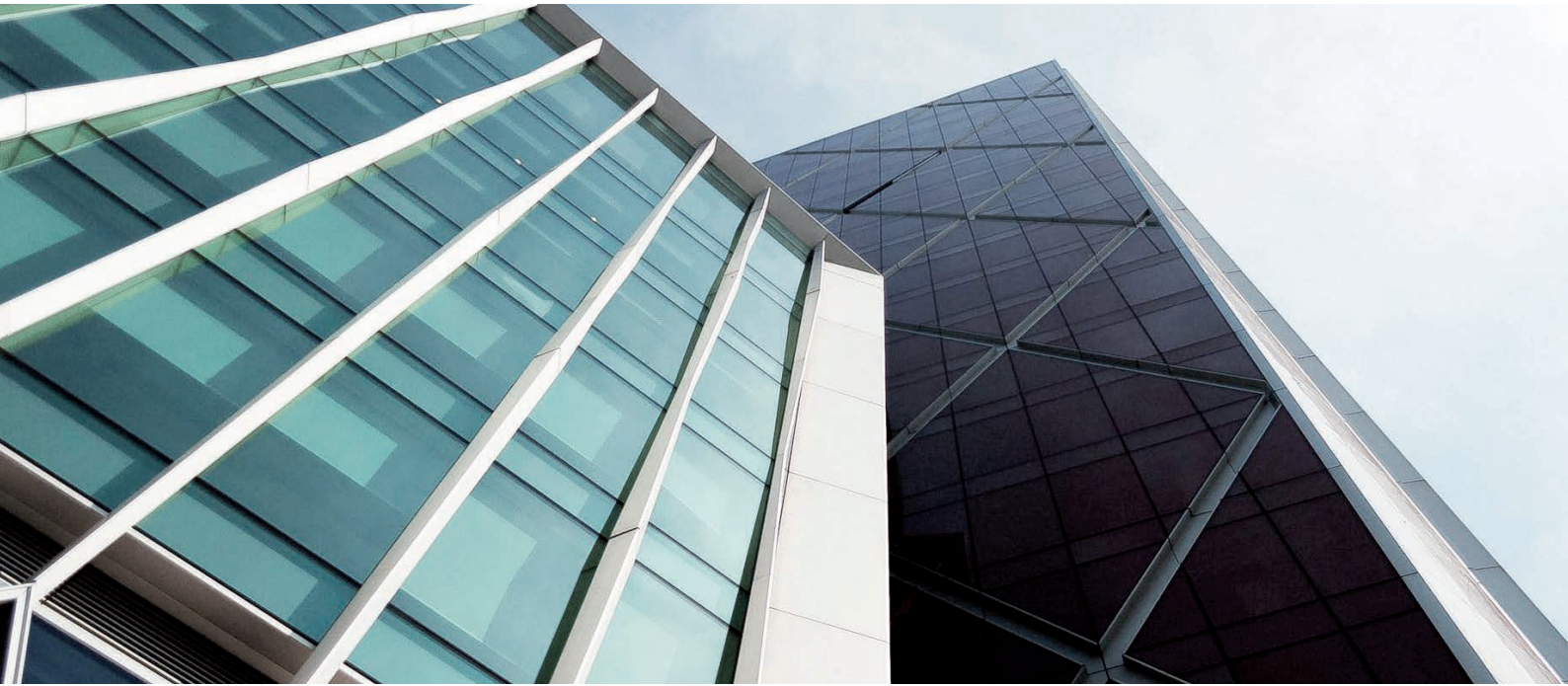


SUPER SERIE

R32



Design flexibility thanks to the small size of the units

Application solutions that meet the installation requirements of both small and medium commercial areas and industrial contexts

- **SEER up to 7.13**
Improved seasonal efficiency
- **SCOP up to 4.60**
Improved seasonal efficiency
- Compact dimensions up to 6HP
- Improved installation flexibility:
height difference I.U.-O.U. 50 m
- Wide availability of indoor units
- New PCB cooling system: a refrigerant pipe branch passes to the base of the PCB to prevent overheating



