

Hide-Away Type

Low Static Pressure Models



Remote Controller

* A remote controller is in the same package with the indoor unit.

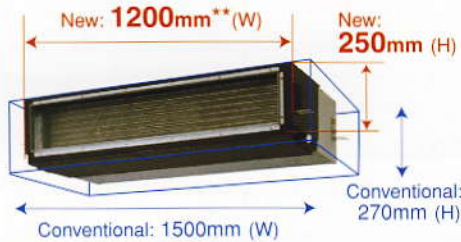


Wired Remote Controller

Compact, Lightweight Design for Easy Installation

Thin and only 250mm* high, with a slim width of only 1,200 mm* this compact unit fits easily in limited spaces. The lightweight and small size also make it easier to transport and install.

* 4.0 HP-6.0 HP models



** Add 100 mm for power supply equipment

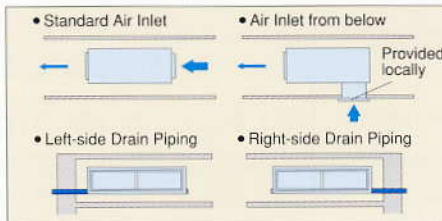
Various Installation Applications

• Versatile Air Inlet and Drain Installation

The mounting locations for the air inlet and drain outlet can be changed as desired for easy, flexible system layout and installation.

• Static Pressure Selection

The static pressure is selectable from 5 or 7 mmAq according to the condition of the duct. For short ducts, the lower pressure of 5 mmAq provides efficient operation.



Easy Maintenance

• 3-Way Removable Air Filter

The air filter can be removed in three directions for easier maintenance.

Versatile Functions

- Auto Fan Mode
- Auto Restart Function
- Dry Mode Function
- Auto Changeover Function (Heat Pump Model)
- Low Ambient Cooling Operation
* See page 16 for details.
- Weekly Timer
- 24-Hour On/Off Real Setting Timer
- Odour Wash
- Economy Mode
- Hot Start Control
- Self-Diagnostic Function



