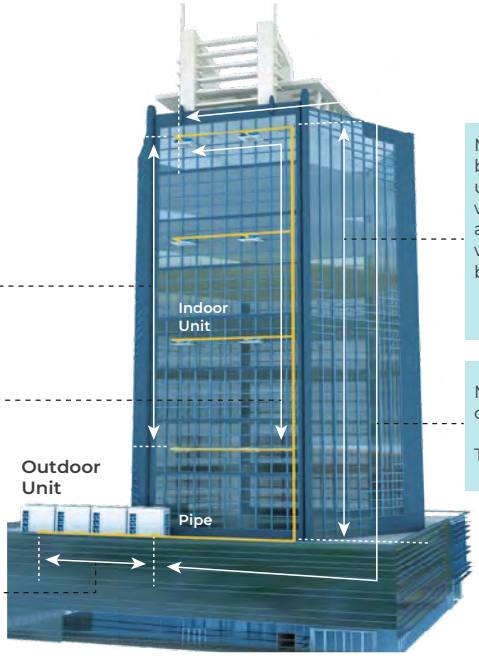
AEROSTAR

CHF series



EXTRA LONG PIPE DESIGN

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters*, which makes installation more flexible.



Maximum height difference of indoor units: 15m(30m*)

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10m

Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m(90m*)
when the outdoor unit is below: 40m(90m*)

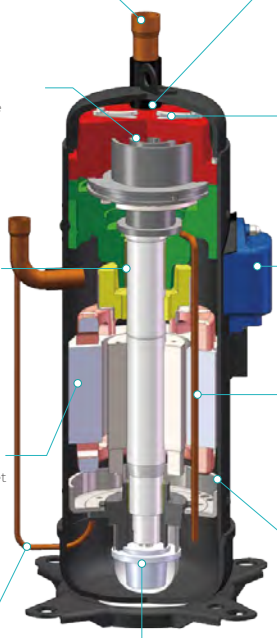
Maximun actural length of a single pipe: 165m

Total length of pipes: 1000m

Note:
For detailed information, please contact Aerostar's technical staff.

HIGH-EFFICIENCY COMPRESSOR

CHF series adopts a new generation of scroll compressor, and it has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will optimally increase the performance of the whole compressor, especially for operation under low load.



1 **Direct suction**
Higher volumetric efficiency.

2 **Asymmetric Scroll**
Reduce the leakage loss of the compressor, and enhance the efficiency and reliability.

3 **Reliable bearing**
Adopt high-reliability slide bearing, better bearing capacity, lower noise and higher reliability.

4 **High-efficiency Motor**
Rare-earth permanent magnet motor with specially designed structure.

5 **Oil Balance Tube**
High reliability by oil balance between multiple compressors.

6 **No-return valve design**
Increase the efficiency and enhance the reliability under large-load operation.

7 **Pressure relief valve design**
Increase the efficiency and enhance the reliability under large-load operation.

8 **Terminal cover of power supply**
Ensure stable and firm wire connection with higher protection level.

9 **Internal oil separator tube**
Achieve internal circulation of lubricating oil, reducing overheat loss and the oil discharge rate.

10 **High-pressure chamber structure**
Large exhaust buffer chamber to reduce airflow noise and vibration during operation.

11 **High Reliable Oil Supply System**
Sufficient oil supply is ensured according to the oil pressure difference even at low speed and partial load conditions.

CHF Series



EUROVENT CERTIFIED PERFORMANCE
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HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AER-CS224CHOU	AER-CS280CHOU	AER-CS335CHOU	AER-CS400CHOU	AER-CS450CHOU	AER-CS500CHOU
	Modules		———	———	———	———	———	———
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45	50.0
	Power Input	kW	4.79	6.60	7.96	10.34	12.26	14.04
	EER	kW / kW	4.68	4.24	4.21	3.87	3.67	3.56
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
	Power Input	kW	5.13	6.79	8.50	10.84	12.20	14.81
	COP	kW / kW	4.87	4.64	4.41	4.15	4.10	3.78
Ventilation	Air Flow Rate	m³/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	56	57	59	59	60	61
	Night Shift Mode	dB(A)	41	42	44	44	45	46
Compressor	Type	-	Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	1
Refrigerant	Type	-	R410A					
	Pre-charged Quantity	kg	5.3	5.3	6.2	8.0	8.0	9.6
Weight	Net Weight	kg	217	219	223	272	273	296
	Gross Weight	kg	246	248	252	306	307	330
Dimensions	External (HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing (HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790	1950x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60
		inch	3/4	7/8	1	1	1-1/8	1-1/8
	Liquid	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70	Φ12.70	Φ15.88
		inch	3/8	3/8	1/2	1/2	1/2	5/8
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AER-CS560CHOU	AER-CS615CHOU	AER-CS680CHOU	AER-CS725CHOU	AER-CS800CHOU
	Modules		———	———	———	———	———
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80
	Power Input	kW	15.38	17.83	19.88	20.83	24.10
	EER	kW / kW	3.64	3.45	3.42	3.48	3.32
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
	Power Input	kW	16.36	18.70	20.72	21.98	25.57
	COP	kW / kW	3.85	3.69	3.62	3.64	3.52
Ventilation	Air Flow Rate	m³/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	62	63	63	64	64
	Night Shift Mode	dB(A)	47	48	48	49	49
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	1	2	2	2	2
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	10.3	12.2	12.2	12.0	12.0
Weight	Net Weight	kg	316	363	365	391	392
	Gross Weight	kg	347	400	402	433	434
Dimensions	External (HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing (HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790	1950x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



EUROVENT CERTIFIED PERFORMANCE
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HP			30HP	32HP	34HP	36HP
Model	Model		AER-CS850CHOU	AER-CS900CHOU	AER-CS950CHOU	AER-CS1000CHOU
	Modules		AER-CS450CHOU AER-CS400CHOU	AER-CS450CHOU AER-CS450CHOU	AER-CS500CHOU AER-CS450CHOU	AER-CS500CHOU AER-CS500CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	85.0	90.0	95.0	100.0
	Power Input	kW	22.66	24.25	26.31	28.09
	EER	kW / kW	3.76	3.67	3.61	3.56
Heating	Capacity	kW	95.0	100.0	106.0	112.0
	Power Input	kW	23.04	24.39	27.01	29.63
	COP	kW / kW	4.12	4.10	3.92	3.78
Ventilation	Air Flow Rate	m^3/min	400	400	400	400
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	64	64	64	64
	Night Shift Mode	dB(A)	49	49	49	49
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	2	2	2	2
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	8.0+8.0	8.0+8.0	8.0+9.6	9.6+9.6
Weight	Net Weight	kg	272+273	273+273	273+296	296+296
	Gross Weight	kg	306+307	307+307	307+330	330+330
Dimensions	External (HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750
	Packing (HxWxD)	mm	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ31.75	Φ31.75	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/2	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	49	52	55	59
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



HP			38HP	40HP	42HP	44HP	46HP
Model	Model		AER-CS1060CHOU	AER-CS1120CHOU	AER-CS1180CHOU	AER-CS1240CHOU	AER-CS1295CHOU
	Modules		AER-CS560CHOU AER-CS500CHOU	AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS615CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	106.0	112.0	118.0	124.0	129.5
	Power Input	kW	29.43	30.77	33.93	35.27	37.71
	EER	kW / kW	3.60	3.64	3.48	3.52	3.43
Heating	Capacity	kW	119.0	126.0	131.0	138.0	144.0
	Power Input	kW	31.18	32.73	35.53	37.08	39.42
	COP	kW / kW	3.82	3.85	3.69	3.72	3.65
Ventilation	Air Flow Rate	m³/min	467	496	496	563	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	65	65	65	66	66
	Night Shift Mode	dB(A)	50	50	50	51	51
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.6+10.3	10.3+10.3	9.6+12.2	10.3+12.2	12.2+12.2
Weight	Net Weight	kg	296+316	316+316	296+365	316+365	363+365
	Gross Weight	kg	330+347	347+347	330+402	347+402	400+402
Dimensions	External (HxWxD)	mm	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing (HxWxD)	mm	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ41.30
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-5/8
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.20
		inch	3/4	3/4	3/4	3/4	7/8
Connectable Indoor Units	Quantity	pcs	62	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90')	50(90')	50(90')	50(90')	50(90')
		m (below)	40(90')	40(90')	40(90')	40(90')	40(90')
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



