R32

SUPER SERIES

COMMERCIAL MONO & MULTI

Design flexibility thanks to the small dimensions of the machines

Application solutions that meet the installation needs of both small and medium commercial spaces and industrial contexts

- **SEER up to 7.13**
  Better seasonal efficiency
- **SCOP up to 4.60**
  Better seasonal efficiency
- Compact dimensions up to 6HP
- Better installation flexibility:
  splitting level difference I.U.-O.U. 50 m
- Wide availability of indoor units
- New PCB cooling system: a branch of the cooling circuit is passed to the base of the electronic board to avoid overheating

BLUE FIN

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

BLUE FIN

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

VNA-W = 1-PHASE
VSA-W= 3-PHASE

MONOSPLIT SUPER

CASSETTE 84X84 R32

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 panel
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 power input (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 power input (T=+7°C)		kW	2.54		3.59		4.18	
Rated energy performance coefficient		COP[1]	4.41		3.90		3.71	
Seasonal data								
Design 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		kWh/y	491		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	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/y	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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings 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")	
Splitting distance	Min/Max	m	50		50		50	
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		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	
Volume of air treated	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	
Volume of air treated	Max	m^3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50		-15~+50		-15~+50	
	Heating	°C	-20~+20		-20~+20		-20~+20	
Accessories								
Decorative panel			T-PSA-5BW-E (white) / T-PSA-5BB-E (black)					
Panel size	LxDxH	mm	950x950x35		950x950x35		950x950x35	
Net weight		Kg	5		5		5	
Wired 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			INWFIMHI001R100					
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.

MITSUBISHI HEAVY INDUSTRIES

MONOSPLIT SUPER

DUCTED MEDIUM STATIC PRESSURE ADJUSTABLE R32

FDUM 100-125-140 VH

OPTIONAL

- **max 100**
  Fan static pressure
- Unit with bottom or rear air intake
- **280 mm**
  Height
- **50 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			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 power input (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 power input (T=+7°C)		kW	2.66		3.69		4.21	
Rated energy performance coefficient		COP[1]	4.21		3.79		3.68	
Seasonal data								
Design 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		kWh/y	574		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	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/y	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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings 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")	
Splitting distance		m	50		50		50	
Splitting level difference I.U./O.U.	O.U: above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		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	
Volume of air treated	P-Hi/Hi/Me/Lo	m^3/h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320	
Fan static pressure	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	
Volume of air treated	Max	m^3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+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			INWFIMHI001R100					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
Recovery filter (KIT)			UM-FL3EF					

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 HIGH STATIC PRESSURE ADJUSTABLE R32

FDU 100-125-140 VH

OPTIONAL

- **max 200**
  Fan static pressure
- Unit with bottom or rear air intake
- **280 mm**
  Height
- **50 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 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°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated power input (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 power input (T=+7°C)		kW	2.66		3.69		4.21	
Rated energy performance coefficient		COP[1]	4.21		3.79		3.68	
Seasonal data								
Design 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		kWh/y	574		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	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/y	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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings 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")	
Splitting distance		m	50		50		50	
Splitting level difference I.U./O.U.	O.U: above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		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	
Volume of air treated	P-Hi/Hi/Me/Lo	m^3/h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320	
Fan static pressure	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	
Volume of air treated	Max	m^3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+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			INWFIMHI001R100					
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.

MITSUBISHI HEAVY INDUSTRIES

MONOSPLIT SUPER

DUCTED HIGH STATIC PRESSURE ADJUSTABLE

OPTIONAL

- **max 200**
  Fan static pressure
- Unit with bottom or rear air intake
- **70 m**
  Splitting distance (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 power input (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 power input (T=+7°C)		kW	5.67	7.55	9.12
Rated energy performance coefficient		COP[1]	3.95	3.75	3.29
Seasonal data					
Design 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		kWh/y	-	-	-
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	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/y	-	-	-
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.		nb.	4	4	4
Nominal 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
Max power input		kW	12.00	11.20	11.40
Refrigerant circuit data					
Refrigerant[4]		Type (GWP)	R32 (675)		
Quantity of refrigerant pre-charge		Kg	4.3	5.1	5.6
Tons of CO2 equivalent		t	2.903	3.443	3.780
Diameter of refrigerant pipings 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]
Splitting distance		m	70	70	60
Splitting level difference I.U./O.U.	O.U: above/O.U. below	m	50/15	50/15	50/15
Splitting distance without additional charge		m	30	30	30
Additional charge		g/m	Consultare il manuale tecnico[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
Volume of air treated	P-Hi/Hi/Me/Lo	m3/h	4800/4320/3840/3360	4800/4320/3840/3360	4800/4320/3840/3360
Fan static pressure	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
Volume of air treated	Max	m3/h	8880	9180	8400
Operating range (outdoor temperature)	Cooling	°C	-15~+50		
	Heating	°C	-20~+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			INWFIMHI001R100		
Human sensor (KIT)			LB-KIT2		
SUPERLINK II interface			SC-ADNA-E		