VNA-W = SINGLE-PHASE;
VSA-W = THREE-PHASE

FDC 100 VNA-W/VSA-W (4HP)
FDC 125 VNA-W/VSA-W (5HP)
FDC 140 VNA-W/VSA-W (6HP)

FDC 200 VSA-W (8HP)
FDC 250 VSA-W (10HP)
FDC 280 VSA-W (12HP)

MONOSPLIT SUPER

Cassette 84x84



OPTIONAL



FDT 100-125-140 VH
Standard white panel
T-PSA-5BW-E

FDT 100-125-140 VH
Anti-draft white panel
T-PSAE-5BW-E

FDT 100-125-140 VH
Standard black panel
T-PSA-5BB-E

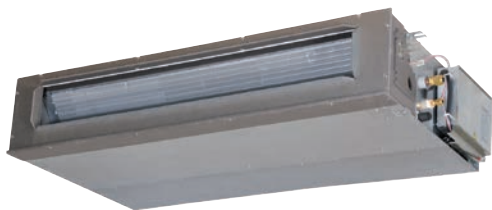
FDT 100-125-140 VH
Black anti-draft pane
T-PSAE-5BB-E

Indoor unit model			FDT 100 VH	FDT 100 VH	FDT 125 VH	FDT 125 VH	FDT 140 VH	FDT 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.73		4.05		4.79	
Rated energy efficiency coefficient		EER ¹	3.66		3.09		2.84	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.54		3.59		4.18	
Rated energy performance coefficient		COP ¹	4.41		3.90		3.71	
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER ²	7.13		6.53		6.17	
Seasonal energy efficiency class		626/2011 ³	A++		-		-	
Annual energy consumption	Heating (average climate conditions)	kWh/a	491		-		-	
Theoretical load (Pdesignh) @-10°C		kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP ²	4.60		4.38		4.42	
Seasonal energy efficiency class		626/2011 ³	A++		-		-	
Annual energy consumption		kWh/a	2590		-		-	
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	13.20	4.20	18.70	6.20	21.50	7.40
	Heating	A	12.40	3.90	16.80	5.50	18.50	6.60
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit								
Refrigerant ⁴		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
Indoor unit specifications								
Dimensions	LxDxH	mm	840x840x298		840x840x298		840x840x298	
Net weight		Kg	25		25		25	
Sound power level	Max	dB(A)	62		64		64	
Sound pressure level (P-Hi/Hi/Mi/Lo)	Cooling	dB(A)	47/39/36/30		48/41/39/31		48/42/39/32	
	Heating		47/39/36/29		48/41/38/31		48/41/38/31	
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	2220/1560/1380/1020		2280/1680/1500/1080		2280/1740/1560/1140	
Outdoor unit specifications								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m ³ /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~-+50		-15~-+50		-15~-+50	
	Heating	°C	-20~-+20		-20~-+20		-20~-+20	
Accessories								
Standard panel			T-PSA-5BW-E (white) / T-PSA-5BB-E (black)					
Dimensions	LxDxH	mm	950x950x35		950x950x35		950x950x35	
Net weight		Kg	5		5		5	
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (corner KIT)			RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)					
Optional parts								
Wi-Fi module			INWFIMH001R000					
Human sensor (corner KIT)			LB-T-5BW-E (white) / LB-T-5BB-E (black)					
SUPERLINK II interface			SC-ADNA-E					
Anti-draft panel			T-PSAF-5BW-F (white) / T-PSAF-5BB-F (black)					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling 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.