EUROVENT CERTIFIED PERFORMANCE
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HP			48HP	50HP	52HP	54HP	56HP
Model	Model		AER-CS1360CHOU	AER-CS1405CHOU	AER-CS1480CHOU	AER-CS1525CHOU	AER-CS1600CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	136.0	140.5	148.0	152.5	160.0
	Power Input	kW	39.77	40.72	43.98	44.93	48.19
	EER	kW / kW	3.42	3.45	3.37	3.39	3.32
Heating	Capacity	kW	150.0	155.0	165.0	170.0	180.0
	Power Input	kW	41.44	42.70	46.29	47.55	51.14
	COP	kW / kW	3.62	3.63	3.56	3.58	3.52
Ventilation	Air Flow Rate	m³/min	592	646	646	700	700
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	66	67	67	67	67
	Night Shift Mode	dB(A)	51	52	52	52	52
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2	12.2+12.0	12.2+12.0	12.0+12.0	12.0+12.0
Weight	Net Weight	kg	365+365	365+391	365+392	391+392	392+392
	Gross Weight	kg	402+402	402+433	402+434	433+434	434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350) x750	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420) x790	1950x (1420+1665) x790	1950x (1420+1665) x790	1950x (1665+1665) x790	1950x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ41.30	Φ41.30	Φ41.30	Φ41.30	Φ41.30
		inch	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.20	Φ22.20	Φ22.20	Φ22.20	Φ22.20
		inch	7/8	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



EUROVENT CERTIFIED PERFORMANCE
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HP			58HP	60HP	62HP	64HP
Model	Model		AER-CS1615CHOU	AER-CS1680CHOU	AER-CS1740CHOU	AER-CS1800CHOU
	Modules		AER-CS615CHOU AER-CS500CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS500CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS560CHOU AER-CS560CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
	Power Input	kW	45.92	47.97	49.31	50.65
	EER	kW / kW	3.52	3.50	3.53	3.55
Heating	Capacity	kW	181.0	187.0	194.0	201.0
	Power Input	kW	48.33	50.35	51.90	53.45
	COP	kW / kW	3.75	3.71	3.74	3.76
Ventilation	Air Flow Rate	m^3/min	696	696	763	792
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	67	67
	Night Shift Mode	dB(A)	52	52	52	52
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	9.6+9.6+12.2	9.6+9.6+12.2	9.6+10.3+12.2	10.3+10.3+12.2
Weight	Net Weight	kg	296+296+363	296+296+365	296+316+365	316+316+365
	Gross Weight	kg	330+330+400	330+330+402	330+347+402	347+347+402
Dimensions	External (HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1210+1210+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750
	Packing (HxWxD)	mm	1950x (1275+1275+1420) x790	1950x (1275+1275+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
		inch	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



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HP			66HP	68HP	70HP	72HP	74HP
Model	Model		AER-CS1860CHOU	AER-CS1920CHOU	AER-CS1975CHOU	AER-CS2040CHOU	AER-CS2085CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU AER-CS500CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	186.0	192.0	197.5	204.0	208.5
	Power Input	kW	53.81	55.15	57.59	59.65	60.60
	EER	kW / kW	3.46	3.48	3.43	3.42	3.44
Heating	Capacity	kW	206.0	213.0	219.0	225.0	230.0
	Power Input	kW	56.25	57.80	60.14	62.15	63.41
	COP	kW / kW	3.66	3.69	3.64	3.62	3.63
Ventilation	Air Flow Rate	m³/min	792	859	888	888	942
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	68	68	68
	Night Shift Mode	dB(A)	52	52	53	53	53
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	5	5	6	6	6
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	9.6+12.2+12.2	10.3+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.0
Weight	Net Weight	kg	296+365+365	316+365+365	363+365+365	365+365+365	365+365+391
	Gross Weight	kg	330+402+402	347+402+402	400+402+402	402+402+402	402+402+433
Dimensions	External (HxWxD)	mm	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750
	Packing (HxWxD)	mm	1950x (1275+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	1-3/4	2	2	2	2
	Liquid	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	7/8	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

HP			76HP	78HP	80HP	82HP	84HP
Model	Model		AER-CS2130CHOU	AER-CS2205CHOU	AER-CS2280CHOU	AER-CS2325CHOU	AER-CS2400CHOU
	Modules		AER-CS725CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	213.0	220.5	228.0	232.5	240.0
	Power Input	kW	61.55	64.81	68.08	69.03	72.29
	EER	kW / kW	3.46	3.40	3.35	3.37	3.32
Heating	Capacity	kW	235.0	245.0	255.0	260.0	270.0
	Power Input	kW	64.67	68.26	71.85	73.11	76.70
	COP	kW / kW	3.63	3.59	3.55	3.56	3.52
Ventilation	Air Flow Rate	m^3/min	996	996	996	1050	1050
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	68	68	68	69	69
	Night Shift Mode	dB(A)	53	53	53	54	54
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6	6
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.0+12.0	12.2+12.0+12.0	12.0+12.0+12.2	12.0+12.0+12.0	12.0+12.0+12.0
Weight	Net Weight	kg	365+391+391	365+391+392	392+392+365	392+392+391	392+392+392
	Gross Weight	kg	402+433+433	402+433+434	434+434+402	434+434+433	434+434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1350) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+1665+1420) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



HP			86HP	88HP	90HP	92HP
Model	Model		AER-CS2415CHOU	AER-CS2480CHOU	AER-CS2535CHOU	AER-CS2600CHOU
	Modules		AER-CS680CHOU AER-CS615CHOU AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU AER-CS560CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS560CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
	Power Input	kW	68.48	70.54	72.98	75.03
	EER	kW / kW	3.53	3.52	3.47	3.47
Heating	Capacity	kW	270.0	276.0	282.0	288.0
	Power Input	kW	72.14	74.16	76.50	78.52
	COP	kW / kW	3.74	3.72	3.69	3.67
Ventilation	Air Flow Rate	m^3/min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	69
	Night Shift Mode	dB(A)	54	54	54	54
Compressor	Type	-	Scroll Compressor			
	Compressor Quantity	pcs	6	6	7	7
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	10.3+10.3+12.2+12.2	10.3+10.3+12.2+12.2	10.3+12.2+12.2+12.2	10.3+12.2+12.2+12.2
Weight	Net Weight	kg	316+316+363+365	316+316+365+365	316+363+365+365	316+365+365+365
	Gross Weight	kg	347+347+400+402	347+347+402+402	347+400+402+402	347+402+402+402
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



HP			94HP	96HP	98HP	100HP	102HP
Model	Model		AER-CS2655CHOU	AER-CS2720CHOU	AER-CS2765CHOU	AER-CS2840CHOU	AER-CS2885CHOU
	Modules		AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS615CHOU	AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS680CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU AER-CS680CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	265.5	272.0	276.5	284.0	288.5
	Power Input	kW	77.48	79.53	80.48	83.75	84.70
	EER	kW / kW	3.43	3.42	3.44	3.39	3.41
Heating	Capacity	kW	294.0	300.0	305.0	315.0	320.0
	Power Input	kW	80.85	82.87	84.13	97.72	88.98
	COP	kW / kW	3.64	3.62	3.63	3.59	3.60
Ventilation	Air Flow Rate	m^3/min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	70	70
	Night Shift Mode	dB(A)	54	54	54	55	55
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.0	12.2+12.2+12.2+12.0	12.2+12.2+12.0+12.0
Weight	Net Weight	kg	363+365+365+365	365+365+365+365	365+365+365+391	365+365+365+392	365+365+391+392
	Gross Weight	kg	400+402+402+402	402+402+402+402	402+402+402+433	402+402+402+434	402+402+433+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m (below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C

CHF Series



HP			104HP	106HP	108HP	110HP	112HP
Model	Model		AER-CS2960CHOU	AER-CS3005CHOU	AER-CS3080CHOU	AER-CS3125CHOU	AER-CS3200CHOU
	Modules		AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS680CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS725CHOU	AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU AER-CS800CHOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	296.0	300.5	308.0	312.5	320.0
	Power Input	kW	87.96	88.91	92.17	93.12	96.39
	EER	kW / kW	3.37	3.38	3.34	3.36	3.32
Heating	Capacity	kW	330.0	335.0	345.0	350.0	360.0
	Power Input	kW	92.57	93.83	97.42	98.68	102.27
	COP	kW / kW	3.56	3.57	3.54	3.55	3.52
Ventilation	Air Flow Rate	m^3/min	1292	1346	1346	1400	1400
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	70	70	70	70	70
	Night Shift Mode	dB(A)	55	55	55	55	55
Compressor	Type	-	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	-	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.0+12.0	12.2+12.0+12.0+12.0	12.2+12.0+12.0+12.0	12.0+12.0+12.0+12.0	12.0+12.0+12.0+12.0
Weight	Net Weight	kg	365+365+392+392	365+391+392+392	365+392+392+392	391+392+392+392	392+392+392+392
	Gross Weight	kg	400+402+434+434	402+433+434+434	402+434+434+434	433+434+434+434	434+434+434+434
Dimensions	External (HxWxD)	mm	1730x (1350+1350+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing (HxWxD)	mm	1950x (1420+1420+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m (above)	50(90*)	50(90*)	50(90*)	50(90*)	50(90*)
		m (below)	40(90*)	40(90*)	40(90*)	40(90*)	40(90*)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C	-5°C~52°C
	Heating	WB	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C	-25°C~16.5°C



Notes:
1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB,
pipe length: 7.5m, pipe height difference: 0m.
Heating conditions: indoor air inlet temperature: 20°C DB,
outdoor air inlet temperature: 7°C DB 6°CWB, pipe length: 7.5m,
pipe height difference: 0m.

