

SMART SERIES



Performance intelligence in compact dimensions

■ **4 capacities**

1-Phase 3~5HP = 7.10~12.10 kW

- Refrigerant pipe diameter, weight and overall dimensions extremely reduced compared to the 7.10 and 10.00 kW outdoor units of the Super line



FDC 71 VNP-W (3HP)



FDC 90 VNP-W (3,5HP)
FDC 100 VNP-W (4HP)



FDC 125 VNP-W (5HP)

MONOSPLIT SMART

CASSETTE 84X84

R32



FDT 71-100-125 VH
Standard white panel
T-PSA-5BW-E

FDT 71-100-125 VH
Anti-draft white panel
T-PSAE-5BW-E

FDT 71-100-125 VH
Standard black panel
T-PSA-5BB-E

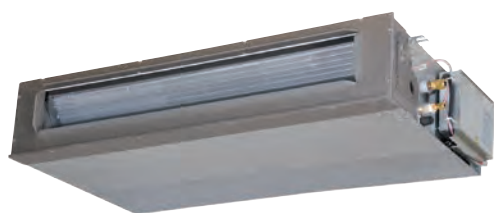
FDT 71-100-125 VH
Black anti-draft panel
T-PSAE-5BB-E

Indoor unit model		FDT 71 VH		FDT 100 VH		FDT 100 VH		FDT 125 VH	
Outdoor unit model		FDC 71 VNP-W		FDC 90 VNP-W		FDC 100 VNP-W		FDC 125 VNP-W	
Type		DC-Inverter heat pump							
Nominal data									
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)			
Rated power input (T=+35°C)		kW	2.31	2.48	2.84	3.69			
Rated energy efficiency coefficient		EER ¹	3.07	3.63	3.52	3.28			
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)			
Rated power input (T=+7°C)		kW	1.73	1.90	2.33	3.20			
Rated energy performance coefficient		COP ¹	4.10	4.74	4.29	3.78			
Seasonal data									
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10			
Seasonal energy efficiency index		SEER ²	6.34	7.10	7.08	6.30			
Seasonal energy efficiency class		626/2011 ³	A++	A++	A++	-			
Annual energy consumption		kWh/y	393	444	495	-			
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10			
Seasonal energy efficiency index		SCOP ²	4.38	4.56	4.53	4.19			
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+	-			
Annual energy consumption		kWh/y	1822	1842	1977	-			
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	3 x 4 mm ²			
Connection wires between I.U. and O.U.		nb.	4	4	4	4			
Nominal absorbed current	Cooling	A	10.20	11.00	12.10	15.50			
	Heating	A	7.80	8.40	9.90	13.50			
Maximum current		A	15.80	19.00	19.00	18.00			
Max power input		kW	3.58	4.46	4.46	4.75			
Refrigerant circuit data									
Refrigerant ⁴		Type (GWP)	R32 (675)						
Quantity of refrigerant pre-charge		Kg	1.3	1.7	1.7	2.25			
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519			
Diameter of refrigerant pipings liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88(5/8")			
Max splitting distance		m	30	30	30	30			
Splitting level difference I.U./O.U.		m	20	20	20	20			
Splitting distance without additional charge		m	15	15	15	15			
Additional charge		g/m	20	20	20	54			
Indoor unit specifications									
Dimensions	LxDxH	mm	840x840x236	840x840x298	840x840x298	840x840x298			
Net weight		Kg	21	25	25	25			
Sound power level	Max	dB(A)	60	62	62	64			
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	46/34/31/26	47/39/36/30	47/39/36/30	48/41/39/31			
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1680/1080/900/720	2220/1560/1380/1020	2220/1560/1380/1020	2280/1680/1500/1080			
Outdoor unit specifications									
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845			
Net weight		Kg	45	57	57	73			
Sound power level	Max	dB(A)	67	67	68	73			
Sound pressure level	Max	dB(A)	54	55	56	57			
Volume of air treated	Max	m ³ /h	2520	3540	3780	4740			
Operating range (outdoor temperature)	Cooling	°C	-15~+46						
	Heating	°C	-15~+20						
Accessories									
Decorative panel				T-PSA-5BW-E (white) / T-PSA-5BB-E (black)					
Panel size	LxDxH	mm	950x950x35	950x950x35	950x950x35	950x950x35			
Net weight		Kg	5	5	5	5			
Wired control	RC-ES (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	INWFIMH1001R100								
Human sensor (corner KIT)	LB-T-5BW-E (white) / LB-T-5BB-E (black)								
SUPERLINK II interface	SC-ADNA-E								
Anti-draft panel	T-PSAE-5BW-E (white) / T-PSAE-5BB-E (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 SMART