MONOSPLIT SUPER

Ducted with medium adjustable head



FDUM 100-125-140 VH

- **max 100**
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**
Height
- **50 m**
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDUM 100 VH	FDUM 100 VH	FDUM 125 VH	FDUM 125 VH	FDUM 140 VH	FDUM 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.99		4.36		5.13	
Rated energy efficiency coefficient		EER ¹	3.35		2.87		2.65	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.66		3.69		4.21	
Rated energy performance coefficient		COP ¹	4.21		3.79		3.68	
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER2	6.11		5.57		5.30	
Seasonal energy efficiency class		626/2011 ³	A++		-		-	
Annual energy consumption	Heating (average climate conditions)	kWh/a	574		-		-	
Theoretical load (Pdesignh) @-10°C		kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP ²	4.19		4.13		4.01	
Seasonal energy efficiency class		626/2011 ³	A+		-		-	
Annual energy consumption		kWh/a	2843		-		-	
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	14.30	4.60	20.40	6.80	23.70	8.10
	Heating	A	12.70	4.10	17.80	5.90	20.30	6.80
Maximum current		A	26.00	17.00	26.00	17.00	27.00	18.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit								
Refrigerant ⁴		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.		O.U. above/O.U. under	m 50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
Indoor unit specifications								
Dimensions	LxDxH	mm	1370x740x280		1370x740x280		1370x740x280	
Net weight		Kg	54		54		54	
Sound power level	Max	dB(A)	65		67		70	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	44/38/36/30		45/40/34/29		47/40/35/30	
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320	
Fan pressure head	Std/Max	Pa	60/100		60/100		60/100	
Outdoor unit specifications								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m ³ /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~-+50					
	Heating	°C	-20~-+20					
Accessories								
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)					
IR remote control (KIT)			RCN-KIT4-E2					
Optional parts								
Wi-Fi module			INWFIMH1001R000					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
Recovery filter (KIT)			UIM-FI 3FF					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling 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.

MONOSPLIT SUPER

Ducted with high adjustable head



FDU 100-125-140 VH

- **max 200**
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**
Height
- **50 m**
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 100 VH	FDU 100 VH	FDU 125 VH	FDU 125 VH	FDU 140 VH	FDU 140 VH	
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W	
Type			DC-Inverter heat pump						
Nominal data									
Rated capacity (T=+35℃)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)		
Rated absorbed power (T=+35℃)		kW	2.99		4.36		5.13		
Rated energy efficiency coefficient		EER ¹	3.35		2.87		2.65		
Rated capacity (T=+7℃)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)		
Rated absorbed power (T=+7℃)		kW	2.66		3.69		4.21		
Rated energy performance coefficient		COP ¹	4.21		3.79		3.68		
Seasonal data									
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60		
Seasonal energy efficiency index		SEER ²	6.11		5.57		5.30		
Seasonal energy efficiency class		626/2011 ³	A++		-		-		
Annual energy consumption	Heating (average climate conditions)	kWh/a	574		-		-		
Theoretical load (Pdesignh) @-10℃		kW	8.50		14.00		15.50		
Seasonal energy efficiency index		SCOP ²	4.19		4.13		4.01		
Seasonal energy efficiency class		626/2011 ³	A+		-		-		
Annual energy consumption		kWh/a	2843		-		-		
Electrical data									
Power supply	Outdoor unit	Ph-V-Hz	1~220~240V-50Hz	3~380~415V-50Hz	1-220~240V-50Hz	3~380~415V-50Hz	1-220~240V-50Hz	3~380~415V-50Hz	
Power cable		Type	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4	
Absorbed current	Cooling	A	14.30	4.60	20.40	6.80	23.70	8.10	
	Heating	A	12.70	4.10	17.80	5.90	20.30	6.80	
Maximum current		A	26.00	17.00	26.00	17.00	27.00	18.00	
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20	
Refrigerant circuit									
Refrigerant ⁴	Type (GWP)	R32 (675)							
Quantity refrigerant pre-load	Kg	3.3			3.3		3.3		
Tons of CO2 equivalent	t	2.228			2.228		2.228		
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52 (3/8") - ø15.88(5/8")			ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		
Max splitting length	m	50			50		50		
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15			50/15		50/15	
Split length without additional charge		m	30			30		30	
Additional load		g/m	54			54		54	
Indoor unit specifications									
Dimensions	LxDxH	mm	1370x740x280		1370x740x280		1370x740x280		
Net weight		Kg	54		54		54		
Sound power level	Max	dB(A)	65		67		70		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	44/38/36/30		45/40/34/29		47/40/35/30		
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320		
Fan pressure head	Std/Max	Pa	60/200		60/200		60/200		
Outdoor unit specifications									
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845		
Net weight		Kg	77	78	77	78	77	78	
Sound power level	Max	dB(A)	70		71		73		
Sound pressure level	Max	dB(A)	55		56		58		
Treated air volume	Max	m ³ /h	4500		4500		4500		
Operating limits (outside temperature)	Cooling	℃	-15~+50						
	Heating	℃	-20~+20						
Accessories									
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)						
IR remote control (KIT)			RCN-KIT4-E2						
Optional parts									
Wi-Fi module			INWFIMH1001R000						
Human sensor (KIT)			LB-KIT2						
SUPERLINK II interface			SC-ADNA-E						

