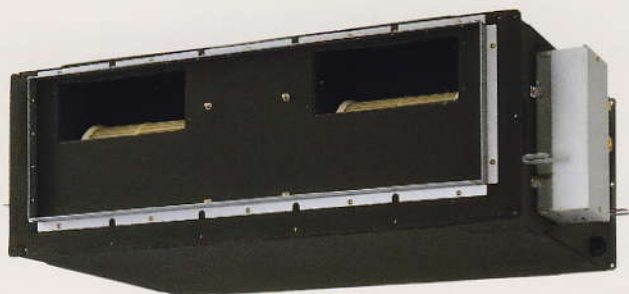


Hide-Away Type

Middle Static Pressure Models



Remote Controller

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

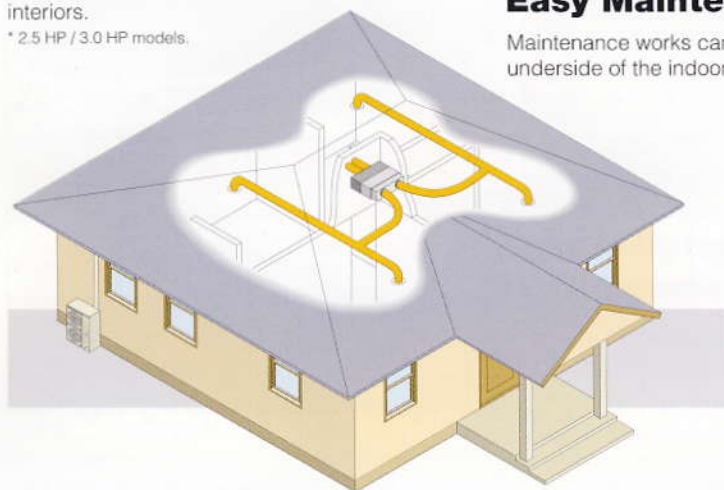


Wired Remote Controller

Thin (Only 29 cm*), Lightweight Design

The unit has a height of only 29 cm, so it allows installation in limited ceiling spaces. The lightweight, attractive design simplifies installation, and matches virtually all room interiors.

* 2.5 HP / 3.0 HP models.



Flexible Installation

The powerful airflow enables a longer duct to be used. Since the air outlet can be installed away from the main unit, a variety of air conditioner layouts become possible.

Easy Maintenance

Maintenance works can be done from the underside of the indoor unit.