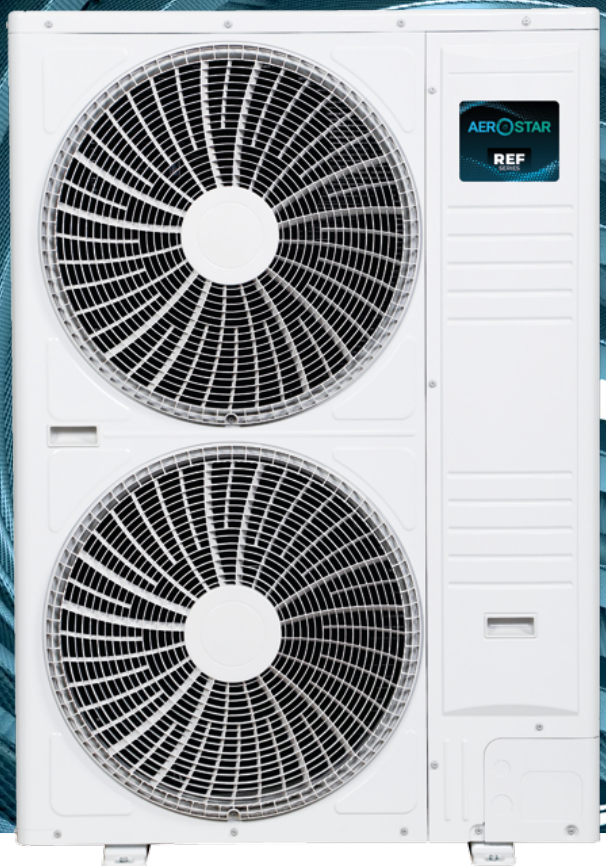
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3. The final appearance of outdoor units is subject to the actual products. If you have any questions,please contact our professional engineer.

For detailed information, please contact with Aerostar technical service.

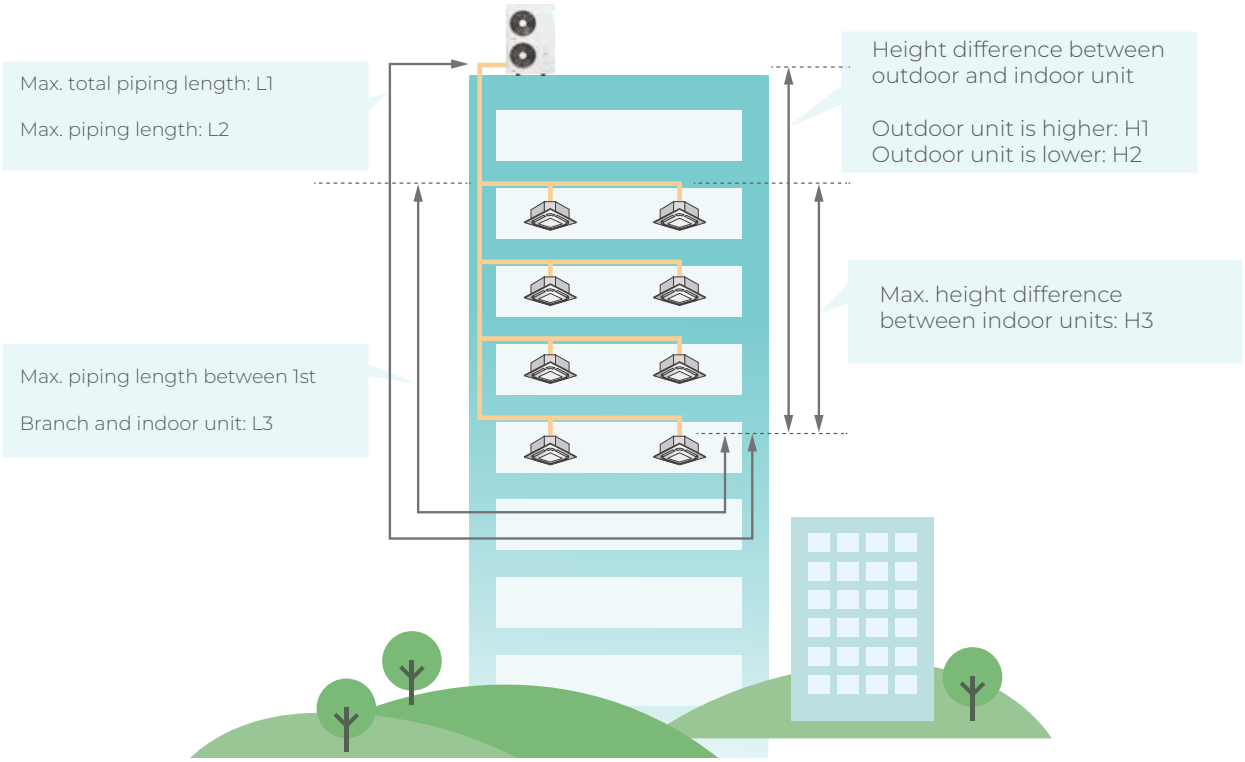
AEROSTAR

REF series

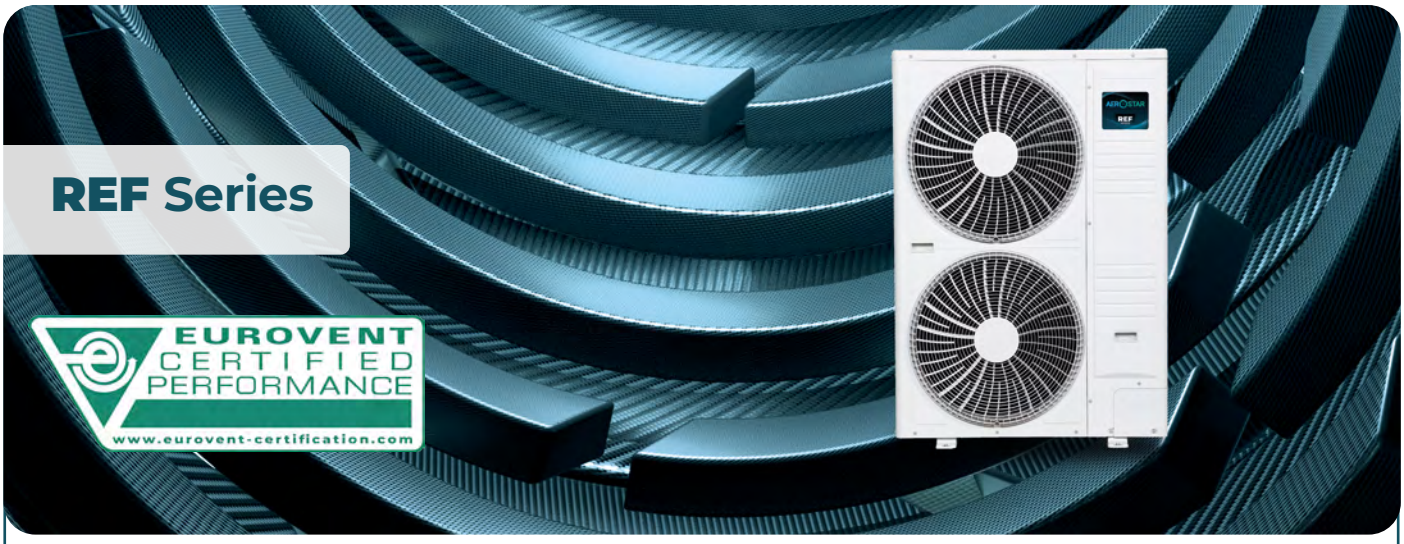


EXCELLENT PIPING LENGTH

Increased piping length allows for flexible design and installation. Aerostar inverter technology and two-level cooling technology allows longer piping length and outstanding height ifferences. The air-conditioning system can be implemented more flexibly.