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling 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.

MONOSPLIT SUPER

Ducted with high adjustable head



- **max 200**
Fan pressure head
- Unit with bottom or rear air intake
- **70 m**
Split length (20.00~25.00 kW)
- ESP function: automatic maintenance of the air flow rate as flow resistance varies

FDU 200-250-280 VH

Indoor unit model			FDU 200 VH	FDU 250 VH	FDU 280 VH
Outdoor unit model			FDC 200 VSA-W	FDC 250 VSA-W	FDC 280 VSA-W
Type			DC-Inverter heat pump		
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	20.00 (7.20~22.40)	25.00 (7.20~28.00)	27.00 (6.90~31.50)
Rated absorbed power (T=+35°C)		kW	6.15	8.25	9.15
Rated energy efficiency coefficient		EER ¹	3.25	3.03	2.95
Rated capacity (T=+7°C)	Heating	kW	22.40 (6.50~25.00)	28.00 (6.70~31.50)	30.00 (6.90~33.50)
Rated absorbed power (T=+7°C)		kW	5.67	7.55	9.12
Rated energy performance coefficient		COP ¹	3.95	3.75	3.29
Seasonal data					
Theoretical load (Pdesignc)	Cooling	kW	20.00	25.00	27.00
Seasonal energy efficiency index		SEER ²	5.90	4.89	4.93
Seasonal energy efficiency class		626/2011 ³	-	-	-
Annual energy consumption	Heating (average climate conditions)	kWh/a	-	-	-
Theoretical load (Pdesignh) @-10°C		kW	22.40	28.00	30.00
Seasonal energy efficiency index		SCOP ²	3.55	3.54	3.70
Seasonal energy efficiency class		626/2011 ³	-	-	-
Annual energy consumption		kWh/a	-	-	-
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50Hz		
Power cable		Type	5 x 6 mm ²	5 x 6 mm ²	5 x 6 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4
Absorbed current	Cooling	A	9.80	12.70	14.20
	Heating	A	8.90	11.60	14.00
Maximum current		A	23.00	25.00	25.00
Maximum absorbed power		kW	12.00	11.20	11.40
Refrigerant circuit					
Refrigerant ⁴		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	4.3	5.1	5.6
Tons of CO2 equivalent		t	2.903	3.443	3.780
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø22.2 (7/8") ⁵	ø12.7 (1/2") - ø22.2 (7/8") ⁵	ø12.7 (1/2") - ø22.2 (7/8") ⁵
Max splitting length		m	70	70	60
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15	50/15	50/15
Split length without additional charge		m	30	30	30
Additional load		g/m	Consult the technical manual ⁵		
Indoor unit specifications					
Dimensions	LxDxH	mm	1600x893x379	1600x893x379	1600x893x379
Net weight		Kg	88	88	88
Sound power level	Max	dB(A)	78	78	78
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	52/50/47/45	52/50/47/45	52/50/47/45
Treated air volume	P-Hi/Hi/Me/Lo	m³/h	4800/4320/3840/3360	4800/4320/3840/3360	4800/4320/3840/3360
Fan pressure head	Std/Max	Pa	72/200	72/200	72/200
Outdoor unit specifications					
Dimensions	LxDxH	mm	970x370x1505	970x370x1505	970x370x1505
Net weight		Kg	144	145	155
Sound power level	Max	dB(A)	74	75	77
Sound pressure level	Max	dB(A)	59	62	63
Treated air volume	Max	m³/h	8880	9180	8400
Operating limits (outside temperature)	Cooling	°C	-15~-+50		
	Heating	°C	-20~-+20		
Accessories					
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)		
IR remote control (KIT)			RCN-KIT4-E2		
Optional parts					
Wi-Fi module			INWFIMHI001R000		
Human sensor (KIT)			LB-KIT2		
SUIPFR1 INK II interface			SC-ADNA-F		