Cooling/Heating

Specifications Inverter Models

Items	Cooling Capacity		Power Source	Current	Power Input	EER COP	Annual Energy Consumption	Air Volume	External Static Pressure	Noise Level*				Dimensions		Net Weight		Piping Connection		Pipe Length				Operation Range (Outdoor)**
	Indoor	Outdoor								Indoor (Hi/Low) Cooling Heating	Outdoor (Hi) Cooling Heating	Indoor (Hi) Cooling Heating	Outdoor (Hi) Cooling Heating	Indoor	Outdoor	Indoor	Outdoor	Gas Side	Liquid Side	Min - Max. Length	Elevation Difference (CU up)**	Max. Charge-less Length	Additional Gas	
	kW	kW	Phase	A	kW	W/W	kWh	m ³ /min	Pa (mmHg)	dB(A)	dB(A)	dB	dB	mm (H/W)	mm (H/W)	kg	kg	O.D. (mm)	O.D. (mm)	m	m	m	g/m	°C
CS-F24DD3E5 CU-L24DBE5	6.30 (2.09-6.59) 21,500 (6,800-22,200)	7.10 (2.16-7.50) 24,200 (7,200-25,600)	1φ 220-240 50	9.0 9.5	1.96 (0.60-2.40) 2.08 (0.60-1.15)	3.21A 3.41B	980	22	50(5.1) 69(7)	43/39 43/39	47 49	59 59	63 65	250 1,000+100 ^f 650	795 900 320	41	71	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F28DD3E5 CU-L28DBE5	7.10 (2.16-7.50) 24,200 (7,200-25,600)	8.00 (2.30-8.30) 27,300 (7,500-29,000)	1φ 220-240 50	10.1 10.6	2.21 (0.66-2.45) 2.34 (0.69-1.15)	3.21A 3.42B	1,105	22	50(5.1) 69(7)	43/39 43/39	48 50	59 59	64 66	250 1,000+100 ^f 650	795 900 320	41	71	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F34DD3E5 CU-L34DBE5	10.00 (4.00-12.00) 34,100 (13,600-40,500)	11.20 (4.00-13.50) 38,200 (13,600-46,000)	1φ 220-240 50	12.6 14.9	2.77 (1.30-3.45) 3.28 (1.30-4.25)	3.61A 3.41B	1,385	36	50(5.1) 69(7)	47/43 45/41	52 54	60 59	66 68	250 1,200+100 ^f 650	1,340 900 320	47	110	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F34DD3E5 CU-L34DBE8	10.00 (4.00-12.00) 34,100 (13,600-40,500)	11.20 (4.00-13.50) 38,200 (13,600-46,000)	3φ 380-415 50	4.4 5.2	2.77 (1.30-3.45) 3.28 (1.30-4.25)	3.61A 3.41B	1,385	36	50(5.1) 69(7)	45/41 44/40	52 54	60 59	66 68	250 1,200+100 ^f 650	1,340 900 320	47	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F43DD3E5 CU-L43DBE5	12.50 (4.00-13.50) 42,600 (13,600-46,000)	14.00 (4.00-15.50) 47,700 (13,600-51,900)	1φ 220-240 50	18.8 18.7	4.15 (1.40-4.40) 4.11 (1.40-5.10)	3.01B 3.41B	2,075	40	50(5.1) 69(7)	45/41 44/40	53 55	60 59	67 69	250 1,200+100 ^f 650	1,340 900 320	47	110	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F43DD3E5 CU-L43DBE8	12.50 (4.00-13.50) 42,600 (13,600-46,000)	14.00 (4.00-15.50) 47,700 (13,600-51,900)	3φ 380-415 50	6.5 6.5	4.15 (1.40-4.40) 4.11 (1.40-5.10)	3.01B 3.41B	2,075	40	50(5.1) 69(7)	45/41 44/40	53 55	60 59	67 69	250 1,200+100 ^f 650	1,340 900 320	47	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F50DD3E5 CU-L50DBE8	14.00 (4.00-16.00) 47,700 (13,600-51,900)	16.00 (4.00-18.00) 54,600 (13,600-61,400)	3φ 380-415 50	7.6 7.6	4.98 (1.40-5.20) 4.98 (1.40-6.10)	2.81C 3.21C	2,490	40	50(5.1) 69(7)	46/42 45/41	54 56	61 60	68 70	250 1,200+100 ^f 650	1,340 900 320	47	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24
CS-F24DD3E5 CU-YL24HBE5	5.60 (2.00-6.30) 19,100 (590-2,900)	7.00 (2.10-7.60) 23,500 (7,200-25,300)	1φ 220-240 50	9.00 11.30	1.99 (0.60-2.40) 2.49 (0.60-2.80)	2.81C 2.81D	995	22	50(5.1) 69(7)	43/39 43/39	49 51	59 59	67 68	250 1,000+100 ^f 650	795 875-700 ^{ff} 320	41	65	15.88 (5/8)	9.52 (3/8)	7.5-30	(25) 20	30	-	-5-43 -15-24
CS-F28DD3E5 CU-YL28HBE5	7.10 (2.16-7.70) 24,200 (7,200-25,300)	8.00 (2.20-8.30) 27,300 (7,500-28,300)	1φ 220-240 50	11.40 12.20	2.53 (0.60-2.90) 2.85 (0.60-1.20)	2.81C 2.81D	1,265	22	50(5.1) 69(7)	43/39 43/39	50 52	59 59	68 69	250 1,000+100 ^f 650	795 875-700 ^{ff} 320	41	65	15.88 (5/8)	9.52 (3/8)	7.5-30	(25) 20	30	-	-5-43 -15-24
CS-F34DD3E5 CU-YL34HBE5	10.00 (3.80-10.60) 34,100 (13,000-35,800)	11.20 (3.80-12.50) 38,200 (13,000-42,700)	1φ 220-240 50	16.30 17.00	3.56 (1.30-4.10) 3.72 (1.40-4.25)	2.81C 3.01D	1,780	36	50(5.1) 69(7)	45/41 44/40	53 56	60 59	71 73	250 1,000+100 ^f 650	795 900 320	47	66	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	-5-43 -15-24
CS-F43DD3E5 CU-YL43HBE5	12.50 (4.00-13.00) 42,700 (13,000-44,400)	14.00 (4.00-14.50) 47,800 (13,000-49,500)	1φ 220-240 50	20.30 21.20	4.45 (1.30-4.70) 4.65 (1.20-5.00)	2.81C 3.01D	2,225	40	50(5.1) 69(7)	45/41 44/40	54 56	60 59	72 73	250 1,200+100 ^f 650	1,170 900 320	47	94	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	-5-43 -15-24