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		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)**			
	kW	Btu/h	kW	Btu/h								Sound Pressure Level		Sound Power Level		Indoor	Outdoor	Indoor	Outdoor	kg	kg	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													
CS-F24DD2E5 CU-L24DBE5	6.30 (2.06-6.30) 21,500 (6,900-22,200)	7.10 (2.10-7.50) 24,200 (7,200-25,600)	1φ 220-240 50	95 95	2.09 (0.60-2.40) 2.08 (0.60-1.15)	3.01B	1,045	22	69 (7)	45/41 43/39	47 49	61 59	63 65	290 1,000+100 [†] 500	795 900 320	35	71	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F28DD2E5 CU-L28DBE5	7.10 (2.10-7.50) 24,200 (7,200-25,600)	8.00 (2.20-8.50) 27,300 (7,900-29,000)	1φ 220-240 50	10.7 10.6	2.36 (0.65-2.45) 2.34 (0.65-2.25)	3.01B	1,180	22	69 (7)	45/41 43/39	48 50	61 59	64 66	290 1,000+100 [†] 500	795 900 320	35	71	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F34DD2E5 CU-L34DBE5	10.00 (3.00-10.00) 34,100 (10,000-40,000)	11.20 (3.30-11.50) 38,200 (11,000-46,000)	1φ 220-240 50	13.8 14.9	3.05 (0.85-3.50) 3.26 (1.35-4.30)	3.27A	1,530	38	96 (10)	49/45 47/44	52 54	64 62	66 68	360 1,000+100 [†] 650	1,340 900 320	48	110	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F34DD2E5 CU-L34DBE8	10.00 (3.00-10.00) 34,100 (10,000-40,000)	11.20 (3.30-11.50) 38,200 (11,000-46,000)	3φ 380-415 50	4.8 5.2	3.05 (0.85-3.50) 3.26 (1.35-4.30)	3.27A	1,530	38	98 (10)	49/45 47/44	52 54	64 62	66 68	360 1,000+100 [†] 650	1,340 900 320	48	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F43DD2E5 CU-L43DBE5	12.50 (3.60-12.50) 42,600 (13,000-49,000)	14.00 (4.00-15.50) 47,700 (14,000-52,000)	1φ 220-240 50	18.8 19.7	4.15 (1.10-4.50) 4.35 (1.40-5.10)	3.01B	2,075	40	98 (10)	49/45 47/44	53 55	64 62	67 69	360 1,000+100 [†] 650	1,340 900 320	48	110	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F43DD2E5 CU-L43DBE8	12.50 (3.60-12.50) 42,600 (13,000-49,000)	14.00 (4.00-15.50) 47,700 (14,000-52,000)	3φ 380-415 50	6.5 6.8	4.15 (1.10-4.50) 4.35 (1.40-5.10)	3.01B	2,075	40	98 (10)	49/45 47/44	53 55	64 62	67 69	360 1,000+100 [†] 650	1,340 900 320	48	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F50DD2E5 CU-L50DBE8	14.00 (4.00-14.00) 47,700 (13,900-54,600)	16.00 (4.80-16.00) 54,500 (15,600-61,400)	3φ 380-415 50	7.7 7.4	5.06 (1.45-5.40) 4.85 (1.40-6.10)	2.77D	2,530	45	98 (10)	49/45 47/44	54 56	64 62	68 70	360 1,000+100 [†] 650	1,340 900 320	48	105	15.88 (5/8)	9.53 (3/8)	7.5-50	(30) 20	30	50	-5-43 -20-24				
CS-F24DD2E5 CU-YL24HBE5	5.60 (1.60-5.60) 19,100 (5,900-21,500)	7.00 (2.10-7.50) 23,500 (7,000-25,900)	1φ 220-240 50	9.00 11.30	1.99 (0.55-2.20) 2.49 (0.80-2.80)	2.81C	995	22	69 (7)	45/41 43/39	48 51	61 59	67 68	290 1,000+100 [†] 500	795 875+70 ^{††} 320	35	65	15.88 (5/8)	9.52 (3/8)	7.5-30	(25) 20	30	-	-5-43 -15-24				
CS-F28DD2E5 CU-YL28HBE5	7.10 (2.10-7.50) 24,200 (7,200-25,600)	8.00 (2.20-8.50) 27,300 (7,900-29,000)	1φ 220-240 50	11.50 12.80	2.53 (0.65-2.60) 2.85 (0.80-3.20)	2.81C	1,265	22	69 (7)	45/41 43/39	50 52	61 59	68 69	290 1,000+100 [†] 500	795 875+70 ^{††} 320	35	65	15.88 (5/8)	9.52 (3/8)	7.5-30	(25) 20	30	-	-5-43 -15-24				
CS-F34DD2E5 CU-YL34HBE8	10.00 (3.00-10.00) 34,100 (10,000-40,000)	11.20 (3.30-11.50) 38,200 (11,000-46,000)	1φ 220-240 50	16.30 17.00	3.56 (1.00-4.10) 3.72 (1.20-2.20)	2.81C	1,780	38	98 (10)	49/45 47/44	53 56	64 62	71 73	360 1,000+100 [†] 650	795 900 320	48	66	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	-5-43 -15-24				
CS-F43DD2E5 CU-YL43HBE5	12.50 (3.60-12.50) 42,700 (13,000-44,400)	14.00 (4.00-14.00) 47,800 (13,100-49,500)	1φ 220-240 50	20.30 21.20	4.45 (1.30-4.70) 4.65 (1.30-5.00)	2.81C	2,225	40	98 (10)	49/45 47/44	54 56	64 62	72 73	360 1,000+100 [†] 650	1,170 900 320	48	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	Noise Level*				Dimensions		Net Weight		Piping Connection		Pipe Length				Operation Range (Outdoor)***