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling 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.

MONOSPLIT SUPER

Ceiling



OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **50 m**
Split length
- Versatile installation thanks to drain pipe and refrigerant flexibility
- Polypropylene filter included

FDE 100-125-140 VH

Indoor unit model			FDE 100 VH	FDE 100 VH	FDE 125 VH	FDE 125 VH	FDE 140 VH	FDE 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.85		4.45		5.05	
Rated energy efficiency coefficient		EER1	3.51		2.81		2.69	
Rated capacity (T=+7°C)		kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)	Heating	kW	2.54		3.74		4.18	
Rated energy performance coefficient		COP1	4.41		3.74		3.71	
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER2	6.67		6.03		5.76	
Seasonal energy efficiency class		626/20113	A++		-		-	
Annual energy consumption		kWh/a	525		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP2	4.31		4.30		4.24	
Seasonal energy efficiency class		626/20113	A+		-		-	
Annual energy consumption		kWh/a	2764		-		-	
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1~220~240V-50Hz	3~380~415V-50Hz	1~220~240V-50Hz	3~380~415V-50Hz	1~220~240V-50Hz	3~380~415V-50Hz
Power cable		Type	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	13.80	4.60	20.40	6.90	22.20	7.80
	Heating	A	12.40	4.00	17.50	5.90	18.40	6.50
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit								
Refrigerant ⁴		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.		O.U. above/O.U. under	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
Indoor unit specifications								
Dimensions	LxDxH	mm	1620x690x250		1620x690x250		1620x690x250	
Net weight		Kg	43		43		43	
Sound power level	Max	dB(A)	64		64		65	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	48/43/38/34		48/45/40/35		49/45/40/36	
Treated air volume	P-Hi/Hi/Me/Lo	m ³ /h	1920/1560/1260/990		1920/1740/1380/1020		2040/1740/1380/1080	
Outdoor unit specifications								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m ³ /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~-+50					
	Heating	°C	-20~-+20					
Accessories								
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)			RCN-E-E3					
Optional parts								
Wi-Fi module			INWFIMHIO01R000					
Human sensor (KIT)			LB-E					
SUPERLINK II interface			SC-ADNA-E					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling 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.

MONOSPLIT SUPER

Column



OPTIONAL

FDF 100-125-140 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **50 m**
Split length
- Wide and powerful air flow
- Ease transport and installation
- The wired control has a alarm function in case of gas leakage. The gas sensor is on the base of the unit

Indoor unit model			FDF 100 VH	FDF 100 VH	FDF 125 VH	FDF 125 VH	FDF 140 VH	FDF 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Control (included)			Wired control TOUCH with gas leak alarm					
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	3.08		4.65		5.35	
Rated energy efficiency coefficient		EER1	3.25		2.69		2.54	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.94		4.10		4.98	
Rated energy performance coefficient		COP1	3.81		3.42		3.11	
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER2	5.76		5.28		5.13	
Seasonal energy efficiency class		626/20113	A++		-		-	
Annual energy consumption	Heating (average climate conditions)	kWh/a	608		-		-	
Theoretical load (Pdesignh) @-10°C		kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP2	4.00		3.89		3.92	
Seasonal energy efficiency class		626/20113	A+		-		-	
Annual energy consumption		kWh/a	2973		-		-	
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm²	5 x 4 mm²	3 x 6 mm²	5 x 4 mm²	3 x 6 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	14.90	4.80	21.50	7.20	24.00	8.40
	Heating	A	14.40	4.60	19.20	6.30	22.10	7.90
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit								
Refrigerant ⁴		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
Indoor unit specifications								
Dimensions	LxDxH	mm	600x329x1850		600x329x1850		600x329x1850	
Net weight		Kg	49		49		49	
Sound power level	Max	dB(A)	65		67		67	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	53/51/49/44		55/51/49/44		55/51/49/44	
Treated air volume	P-Hi/Hi/Me/Lo	m³/h	1620/1560/1380/1140		1740/1560/1380/1140		1740/1560/1380/1140	
Refrigerant gas leak detector			Included					
Outdoor unit specifications								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m³/h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
Optional parts								
Wi-Fi module			INWFIMH1001R000					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
IR remote control (KIT)			RCN-KIT4-E2					