Specifications Non-Inverter Models

Cooling/Heating

Items	Cooling Capacity	Heating Capacity	Power Source	Current	Power Input	EER COP	Annual Energy Consumption	Air Volume	External Static Pressure	NoiseLevel*				Dimensions		Net Weight		Piping Connection		Pipe Length				Operation Range (Outdoor)		
										Sound Pressure Level		Sound Power Level		Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Gas Side	Liquid Side	Min - Max. Length	Elevation Difference (CU up)**		Max. Charge-less Length	Additional Gas
										Indoor (Hi/Lo) Cooling Heating	Outdoor (Hi) Cooling Heating	Indoor (Hi) Cooling Heating	Outdoor (Hi) Cooling Heating													
Indoor Outdoor	kW Btu/h	kW Btu/h	Phase V Hz	A	kW	W/W	kW	m ³ /min	Pa (mmHg)	dB(A)	dB(A)	dB	dB	mm (H/W/D)	mm (H/W/D)	kg	kg	O.D. mm (inch)	O.D. mm (inch)	m	m	m	g/m	°C		
CS-F14DD3E5 CU-J14DBE5	3.80 13,000	—	1 φ 220-240 50	6.21	1.35 (1.32-1.38)	2.81C	675	17	50(5.1) 69(7)	42/38	49	58	65	250 780+100 [†] 650	795 900 320	34	54	12.7 (1/2)	6.35 (1/4)	7.5-30	(20) 20	20	20	5-43 -10-24		
CS-F18DD3E5 CU-J18DBE5	5.00 17,100	—	1 φ 220-240 50	8.38	1.86 (1.83-1.89)	2.69D	930	17	50(5.1) 69(7)	42/38	49	58	65	250 780+100 [†] 650	795 900 320	34	56	12.7 (1/2)	6.35 (1/4)	7.5-30	(20) 20	20	20	5-43 -10-24		
CS-F24DD3E5 CU-J24DBE5	6.60 22,500	—	1 φ 220-240 50	12.9	2.66 (2.62-2.70)	2.48E	1,330	22	50(5.1) 69(7)	43/39	50	59	66	250 1,000+100 [†] 650	795 900 320	41	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F24DD3E5 CU-J24DBE8	6.60 22,500	—	3 φ 380-415 50	4.54	2.66 (2.62-2.70)	2.48E	1,330	22	50(5.1) 69(7)	43/39	50	59	66	250 1,000+100 [†] 650	795 900 320	41	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F28DD3E5 CU-J28DBE5	7.30 24,900	—	1 φ 220-240 50	13.5	2.89 (2.83-2.94)	2.53E	1,445	22	50(5.1) 69(7)	43/39	52	59	67	250 1,000+100 [†] 650	795 900 320	41	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F28DD3E5 CU-J28DBE8	7.30 24,900	—	3 φ 380-415 50	4.9	2.89 (2.83-2.94)	2.53E	1,445	22	50(5.1) 69(7)	43/39	52	59	67	250 1,000+100 [†] 650	795 900 320	41	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F34DD3E5 CU-J34DBE5	10.00 34,100	—	1 φ 220-240 50	18.8	4.04 (3.95-4.12)	2.48E	2,020	36	50(5.1) 69(7)	45/41	55	60	69	250 1,200+100 [†] 650	1,170 900 320	47	92	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F34DD3E5 CU-J34DBE8	10.00 34,100	—	3 φ 380-415 50	6.45	3.80 (3.75-3.85)	2.63D	1,900	36	50(5.1) 69(7)	45/41	55	60	69	250 1,200+100 [†] 650	1,170 900 320	47	90	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F43DD3E5 CU-J43DBE8	12.50 42,600	—	3 φ 380-415 50	8.1	4.84 (4.80-4.95)	2.58E	2,420	40	50(5.1) 69(7)	45/41	56	60	70	250 1,200+100 [†] 650	1,170 900 320	47	97	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F50DD3E5 CU-J50DBE8	13.50 46,000	—	3 φ 380-415 50	13.5	5.41 (5.36-5.51)	2.50E	2,655	40	50(5.1) 69(7)	46/42	56	61	70	250 1,200+100 [†] 650	1,170 900 320	47	97	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F14DD3E5 CU-B14DBE5	3.80 13,000	4.30 14,700	1 φ 220-240 50	6.31	1.35 (1.32-1.38) 5.36 1.21 (1.18-1.24)	2.81C 3.55B	675	17	50(5.1) 69(7)	42/38 40/36	49 50	58 56	65 66	250 780+100 [†] 650	795 900 320	34	55	12.7 (1/2)	6.35 (1/4)	7.5-30	(20) 20	20	20	5-43 -10-24		