Power supply		AC 1Φ, 220-240V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz
HP		4/5/6HP	8HP	10/12HP
				
Max. total piping length L1		120	150	250
Max. piping length L2		75	100	100
Max. length between the first branch pipe and the farthest indoor unit L3		30	30	40
Height difference between ODU & IDU	Outdoor unit is higher H1	30	50	50
	Outdoor unit is lower H2	30	40	40
Height difference between IDUs H3		10	15	15



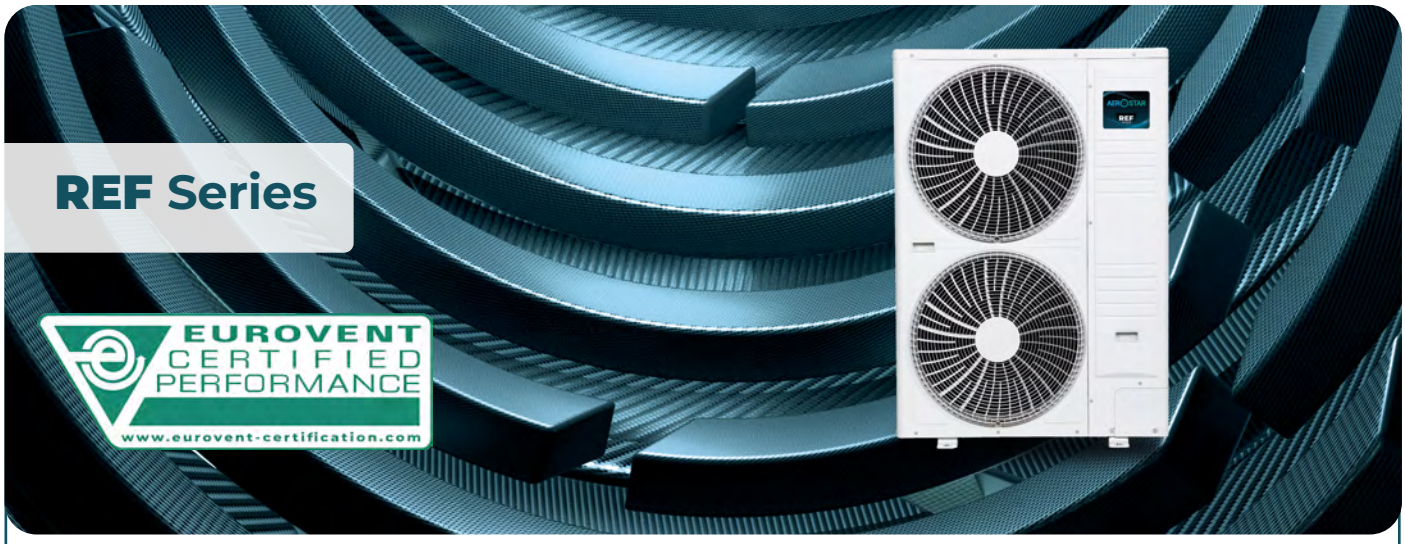
HP			4HP	5HP	6HP
	Model		AER-CS112REOUV	AER-CS140REOUV	AER-CS155REOUV
	Power Supply			AC 1Φ, 220-240V/50/60Hz	
Cooling	Capacity	kW	11.2	14.0	15.5
	Power Input	kW	2.60	3.46	4.21
	EER	kW / kW	4.31	4.05	3.68
Heating	Capacity	kW	12.5	16.0	18.0
	Power Input	kW	2.78	3.71	4.47
	COP	kW / kW	4.50	4.31	4.03
Ventilation	Air Flow Rate	m³/min	90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/ Heating)	dB(A)	50/52	52/54	53/55
Compressor	Type	-		Twin Rotary	
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	3.8	3.8	4.1
Weight	Net Weight	kg	93	95	97
	Gross Weight	kg	111	111	111
Dimensions	External(HxWxD)	mm	1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm	1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	9	11	11
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU & IDU	m	30	30	30
		m	30	30	30
	Height Difference Between IDUs	m	10	10	10
	Max. Piping Length	m	75	75	75
Operation Range	Cooling	DB	-5°C~46°C	-5°C~46°C	-5°C~46°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

Notes:

Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.

Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.

The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.



HP			8HP	10HP	12HP
	Model		AER-CS224REOU	AER-CS280REOU	AER-CS335REOU
	Power Supply		AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
	Power Input	kW	6.37	7.75	10.30
	SEER	kW / kW	6.62	6.85	6.29
	EER	kW / kW	3.52	3.61	3.25
Heating	Capacity	kW	25.0	31.5	37.5
	Power Input	kW	5.84	7.00	10.00
	SCOP	kW / kW	4.10	4.21	3.98
	COP	kW / kW	4.28	4.50	3.75
Ventilation	Air Flow Rate	m^3/min	127.0	150.0	163.0
Sound	Sound Pressure Level (Cooling/ Heating)	dB(A)	57/58	58/59	59/60
Compressor	Type	-		Twin Rotary	
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	5.63	5.50	6.50
Weight	Net Weight	kg	124	145	158
	Gross Weight	kg	139	161	175
Dimensions	External(HxWxD)	mm	1380x950x370	1650x1100x390	1650x1100x390
	Packing(HxWxD)	mm	1531x1070x515	1806x1185x530	1806x1185x530
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4
		inch	3/4	7/8	1
	Liquid	mm	Φ9.53	Φ12.7	Φ12.7
		inch	3/8	1/2	1/2
Connectable Indoor Units	Quantity	pcs	15	17	19
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU & IDU	m	50	50	50
		m	40	40	40
	Height Difference Between IDUs	m	15	15	15
	Max. Piping Length	m	100	100	100
	Total Piping Length	m	150	250	250
Operation Range	Cooling	DB	-5°C~50°C	-5°C~50°C	-5°C~50°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

AEROSTAR

INDOOR UNIT

- 4-Way Cassette Type / Mini 4-Way Cassette Type
- 1-Way Cassette Type
- 2-Way Cassette Type
- Console Type
- Ceiling Ducted Type AC/DC
- Ceiling Ducted Type (High/Low Static Pressure)
- Wall Mounted Type
- Ceiling & Floor Type
- AHU Connection KIT

INDOOR UNIT FEATURE OVERVIEW

kBtu/h		5	7	9	12	14	15	17	19	22	24	27	30	38	48	54	76	96
kW		1.7	2.2	2.8	3.6	4	4.5	5	5.6	6.3	7.1	8	9	11.2	14	16	22.4	28
4-Way Cassette Type				●	●		●		●	●	●	●	●	●	●	●		
Mini 4-Way Cassette Type		●	●	●	●		●	●	●									
1-Way Cassette Type			●	●	●	●					●							
2-Way Cassette Type			●	●	●	●					●	●	●	●	●	●		
Console Type		●	●	●	●		●	●										
Ceiling Ducted Type AC		●	●	●	●		●	●	●	●	●							
Ceiling Ducted Type DC		●	●	●	●		●		●		●							
Ceiling Ducted Type (High Static Pressure)			●	●	●		●		●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)			●	●	●		●		●	●	●	●	●	●	●	●		
Wall Mounted Type		●	●	●	●		●				●	●						
Ceiling & Floor Type								●		●	●	●	●	●	●			

Note:

For more details, check each unit's respective pages.