1. Valore misurato secondo la norma armonizzata EN14511. 2. Regolamento UE N.206/2012 - - Valore misurato secondo la norma armonizzata EN14825. 3. Regolamento Delegato UE N.626/2011 relativo alla nuova etichettatura indicante il consumo di energia dei condizionatori d'aria. 4. La perdita di refrigerante contribuisce al cambiamento climatico. In caso di rilascio nell'atmosfera, i refrigeranti con un potenziale di riscaldamento globale (GWP) più basso contribuiscono in misura minore al riscaldamento globale rispetto a quelli con un GWP più elevato. Questo apparecchio contiene un fluido refrigerante con un GWP di 675. Se 1 kg di questo fluido refrigerante fosse rilasciato nell'atmosfera, quindi, l'impatto sul riscaldamento globale sarebbe 675 volte più elevato rispetto a 1 kg di CO2, per un periodo di 100 anni. In nessun caso l'utente deve cercare di intervenire sul circuito refrigerante o di disassemblare il prodotto. In caso di necessità occorre sempre rivolgersi a personale qualificato. 5. Il diametro delle tubazioni e la carica aggiuntiva di refrigerante, cambiano in funzione della lunghezza di splittaggio. Per dettagli consultare il manuale tecnico.

MONOSPLIT SUPER

CEILING R32

OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **50 m**
  Splitting distance
- 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 power input (T=+35°C)		kW	2.85		4.45		5.05	
Rated energy efficiency coefficient		EER[1]	3.51		2.81		2.69	
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 power input (T=+7°C)		kW	2.54		3.74		4.18	
Rated energy performance coefficient		COP[1]	4.41		3.74		3.71	
Seasonal data								
Design load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER[2]	6.67		6.03		5.76	
Seasonal energy efficiency class		626/2011[3]	A++		-		-	
Annual energy consumption		kWh/y	525		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP[2]	4.31		4.30		4.24	
Seasonal energy efficiency class		626/2011[3]	A+		-		-	
Annual energy consumption		kWh/y	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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10,20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings 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")	
Splitting distance		m	50		50		50	
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		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	
Volume of air treated	P-Hi/Hi/Me/Lo	m3/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	
Volume of air treated	Max	m3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+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			INWFIMHI001R100					
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.

MITSUBISHI HEAVY INDUSTRIES

MONOSPLIT SUPER

COLUMN R32

FDF 100-125-140 VH

OPTIONAL

- Ideal for restaurants, shops and officies applications, without false ceiling or high ceilings
- **50 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 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 power input (T=+35°C)		kW	3.08		4.65		5.35	
Rated energy efficiency coefficient		EER[1]	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 power input (T=+7°C)		kW	2.94		4.10		4.98	
Rated energy performance coefficient		COP[1]	3.81		3.42		3.11	
Seasonal data								
Design load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER[2]	5.76		5.28		5.13	
Seasonal energy efficiency class		626/2011[3]	A++		-		-	
Annual energy consumption		kWh/y	608		-		-	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP[2]	4.00		3.89		3.92	
Seasonal energy efficiency class		626/2011[3]	A+		-		-	
Annual energy consumption		kWh/y	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 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.		nb.	4	4	4	4	4	4
Nominal 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
Max power input		kW	6.40	10.20	6.40	10.20	6.40	10.20
Refrigerant circuit data								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity of refrigerant pre-charge		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant pipings 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")	
Splitting distance		m	50		50		50	
Splitting level difference I.U./O.U.	O.U. above/O.U. below	m	50/15		50/15		50/15	
Splitting distance without additional charge		m	30		30		30	
Additional charge		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	
Volume of air treated	P-Hi/Hi/Me/Lo	m^3/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	
Volume of air treated	Max	m^3/h	4500		4500		4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
Optional parts								
Wi-Fi module			INWFIMHI001R100					
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 SUPER

WALL R32

SRK 100 ZR-WF

INCLUDED

- **339 mm**
  Height
- **50 m**
  Splitting distance
- **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 filter

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 power input (T=+35°C)		kW	3.19	
Rated energy efficiency coefficient		EER[1]	3.13	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)	
Rated power input (T=+7°C)		kW	3.04	
Rated energy performance coefficient		COP[1]	3.68	
Seasonal data				
Design load (Pdesignc)	Cooling	kW	10.00	
Seasonal energy efficiency index		SEER[2]	6.13	
Seasonal energy efficiency class		626/2011[3]	A++	
Annual energy consumption		kWh/y	571	
Design load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.50	
Seasonal energy efficiency index		SCOP[2]	4.33	
Seasonal energy efficiency class		626/2011[3]	A+	
Annual energy consumption		kWh/y	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.		nb.	4	4
Nominal absorbed current	Cooling	A	14.30	4.80
	Heating	A	13.60	4.60
Maximum current		A	24.00	15.00
Max power input		kW	6.40	10.20
Refrigerant circuit data				
Refrigerant[4]		Type (GWP)	R32 (675)	
Quantity of refrigerant pre-charge		Kg	3.3	
Tons of CO2 equivalent		t	2.228	
Diameter of refrigerant pipings liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")	
Splitting distance		m	50	
Max splitting level difference I.U./O.U.	O.U. above/O.U. below	m	50/15	
Splitting distance without additional charge		m	30	
Additional charge		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/ULo)	Cooling	dB(A)	48/45/40/27	
	Heating		48/43/38/30	
Volume of air treated (Hi/Mi/Lo/ULo)	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	
Volume of air treated	Max	m^3/h	4500	
Operating range (outdoor temperature)	Cooling	°C	-15~+50	
	Heating	°C	-20~+20	
Optional parts				
Wi-Fi module			INCLUDED	
Interface for home automation and wired control connection[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.t.

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