CS-F18DD3E5 CU-B18DBE5	5.00 17,100	5.60 19,100	1 φ 220-240 50	8.53	1.89 (1.86-1.92) 7.63 1.70 (1.67-1.73)	2.66D 3.29C	945	17	50(5.1) 69(7)	42/38 40/36	49 50	58 56	65 66	250 780+100 [†] 650	795 900 320	34	57	12.7 (1/2)	6.35 (1/4)	7.5-30	(20) 20	20	20	5-43 -10-24		
CS-F24DD3E5 CU-B24DBE5	6.60 22,500	7.10 24,200	1 φ 220-240 50	12.9	2.59 (2.56-2.64) 11.8 2.47 (2.40-2.56)	2.55E 2.87D	1,295	22	50(5.1) 69(7)	43/39 43/39	50 51	59 59	66 67	250 1,000+100 [†] 650	795 900 320	41	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F28DD3E5 CU-B28DBE5	7.30 24,900	8.00 27,300	1 φ 220-240 50	13.5	2.84 (2.78-2.89) 12.6 2.69 (2.61-2.78)	2.57E 2.97D	1,420	22	50(5.1) 69(7)	43/39 43/39	52 53	59 59	67 68	250 1,000+100 [†] 650	795 900 320	41	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F28DD3E5 CU-B28DBE8	7.30 24,900	8.00 27,300	3 φ 380-415 50	4.9	2.84 (2.78-2.89) 4.7 2.69 (2.61-2.78)	2.57E 2.97D	1,420	22	50(5.1) 69(7)	43/39 43/39	52 53	59 59	67 68	250 1,000+100 [†] 650	795 900 320	41	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F34DD3E5 CU-B34DBE5	10.00 34,100	11.20 38,200	1 φ 220-240 50	18.6	3.88 (3.83-4.05) 18.6 3.94 (3.86-4.00)	2.58E 2.84D	1,940	36	50(5.1) 69(7)	45/41 44/40	55 56	60 59	69 70	250 1,200+100 [†] 650	1,170 900 320	47	102	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F34DD3E5 CU-B34DBE8	10.00 34,100	11.20 38,200	3 φ 380-415 50	6.45	3.75 (3.70-3.80) 6.2 3.58 (3.54-3.64)	2.67D 3.13D	1,875	36	50(5.1) 69(7)	45/41 44/40	55 56	60 59	69 70	250 1,200+100 [†] 650	1,170 900 320	47	100	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F43DD3E5 CU-B43DBE8	12.50 42,600	14.00 47,700	3 φ 380-415 50	8.1	4.80 (4.75-4.87) 7.9 4.68 (4.61-4.78)	2.60E 2.99D	2,400	40	50(5.1) 69(7)	45/41 44/40	56 57	60 59	70 71	250 1,200+100 [†] 650	1,170 900 320	47	102	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		
CS-F50DD3E5 CU-B50DBE8	13.50 46,000	15.00 51,100	3 φ 380-415 50	8.8	5.31 (5.26-5.46) 8.4 5.08 (5.03-5.13)	2.54E 2.95D	2,655	40	50(5.1) 69(7)	46/42 45/41	56 57	61 60	70 71	250 1,200+100 [†] 650	1,170 900 320	47	102	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24		

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

* The Sound Pressure Level of the outdoor unit shows the value measured of a position 1 meter in front of the main body and 1.5 meters from the ground.

** When installing the outdoor unit at a higher position than the indoor unit.

*** Cooling operation at -15°C <inverter L series> / -10°C <non-inverter> is possible in non-residential computer rooms, etc., where the temperature is not less than 21°C and humidity is not more than 45%.

Add 100mm for power supply box.

Add 70mm for piping port.

The specifications listed on the table indicate values under the condition of 50Pa(5.1mmHg) which are applied for factory default setting.