Type	Accessories								
	Drain Pump (built-in)	3D Airflow Panel	Filter	Humudity Sensor	AirPure Kit	Motion Sensor (built-in))	Hi-Motion	Outlet Air Temp Sensor	Float Switch
4-Way Cassete Type	●	×	●	○	○	○	○	●	●
Mini 4-Way Cassete Type	●	×	●	○	○	○	○	×	●
1-Way Cassete Type	●	×	●	×	×	×	○	●	●
2-Way Cassete Type	●	×	●	×	×	×	○	●	●
Console Type	×	×	●	○	○	×	○	×	×
Celling Ducted Type AC	●	×	●	○	○	×	○	×	●
Celling Ducted Type DC	●	×	●	○	○	×	○	×	●
Celling Type DC (BCT) CS22D~CS160D	○	×	●	○	○	×	○	×	●
Celling Type DC (BCT) CS224D – CS280D	×	×	○	×	×	×	○	●	●
Celling Type (HCT) CS22D~CS160D	○	×	●	○	○	×	○	×	●
Wall Mounted Type	×	×	●	○	×	×	○	●	×
Celling & Floor Type	×	×	●	×	×	×	○	●	×

Remarks: Standart: ● Optional: ○ Incompatible: ×

Type	Features										
	Dry Contact Input	Windows Linkage	Dry Contact Output	Fresh Air Intake	Sleep Mode	Quiet Mode	ECO	Individual Louver Control	Breeze Mode	Self Cleaning	Auto Fan Speed
4-Way Cassete Type	●	×	●	●	●	●	●	●	●	×	×
Mini 4-Way Cassete Type	●	×	●	●	●	●	●	●	●	×	×
1-Way Cassete Type	●	×	●	●	●	●	●	×	×	×	●
2-Way Cassete Type	●	×	●	●	●	×	×	●	×	×	●
Console Type	●	×	●	●	●	●	●	×	×	×	×
Celling Ducted Type AC	●	●	●	●	●	●	●	×	×	×	×
Celling Ducted Type DC	●	●	●	●	●	●	●	×	×	×	×
Celling Type (BCT) CS22D~CS160D	●	●	●	●	×	×	●	×	×	×	×
Celling Type (BCT) CS224D – CS280D	●	×	●	×	●	×	●	×	×	×	×
Celling Type (HCT) CS22D~CS160D	●	●	●	●	×	×	●	×	×	×	×
Wall Mounted Type	●	●	●	×	●	●	●	×	×	●	●
Celling & Floor Type	●	×	●	×	×	×	×	×	×	×	×

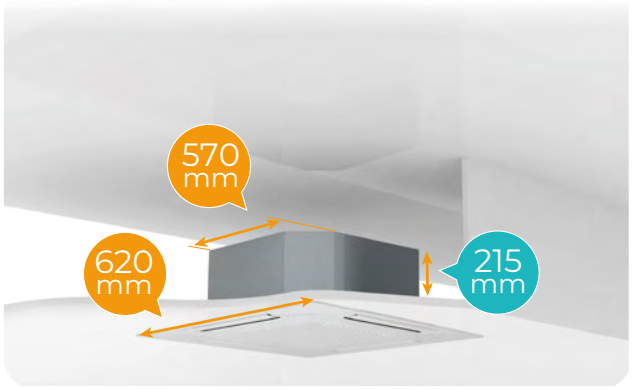
Remarks: Standart: ● Optional: ○ Incompatible: ×

COMPACT AND CLASSY DESIGN

The 4-way cassette is as slim as 238mm, and the mini 4-way cassettes are only 215mm, making them suitable for narrow ceiling spaces. And the newly designed panel seamlessly integrates with indoor aesthetics.



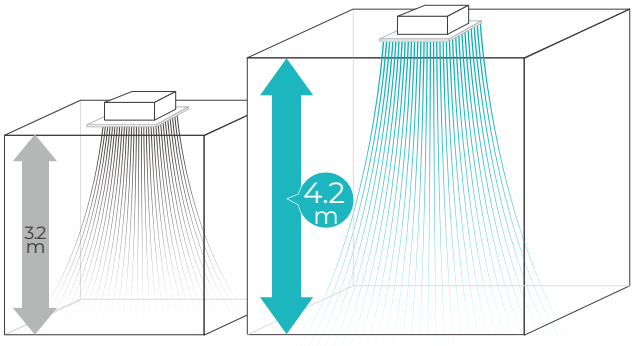
4-way Cassette Type



Mini 4-way Cassette Type

HIGHER INSTALLATION

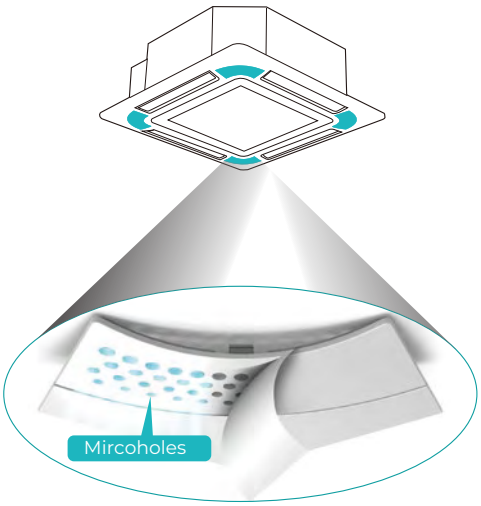
Air from the cassette can flow down from ceiling heights as high as 4.2m. And it's suitable for working with motion sensors.



Other Aerostar

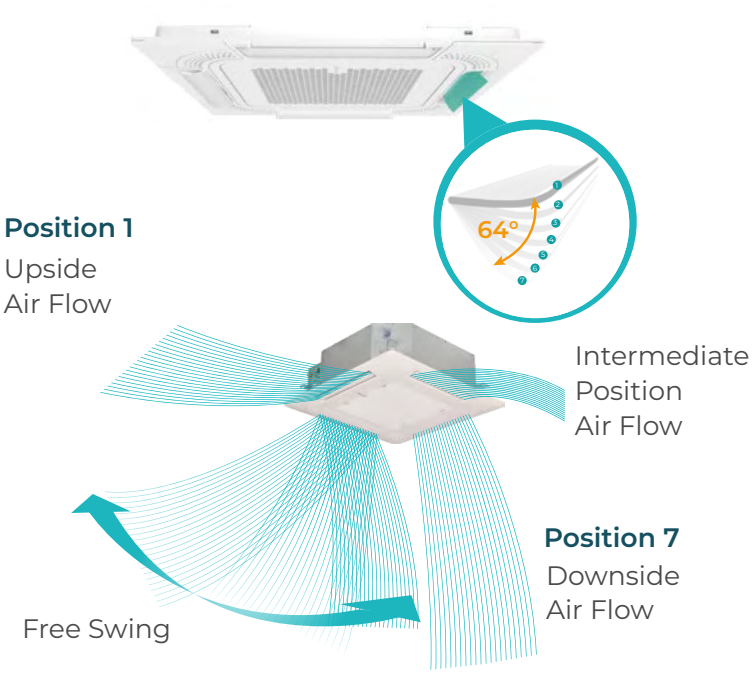
BREEZE MODE

Under the new designed breeze mode, the cold air is blown out from the microholes in the panel, and the unit is working in a mute mode, which can avoid blowing air directly on people and achieve more even and comfortable airflow.



INDIVIDUAL LOUVERS CONTROL

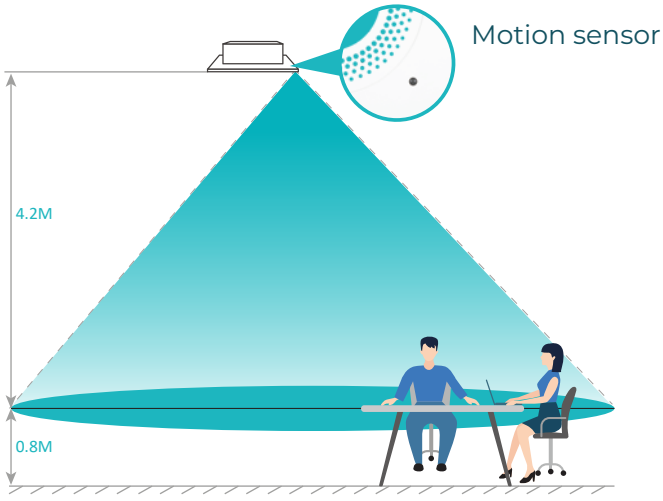
4-way cassettes louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings and maximum angle reach at 65°

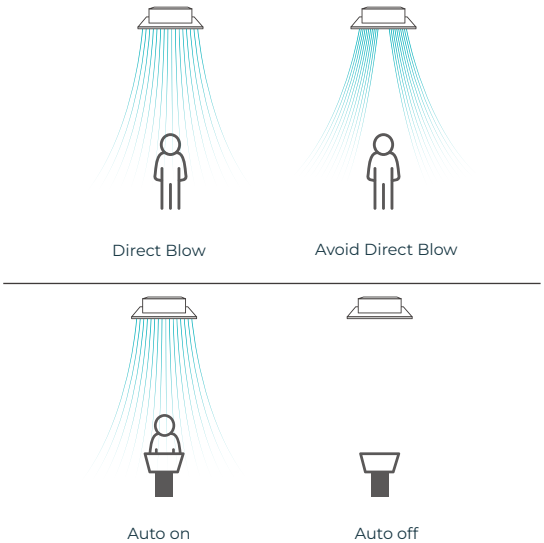


MOTION SENSOR

The sensor senses the presence of people to automatically turn the cassette unit on or off and whether to direct airflow towards or avoiding humans depend settings set on the controller.