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MONOSPLIT SUPER

Wall



INCLUDED

SRK 100 ZR-WF

- **339 mm**
Height
- **50 m**
Split length
- **27 dB(A)**
Sound power level, maximum quiet
- Antibacterial treatment on fan
- The powerful air flow is realized with Jet technology
- Ideal for large living rooms and shops
- Equipped with dust and photocatalytic filters

Indoor unit model			SRK 100 ZR-WF		SRK 100 ZR-WF	
Outdoor unit model			FDC 100 VNA-W		FDC 100 VSA-W	
Type			DC-Inverter heat pump			
Control (included)			Remote control			
Nominal data						
Rated capacity (T=+35°C)		Cooling	kW	10.00 (4.00~11.20)		
Rated absorbed power (T=+35°C)			kW	3.19		
Rated energy efficiency coefficient			EER1	3.13		
Rated capacity (T=+7°C)		Heating	kW	11.20 (4.00~12.50)		
Rated absorbed power (T=+7°C)			kW	3.04		
Rated energy performance coefficient			COP1	3.68		
Seasonal data						
Theoretical load (Pdesignc)		Cooling	kW	10.00		
Seasonal energy efficiency index			SEER2	6.13		
Seasonal energy efficiency class			626/20113	A++		
Annual energy consumption		Heating (average climate conditions)	kWh/a	571		
Theoretical load (Pdesignh) @-10°C			kW	8.50		
Seasonal energy efficiency index			SCOP2	4.33		
Seasonal energy efficiency class			626/20113	A+		
Annual energy consumption			kWh/a	2746		
Electrical data						
Power supply		Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz
Power cable			Type	3 x 6 mm ²		5 x 4 mm ²
Connection wires between I.U. and O.U.			no.	4		4
Absorbed current		Cooling	A	14.30		4.80
		Heating	A	13.60		4.60
Maximum current			A	24.00		15.00
Maximum absorbed power			kW	6.40		10.20
Refrigerant circuit						
Refrigerant ⁴		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	3.3			
Tons of CO2 equivalent		t	2.228			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")			
Max splitting length		m	50			
Max height difference I.U./O.U.		O.U. above/O.U. under	m	50/15		
Split length without additional charge			m	30		
Additional load			g/m	54		
Indoor unit specifications						
Dimensions		LxDxH	mm	1197x262x339		
Net weight			Kg	16.5		
Sound power level		Max	dB(A)	63		
Sound pressure level (Hi/Mi/Lo/U/Lo)		Cooling	dB(A)	48/45/40/27		
		Heating		48/43/38/30		
Treated air volume (Hi/Mi/Lo/U/Lo)		Cooling	m ³ /h	1470/1278/1056/624		
		Heating		1650/1392/1146/816		
Outdoor unit specifications						
Dimensions		LxDxH	mm	970x370x845		
Net weight			Kg	77		78
Sound power level		Max	dB(A)	70		
Sound pressure level		Max	dB(A)	55		
Treated air volume		Max	m ³ /h	4500		
Operating limits (outside temperature)		Cooling	°C	-15~+50		
		Heating	°C	-20~+20		
Optional parts						
Wi-Fi module			Included			
Interface for home automation connection and wired control ⁵			SC-BIKN2-E			

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