										Sound Pressure Level		Sound Power Level		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 (mmAq)	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-F24DD2E5 CU-J24DBE5	6.60 22,500	—	1 φ 220-240 50	13.1	2.70 (2.66-2.74)	2.44E	1,350	22	69 (7)	45/41	50	61	66	290 1,000+100 ^f 500	795 900 320	35	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F24DD2E5 CU-J24DBE8	6.60 22,500	—	3 φ 380-415 50	4.63	2.70 (2.66-2.74)	2.44E	1,350	22	69 (7)	45/41	50	61	66	290 1,000+100 ^f 500	795 900 320	35	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F28DD2E5 CU-J28DBE5	7.30 24,900	—	1 φ 220-240 50	13.17	2.91 (2.86-2.96)	2.51E	1,455	22	69 (7)	45/41	52	61	67	290 1,000+100 ^f 500	795 900 320	35	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F28DD2E5 CU-J28DBE8	7.30 24,900	—	3 φ 380-415 50	4.9	2.91 (2.86-2.96)	2.51E	1,455	22	69 (7)	45/41	52	61	67	290 1,000+100 ^f 500	795 900 320	35	61	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F34DD2E5 CU-J34DBE5	10.00 34,100	—	1 φ 220-240 50	19.0	4.10 (4.03-4.15)	2.44E	2,050	38	98 (10)	49/45	55	64	69	360 1,000+100 ^f 650	1,170 900 320	48	92	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F34DD2E5 CU-J34DBE8	10.00 34,100	—	3 φ 380-415 50	6.5	3.92 (3.86-3.96)	2.55E	1,960	38	98 (10)	49/45	55	64	69	360 1,000+100 ^f 650	1,170 900 320	48	90	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F43DD2E5 CU-J43DBE8	12.50 42,600	—	3 φ 380-415 50	8.2	4.98 (4.90-5.12)	2.51E	2,490	40	98 (10)	49/45	56	64	70	360 1,000+100 ^f 650	1,170 900 320	48	97	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F50DD2E5 CU-J50DBE8	13.50 46,000	—	3 φ 380-415 50	9.0	5.46 (5.41-5.51)	2.47E	2,680	45	98 (10)	49/45	56	64	70	360 1,000+100 ^f 650	1,170 900 320	48	97	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F24DD2E5 CU-B24DBE5	6.60 22,500	7.10 24,200	1 φ 220-240 50	13.1 11.9	2.64 (2.61-2.70) 2.53 (2.45-2.62)	2.50E 2.81D	1,320	22 22	69 (7)	45/41 43/39	50 51	61 59	66 67	290 1,000+100 ^f 500	795 900 320	35	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F28DD2E5 CU-B28DBE5	7.30 24,900	8.00 27,300	1 φ 220-240 50	13.7 12.6	2.86 (2.81-2.91) 2.71 (2.62-2.80)	2.55E 2.95D	1,430	22 22	69 (7)	45/41 43/39	52 53	61 59	67 68	290 1,000+100 ^f 500	795 900 320	35	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F28DD2E5 CU-B28DBE8	7.30 24,900	8.00 27,300	3 φ 380-415 50	4.9 4.7	2.86 (2.81-2.91) 2.71 (2.62-2.80)	2.55E 2.95D	1,430	22 22	69 (7)	45/41 43/39	52 53	61 59	67 68	290 1,000+100 ^f 500	795 900 320	35	69	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F34DD2E5 CU-B34DBE5	10.00 34,100	11.20 38,200	1 φ 220-240 50	18.8 18.7	3.97 (3.89-4.08) 3.98 (3.90-4.05)	2.52E 2.81D	1,985	38 38	98 (10)	49/45 47/44	55 56	64 62	69 70	360 1,000+100 ^f 650	1,170 900 320	48	102	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F34DD2E5 CU-B34DBE8	10.00 34,100	11.20 38,200	3 φ 380-415 50	6.5 6.4	3.83 (3.79-3.92) 3.68 (3.63-3.75)	2.61D 3.04D	1,915	38 38	98 (10)	49/45 47/44	55 56	64 62	69 70	360 1,000+100 ^f 650	1,170 900 320	48	100	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F43DD2E5 CU-B43DBE8	12.50 42,600	14.00 47,700	3 φ 380-415 50	8.2 8.0	4.92 (4.85-5.04) 4.66 (4.56-4.78)	2.54E 3.00D	2,460	40 40	98 (10)	49/45 47/44	56 57	64 62	70 71	360 1,000+100 ^f 650	1,170 900 320	48	102	15.88 (5/8)	9.52 (3/8)	7.5-50	(30) 20	30	50	5-43 -10-24
CS-F50DD2E5 CU-B50DBE8	13.50 46,000	15.00 51,100	3 φ 380-415 50	8.9 8.5	5.36 (5.31-5.46) 5.13 (5.08-5.18)	2.52E 2.92D	2,680	45 45	98 (10)	49/45 47/44	56 57	64 62	70 71	360 1,000+100 ^f 650	1,170 900 320	48	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.