During crowded times, the setting temperature is automatically lowered down and vise versa.







4-Way Cassette Type

Model				AER-CS28 CT4W	AER-CS36 CT4W	AER-CS45 CT4W	AER-CS56 CT4W	AER-CS63 CT4W	AER-CS71 CT4W	AER-CS80 CT4W	AER-CS90 CT4W	AER-CS112 CT4W	AER-CS140 CT4W	AER-CS160 CT4W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz										
Capacity	Cooling		kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
	Heating		kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
Power Input	Cooling		W	20	30	40	50	50	60	70	70	80	130	130
	Heating		W	20	30	40	50	50	60	70	70	80	130	130
Sound Pressure			dB(A)	30/28/28/ 27/26/26	32/29/29/ 28/27/26	33/31/29/ 29/27/26	34/31/30/ 28/28/26	36/33/32/ 31/29/28	36/33/32/ 31/29/28	37/36/35/ 33/31/30	37/36/35/ 33/31/30	42/40/38/ 36/34/33	46/44/40/ 38/36/34	46/44/41/ 40/38/36
Air Flow Rate			m^3/min	15.0/12.8/ 12.0/10.8/ 10.0/8.8	17.0/14.0/ 12.8/11.8/ 10.8/9.1	19.0/15.0/ 13.9/12.6/ 11.8/10.5	19.0/15.0/ 13.9/12.6/ 11.8/14.7	26.0/20.0/ 18.3/17.0/ 15.1/13.0	27.0/21.1/ 19.1/18.0/ 15.8/14.7	25.0/21.1/ 19.6/17.9/ 16.1/14.7	25.0/22.3/ 20.3/18.3/ 16.9/15.3	31.0/29.5/ 28.7/26.0/ 23.5/20.5	37.0/33.5/ 29.6/27.2/ 24.5/22.4	37.0/34.0/ 30.7/28.9/ 25.6/23.8
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)										
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	O.D.32										
Weight	Net Weight		kg	20	20	20	20	21	21	23	23	26	26	26
	Gross Weight		kg	24	24	24	24	25	25	27	27	31	31	31
Dimentions	External	H	mm	238	238	238	238	238	238	238	238	288	288	288
		W	mm	840	840	840	840	840	840	840	840	840	840	840
		D	mm	840	840	840	840	840	840	840	840	840	840	840
	Packaging	H	mm	292	292	292	292	292	292	342	342	342	342	342
		W	mm	945	945	945	945	945	945	945	945	945	945	945
		D	mm	945	945	945	945	945	945	945	945	945	945	945
Decoration Panel	Model		—	AP-GNK										
	Color		—	Neutral White										
	Body Dimentions	H	mm	47	47	47	47	47	47	47	47	47	47	47
		W	mm	950	950	950	950	950	950	950	950	950	950	950
		D	mm	950	950	950	950	950	950	950	950	950	950	950
	Packaging Dimentions	H	mm	100	100	100	100	100	100	100	100	100	100	100
		W	mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
		D	mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
	Net Weight		kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight		kg	8	8	8	8	8	8	8	8	8	8	8

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



Mini 4-Way Cassette Type

Model				AER-CS15 CM4W	AER-CS22 CM4W	AER-CS28 CM4W	AER-CS36 CM4W	AER-CS45 CM4W	AER-CS50 CM4W	AER-CS56 CM4W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz						
Capacity	Cooling		kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
	Heating		kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
Power Input	Cooling		W	14	14	14	16	22	30	40
	Heating		W	14	14	14	16	22	30	40
Sound Pressure			dB(A)	30/29/ 28/26	30/29/ 28/26	32/30/ 28/26	34/32/ 29/26	38/36/ 31/28	42/39/ 36/31	45/42/ 38/34
Air Flow Rate			m^3/min	7.2/6.5/ 6.2/5.6	7.2/6.5/ 6.2/5.6	7.8/7.2/ 6.5/5.8	7.8/7.2/ 6.5/5.8	9.3/8.7/ 7.1/6.7	11.0/9.5/ 8.7/7.1	12.5/10.8/ 9.3/8.0
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
			inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
			inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain		mm	O.D.32						
Weight	Net Weight		kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight		kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimentions	External	В	mm	215	215	215	215	215	215	215
		Ш	mm	570	570	570	570	570	570	570
		Г	mm	570	570	570	570	570	570	570
	Packaging	В	mm	292	292	292	292	292	292	292
		Ш	mm	668	668	668	668	668	668	668
		Г	mm	730	730	730	730	730	730	730
Decoration Panel	Model		—	AP-DNK						
	Color		—	Neutral White						
	Body Dimensions	В	mm	37	37	37	37	37	37	37
		Ш	mm	620	620	620	620	620	620	620
		Г	mm	620	620	620	620	620	620	620
	Packaging Dimensions	В	mm	115	115	115	115	115	115	115
		Ш	mm	680	680	680	680	680	680	680
		Г	mm	680	680	680	680	680	680	680
	Net Weight		kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight		kg	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

CHIC AESTHETICS

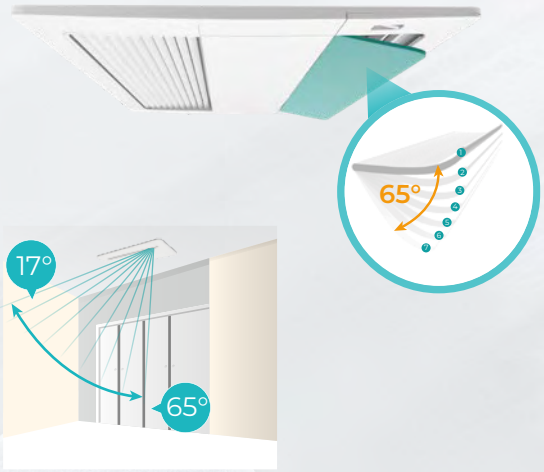
Inspired from ceiling concealed ducted units and integrated with the design of cassette units to present 1 way cassette.
High class appearance blends into common white plaster ceilings and practical solution for cornered floor layouts, hotel rooms and residential applications.



EVEN AIR SUPPLY

Louvers are consist of horizontal and vertical flaps to supply air evenly to the edges of any rooms.

Wider opening angle from 17° to 65° supplies air further and lower down to floor needed during heating modes.



SPACE SAVING

Slim body height of 192mm fits in limited ceiling spaces commonly seen in budget hotels and residential applications.



EASIER MAINTAIN

The electric box of the cassette is designed and placed beneath the panel.

When operate on PCB, it just needs to open the panel and the cover of box. It's easy to take the service, maintenance and commissioning.





1-Way Cassette Type

Model				AER-CS22 CT1W	AER-CS28 CT1W	AER-CS36 CT1W	AER-CS45 CT1W	AER-CS56 CT1W	AER-CS71 CT1W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz					
Capacity	Cooling		kW	2.2	2.8	3.6	4.0	5.6	7.1
	Heating		kW	2.5	3.2	4.0	4.5	6.3	8.0
Power Input	Cooling		W	14	14	24	34	34	74
	Heating		W	14	24	34	44	44	94
Sound Peassure			dB(A)	33/32/31/ 30/29/28	35/34/32/ 31/29/28	40/36/35/ 33/30/29	40/36/35/ 33/30/29	41/39/36/ 35/33/31	48/46/43/ 40/37/33
Air Flow Rate			m^3/min	6.2/5.9/5.6/ 5.1/4.8/4.6	6.6/6.2/5.6/ 5.1/4.8/4.6	8.3/7.3/6.8/ 6.2/5.6/5.1	8.3/7.3/6.8/ 6.2/5.6/5.1	12.1/9.9/8.8/ 8.2/7.8/6.6	15.6/12.6/11.2/ 9.9/8.4/7.1
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)					
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3.8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8
	Condensate Drain		mm	I.D.32					
Weight	Net Weight		kg	19	19	20	20	24	24
	Gross Weight		kg	23	23	24	24	29	29
Dimensions	External	H	mm	192	192	192	192	192	192
		W	mm	910	910	910	910	1180	1180
		D	mm	470	470	470	470	470	470
	Packaging	H	mm	268	268	268	268	268	268
		W	mm	1136	1136	1136	1136	1406	1406
		D	mm	574	574	574	574	574	574
Decoretion Panel	Model		—	AP-DNA	AP-DNA	AP-DNA	AP-DNA	AP-ENA	AP-ENA
	Color		—	Neutral White					
	Body Dimensions	H	mm	55	55	55	55	55	55
		W	mm	1100	1100	1100	1100	1370	1370
		D	mm	550	550	550	550	550	550
	Packaging Dimensions	H	mm	130	130	130	130	130	130
		W	mm	1160	1160	1160	1160	1430	1430
		D	mm	610	610	610	610	610	610
	Net Weight		kg	5	5	5	5	6	6
	Gross Weight		kg	8	8	8	8	10	10