DUCTED MEDIUM STATIC PRESSURE ADJUSTABLE



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

FDUM 71-100-125 VH

Indoor unit model			FDUM 71 VH	FDUM 100 VH	FDUM 100 VH	FDUM 125 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W
Type			DC-Inverter heat pump			
Nominal data						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)
Rated power input (T=+35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER ¹	2.73	3.44	3.25	3.14
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)
Rated power input (T=+7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP ¹	3.76	4.55	4.08	3.69
Seasonal data						
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER ²	5.86	6.65	6.11	5.42
Seasonal energy efficiency class		626/2011 ³	A+	A++	A++	-
Annual energy consumption		kWh/y	425	474	573	-
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10
Seasonal energy efficiency index		SCOP ²	4.12	4.22	4.13	3.94
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+	-
Annual energy consumption		kWh/y	1937	1990	2169	-
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	3 x 4 mm ²
Connection wires between I.U. and O.U.		nb.	4	4	4	4
Nominal absorbed current	Cooling	A	11.50	11.60	13.10	16.20
	Heating	A	8.50	8.80	10.40	13.80
Maximum current		A	15.80	19.00	19.00	20.00
Max power input		kW	3.58	4.46	4.46	4.75
Refrigerant circuit data						
Refrigerant ⁴		Type (GWP)	R32 (675)			
Quantity of refrigerant pre-charge		Kg	1.3	1.7	1.7	2.25
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519
Diameter of refrigerant pipings liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88 (5/8")
Max splitting distance		m	30	30	30	30
Splitting level difference I.U./O.U.		m	20	20	20	20
Splitting distance without additional charge		m	15	15	15	15
Additional charge		g/m	20	20	20	54
Indoor unit specifications						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	65	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200
Fan static pressure	Std/Max	Pa	35/100	60/100	60/100	60/100
Outdoor unit specifications						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Volume of air treated	Max	m ³ /h	42	59	63	4740
Operating range (outdoor temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
Accessories						
Wired control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
Optional parts						
Wi-Fi module			INWFIMH1001R100			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			
Recovery filter (KIT)			UM-FL2EF		UM-FL3EF	

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MONOSPLIT SMART

DUCTED HIGH STATIC PRESSURE ADJUSTABLE



FDU 71-100-125 VH

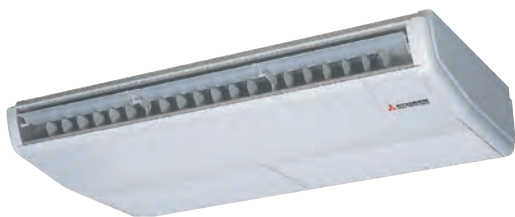
- **max 200**
Fan static pressure
- Unit with bottom or rear air intake
- **280 mm**
Height
- **30 m**
Splitting distance
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model	FDU 71 VH		FDU 100 VH		FDU 100 VH		FDU 125 VH	
Outdoor unit model	FDC 71 VNP-W		FDC 90 VNP-W		FDC 100 VNP-W		FDC 125 VNP-W	
Type	DC-Inverter heat pump							
Nominal data								
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)		
Rated power input (T=+35°C)		kW	2.60	2.62	3.08	3.85		
Rated energy efficiency coefficient		EER ¹	2.73	3.44	3.25	3.14		
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)		
Rated power input (T=+7°C)		kW	1.89	1.98	2.45	3.28		
Rated energy performance coefficient		COP ¹	3.76	4.55	4.08	3.69		
Seasonal data								
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10		
Seasonal energy efficiency index		SEER ²	5.86	6.66	6.11	5.42		
Seasonal energy efficiency class		626/2011 ³	A+	A++	A++	-		
Annual energy consumption		kWh/y	425	474	573	-		
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10		
Seasonal energy efficiency index		SCOP ²	4.12	4.22	4.13	3.94		
Seasonal energy efficiency class		626/2011 ³	A+	A+	A+	-		
Annual energy consumption		kWh/y	1937	1990	2169	-		
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	3 x 4 mm ²		
Connection wires between I.U. and O.U.		nb.	4	4	4	4		
Nominal absorbed current	Cooling	A	11.50	11.60	13.10	16.20		
	Heating	A	8.50	8.80	10.40	13.80		
Maximum current		A	15.80	19.00	19.00	20.00		
Max power input		kW	3.58	4.46	4.46	4.75		
Refrigerant circuit data								
Refrigerant ⁴		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	1.3	1.7	1.7	2.25		
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519		
Diameter of refrigerant pipings liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88 (5/8")		
Max splitting distance		m	30	30	30	30		
Splitting level difference I.U./O.U.		m	20	20	20	20		
Splitting distance without additional charge		m	15	15	15	15		
Additional charge		g/m	20	20	20	54		
Indoor unit specifications								
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280		
Net weight		Kg	34	54	54	54		
Sound power level	Max	dB(A)	65	65	65	67		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29		
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200		
Fan static pressure	Std/Max	Pa	35/200	60/200	60/200	60/200		
Outdoor unit specifications								
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845		
Net weight		Kg	45	57	57	73		
Sound power level	Max	dB(A)	67	67	68	73		
Sound pressure level	Max	dB(A)	54	55	56	57		
Volume of air treated	Max	m ³ /h	2520	3540	3780	4740		
Operating range (outdoor temperature)	Cooling	°C	-15~+46					
	Heating	°C	-15~+20					
Accessories								
Wired control	RC-E5 (LCD) / RC-EX3A (touch) / RC-EX3A (touch + zone control) / RCH-E3 (simplified)							
IR remote control (KIT)	RCN-KIT4-E2							
Optional parts								
Wi-Fi module	INWFIMH1001R100							
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 SMART