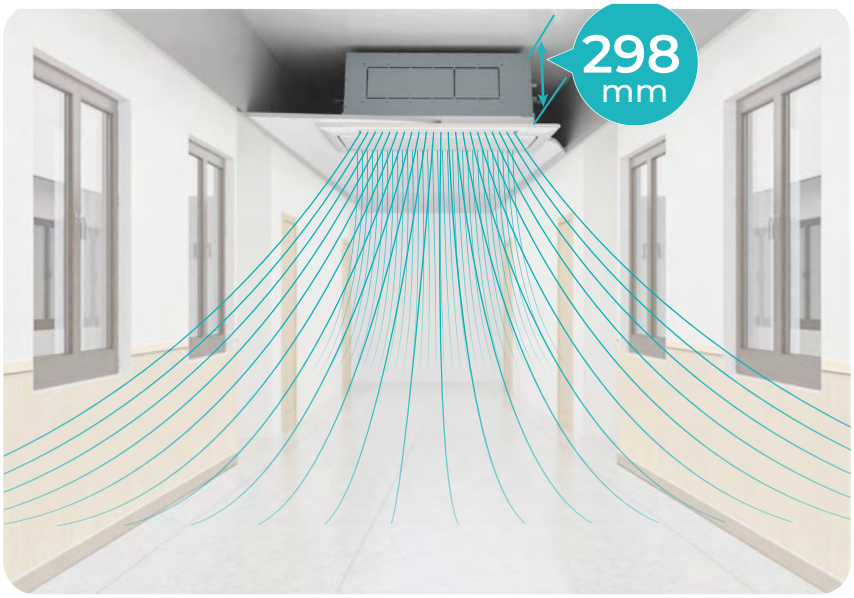
Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

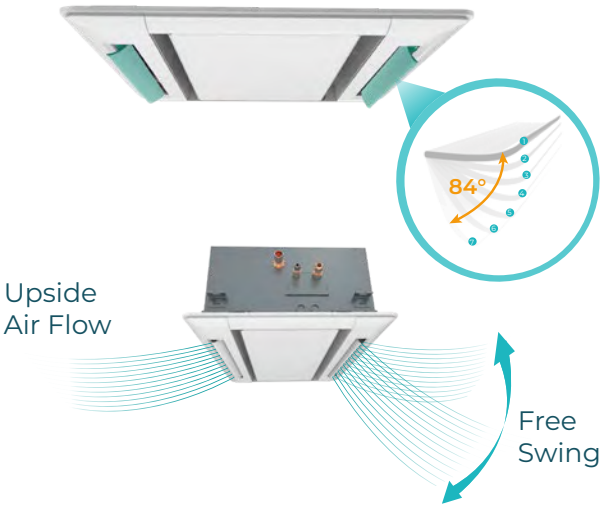
COMPACT AND CLASSY DESIGN

The slim structure of the cassette having height as low as 298mm can be installed in ceiling spaces with a minimum of 310mm.
Narrow corridors or zoned spaces are best fitted with 2 way cassette due to its compact design.



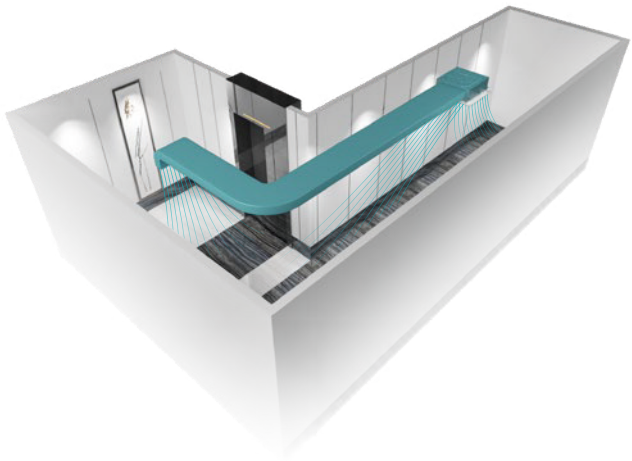
INDEPENDENT LOUVERS CONTROL

Кути відкривання кожної жалюзі контролюються індивідуально за допомогою 8 варіантів вибору, з кутом розкриття від 27° до 84° для задоволення потреб вузьких довгих коридорів з високими стелями та ефективної подачі теплого повітря в зимову пору року.



BRANCH DISCHARGE OPTIO

In irregular room layouts, branch discharge could come in handy by extending air distribution area to the most awkward corners without additional indoor units.





2-Way Cassette Type

Model				AER-CS22 CT2W	AER-CS28 CT2W	AER-CS36 CT2W	AER-CS45 CT2W	AER-CS56 CT2W	AER-CS71 CT2W	AER-CS80 CT2W	AER-CS90 CT2W	AER-CS112 CT2W	AER-CS140 CT2W	AER-CS160 CT2W
Power supply				AC 1Φ, 220-240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
	Heating		kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
Power Input	Cooling		W	14	14	14	24	34	44	64	74	84	104	114
	Heating		W	14	14	14	24	34	44	64	74	84	104	114
Sound Peassure			dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40
Air Flow Rate			m^3/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)										
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
Decoretion Panel	Model		—	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
	Color		—	Neutral White										
	Body Dimensions	H	mm	30	30	30	30	30	30	30	30	30	30	30
		W	mm	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660	1660
		D	mm	710	710	710	710	710	710	710	710	710	710	710
	Packaging Dimensions	H	mm	160	160	160	160	160	160	160	160	160	160	160
		W	mm	1170	1170	1170	1170	1170	1170	1170	1170	1710	1710	1710
		D	mm	740	740	740	740	740	740	740	740	740	740	740
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5
	Gross Weight		kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

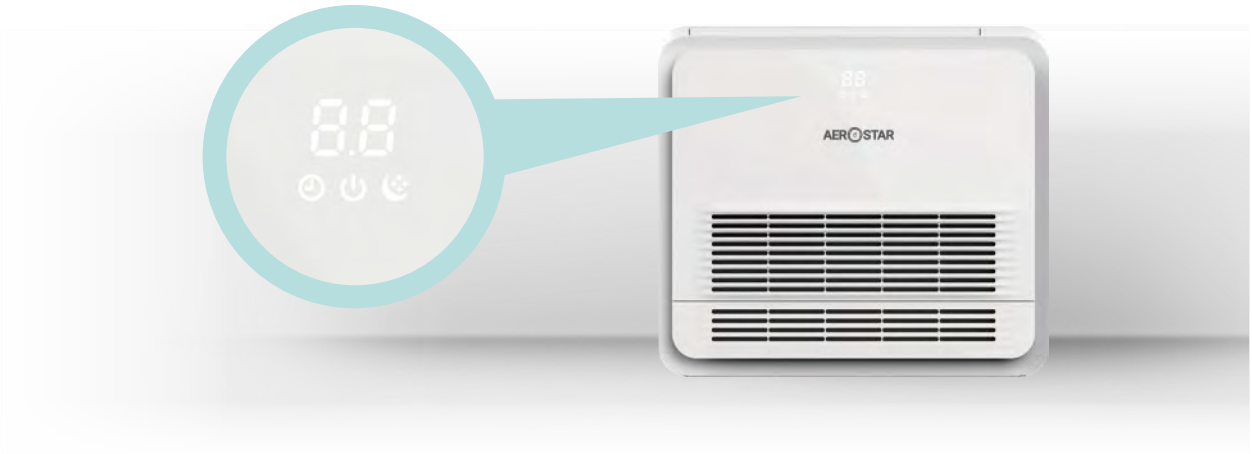
AEROSTAR

CONSOLE TYPE



STYLISH DESIGN

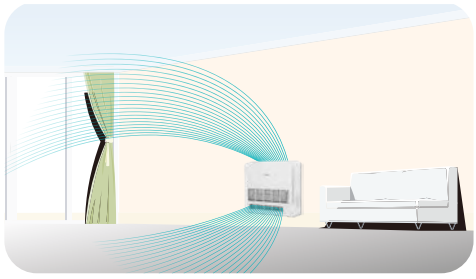
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conditioning, which is suitable for the residential or commercial applications which need an unit installed on or close to the floor.