CEILING



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

FDE 71-100-125 VH

FLEXIBLE PIPE ORIENTATION

Maximum flexibility: the refrigerant piping can be attached in 3 different positions (rear, top, right), as can that of the condensate drain (left, right).

Indoor unit model		FDE 71 VH	FDE 100 VH	FDE 100 VH	FDE 125 VH	
Outdoor unit model		FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W	
Type		DC-Inverter heat pump				
Nominal data						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)
		kW	2.41	2.38	3.00	3.88
		EER ¹	2.95	3.78	3.33	3.12
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)
		kW	1.96	1.99	2.36	3.30
		COP ¹	3.62	4.52	4.24	3.30
Seasonal data						
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
		SEER ²	6.44	6.78	6.63	5.88
		626/2011 ³	A++	A++	A++	-
Annual energy consumption		kWh/y	386	465	529	-
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	5.80	6.00	12.10
		SCOP ²	4.32	4.46	4.24	4.13
		626/2011 ³	A+	A+	A+	-
Annual energy consumption		kWh/y	1849	1920	1984	-
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	3 x 4 mm ²
Connection wires between I.U. and O.U.		nb.	4	4	4	4
Nominal absorbed current	Cooling	A	10.90	10.60	12.80	16.30
	Heating	A	8.80	8.80	10.10	13.90
Maximum current		A	15.80	19.00	19.00	18.00
Max power input		kW	3.58	4.46	4.46	4.75
Refrigerant circuit data						
Refrigerant ⁴	Type (GWP)	R32 (675)				
Quantity of refrigerant pre-charge	Kg	1.3	1.7	1.7	2.25	
Tons of CO ₂ equivalent	t	0.878	1.148	1.148	1.519	
Diameter of refrigerant pipings liquid/gas	mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88 (5/8")	
Max splitting distance	m	30	30	30	30	
Splitting level difference I.U./O.U.	m	20	20	20	20	
Splitting distance without additional charge	m	15	15	15	15	
Additional charge	g/m	20	20	20	54	
Indoor unit specifications						
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250	1620x690x250
Net weight		Kg	33	43	43	43
Sound power level	Max	dB(A)	60	64	64	64
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	47/41/37/32	48/43/38/34	48/43/38/34	48/45/40/35
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1200/960/780/600	1920/1560/1260/990	1920/1560/1260/990	1920/1740/1380/1020
Outdoor unit specifications						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Volume of air treated	Max	m ³ /h	2520	3540	3780	4740
Operating range (outdoor temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
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 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 SMART

COLUMN



FDF 71-100 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **25 m** Splitting distance
- Wide and powerful air flow
- Easy 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 71 VH		FDF 100 VH		FDF 100 VH	
Outdoor unit model		FDC 71 VNP-W		FDC 90 VNP-W		FDC 100 VNP-W	
Type		DC-Inverter heat pump					
Control (included)		Wired control TOUCH with gas leak alarm					
Nominal data							
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)		
Rated power input (T=+35°C)		kW	2.51	2.5	3.39		
Rated energy efficiency coefficient		EER1	2.82	3.60	2.95		
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)		
Rated power input (T=+7°C)		kW	2.02	2.24	2.71		
Rated energy performance coefficient		COP1	3.51	4.02	3.69		
Seasonal data							
Design load (Pdesignc)	Cooling	kW	7.10	9.00	10.00		
Seasonal energy efficiency index		SEER2	5.85	5.91	5.43		
Seasonal energy efficiency class		626/20113	A+	A+	A		
Annual energy consumption		kWh/y	425	535	645		
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40		
Seasonal energy efficiency index		SCOP2	3.91	4.24	3.94		
Seasonal energy efficiency class		626/20113	A	A+	A		
Annual energy consumption		kWh/y	2039	1981	2274		
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		
Connection wires between I.U. and O.U.		nb.	4	4	4		
Nominal absorbed current	Cooling	A	11.10	11.10	15.00		
	Heating	A	9.10	9.90	12.00		
Maximum current		A	15.80	19.00	19.00		
Max power input		kW	3.58	4.46	4.46		
Refrigerant circuit data							
Refrigerant ⁴	Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge	Kg	1.3	1.7	1.7			
Tons of CO2 equivalent	t	0.878	1.148	1.148			
Diameter of refrigerant pipings liquid/gas	mm (inches)	ø6.35(1/4") - ø12.7(1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")			
Max splitting distance	m	26	25	25			
Splitting level difference I.U./O.U.	m	20	20	20			
Splitting distance without additional charge	m	11	10	10			
Additional charge	g/m	20	20	20			
Indoor unit specifications							
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	600x329x1850		
Net weight		Kg	47	49	49		
Sound power level	Max	dB(A)	55	65	65		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	53/51/49/44		
Volume of air treated	P-Hi/Hi/Me/Lo	m ³ /h	1080/960/840/720	1620/1560/1380/1140	1620/1560/1380/1140		
Refrigerant gas leak detector				Included			
Outdoor unit specifications							
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750		
Net weight		Kg	45	57	57		
Sound power level	Max	dB(A)	67	67	68		
Sound pressure level	Max	dB(A)	54	55	56		
Volume of air treated	Max	m ³ /h	2520	3540	3780		
Operating range (outdoor temperature)	Cooling	°C		-15~+46			
	Heating	°C		-15~+20			
Optional parts							
Wi-Fi module				INWFMH1001R100			
Human sensor (KIT)				LB-KIT2			
SUPERLINK II interface				SC-ADNA-E			
IR remote control (KIT)				RCN-KIT4-E2			

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 SMART

WALL



SRK 71-100 ZR-WF

- **339 mm**
Height
- **30 m**
Splitting distance
- **25 dB(A)**
Sound power level (7.10 kW),
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 71 ZR-WF		SRK 100 ZR-WF	
Outdoor unit model		FDC 71 VNP-W		FDC 100 VNP-W	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.60 (2.10~9.60)	
Rated power input (T=+35°C)		kW	2.36	3.10	
Rated energy efficiency coefficient		EER1	3.01	3.10	
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	10.00 (1.70~10.40)	
Rated power input (T=+7°C)		kW	1.88	2.80	
Rated energy performance coefficient		COP1	3.78	3.57	
Seasonal data					
Design load (Pdesignc)	Cooling	kW	7.10	9.60	
Seasonal energy efficiency index		SEER2	6.75	6.11	
Seasonal energy efficiency class		626/20113	A++	A++	
Annual energy consumption		kWh/y	369	551	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.70	6.00	
Seasonal energy efficiency index		SCOP2	4.55	4.14	
Seasonal energy efficiency class		626/20113	A+	A+	
Annual energy consumption		kWh/y	1756	2028	
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	
Connection wires between I.U. and O.U.		nb.	4	4	
Nominal absorbed current	Cooling	A	10.50	13.20	
	Heating	A	8.40	11.90	
Maximum current		A	15.80	19.00	
Max power input		kW	3.58	4.46	
Refrigerant circuit data					
Refrigerant ⁴	Type (GWP)	R32 (675)			
Quantity of refrigerant pre-charge	Kg	1.3	1.7		
Tons of CO ₂ equivalent	t	0.878	1.148		
Diameter of refrigerant pipings liquid/gas	mm (inches)	ø6.35(1/4") - ø12.7(1/2")	ø6.35 (1/4") - ø15.88 (5/8")		
Max splitting distance	m	30	30		
Splitting level difference I.U./O.U.	m	20	20		
Splitting distance without additional charge	m	15	15		
Additional charge	g/m	20	20		
Indoor unit specifications					
Dimensions	LxDxH	mm	1197x262x339	1197x262x339	
Net weight		Kg	15.5	16.5	
Sound power level	Max	dB(A)	60	63	
Sound pressure level (Hi/Mi/Lo/Ulo)	Cooling	dB(A)	44/41/37/25	48/45/40/27	
	Heating		46/39/35/28	48/43/38/30	
Volume of air treated (Hi/Mi/Lo/Ulo)	Cooling	m ³ /h	1230/1116/972/624	1470/1278/1056/624	
	Heating		1500/1188/1038/798	1650/1392/1146/816	
Outdoor unit specifications					
Dimensions	LxDxH	mm	800(+71)x290x640	880(+88)x340x750	
Net weight		Kg	45	57	
Sound power level	Max	dB(A)	67	68	
Sound pressure level	Max	dB(A)	54	56	
Volume of air treated	Max	m ³ /h	2520	3780	
Operating range (outdoor temperature)	Cooling	°C	-15~+46		
	Heating	°C	-15~+20		
Optional parts					
Wi-Fi module					Included
Interface for home automation connection and wired control ⁵					SC-BIKN2-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. 5. Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.