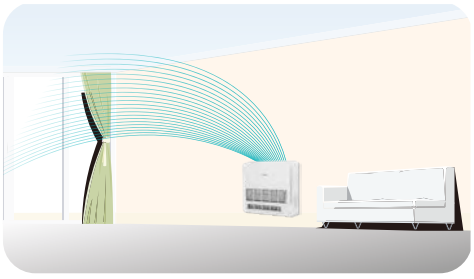


MULTIPLE BLOWING TYPES

Cooling Mode

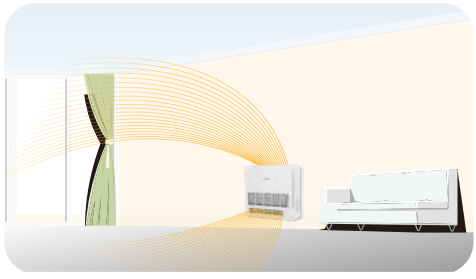
The unit adopts the stereo cooling mode that can reach the setting temperature rapidly.

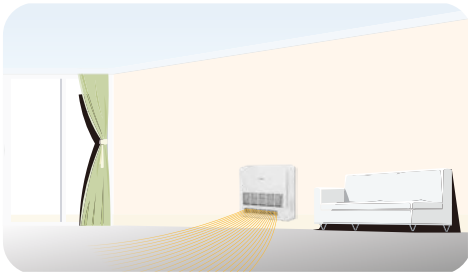




Heating Mode

Air supply through the below louver achieves floor heating effect and increases the comfortability.





Note:
In the Eco mode, when the indoor return air temp. is close to the setting temp., the upper air deflector is automatically closed, and the lower air outlet mode is activated.

FLEXIBLE INSTALLATION OPTIONS

The unit can stand directly on the floor, or be hanged on the wall.
According to the interior decoration style, the machine can choose surface mounted, embedded mounted, concealed mounted.



Standing on the floor



Hanging on the wall



Surface mounted

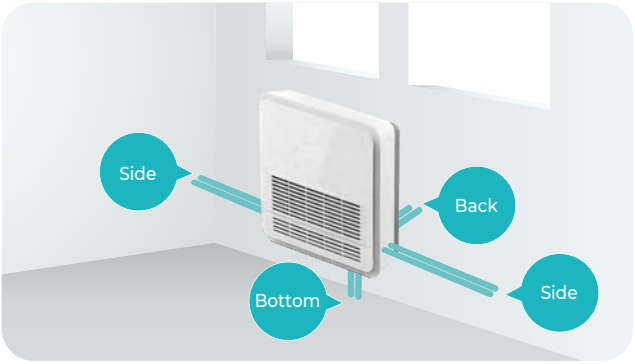
Embedded mounted

Concealed mounted

FLEXIBLE PIPING CONNECTION

Both refrigerant and drainage pipings are freely to connect in any direction including two sides (L or R) and bottom and back.

An additional direction to the back of the unit suitable for pipes which passing through walls.





Console Type

Model				AER-CS15 CWM	AER-CS22 CWM	AER-CS28 CWM	AER-CS36 CWM	AER-CS45 CWM	AER-CS50 CWM
Power supply				AC 1Φ, 220-240V/50Hz/60Hz					
Capacity	Cooling		kW	1.5	2.2	2.8	3.6	4.5	5.0
	Heating		kW	2.0	2.5	3.3	4.2	5.0	5.6
Power Input	Cooling		W	10	11	12	14	18	23
	Heating		W	10	11	12	14	18	23
Sound Peassure			dB(A)	32/30/29/ 28/26/24	34/32/31/ 29/27/26	36/35/32/ 31/29/27	39/36/34/ 31/29/27	41/39/37/ 35/33/32	44/43/41/ 39/37/36
Air Flow Rate			m^3/min	6.0/5.7/5.3/ 5.1/4.7/4.5	7.4/7.0/6.4/ 6.0/5.6/5.3	8.0/7.4/7.0/ 6.4/6.0/5.6	8.2/7.6/6.8/ 6.2/5.7/5.3	9.0/8.5/7.8/ 7.2/6.6/6.4	10.1/9.7/9.0/ 8.5/7.9/7.3
Panel Colour			—	Neutral White					
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)					
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
			inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
			inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain		mm	O.D.18					
Weight	Net Weight		kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight		kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H	mm	630	630	630	630	630	630
		W	mm	700	700	700	700	700	700
		D	mm	225	225	225	225	225	225
	Packaging	H	mm	725	725	725	725	725	725
		W	mm	790	790	790	790	790	790
		D	mm	315	315	315	315	315	315

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

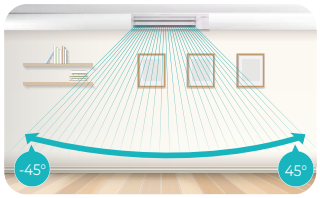
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

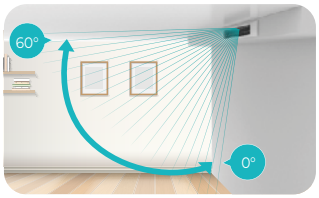
SPACE SAVING

Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

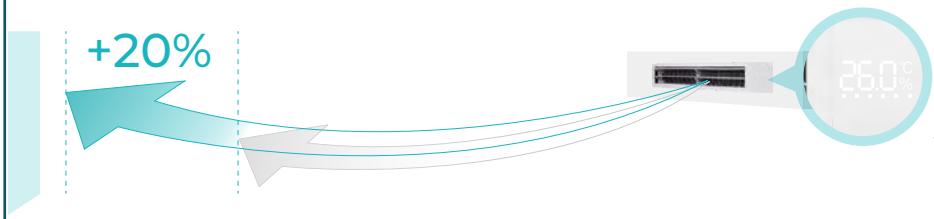


3D AIR FLOW





Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the AC/DC Low Height Ducted Units.



The 3D louvers on the panel offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.

SMART & PRECISE TEMPERATURE CONTROL

To prevent the human height area of the room cools or warms to user's ideal temperature setting.
Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise supplying temperature.



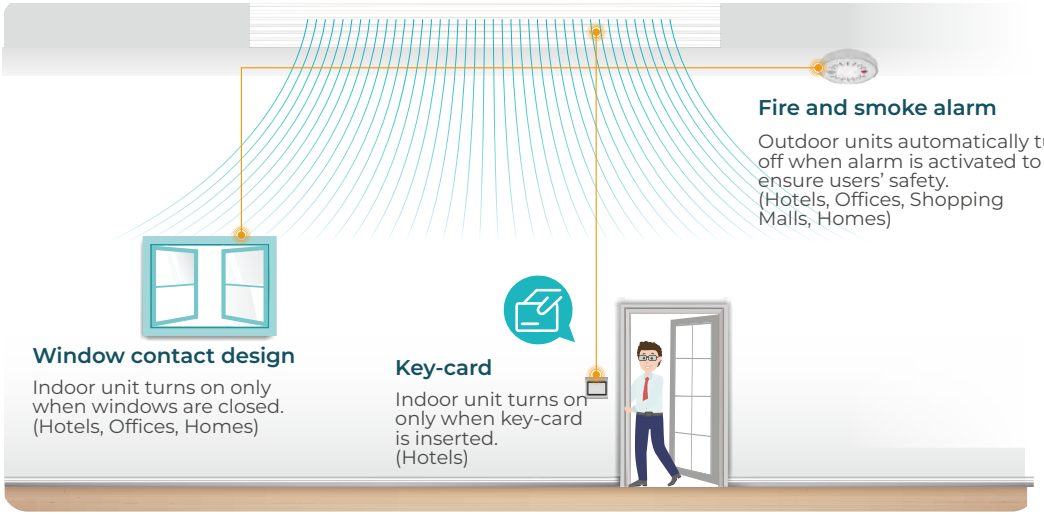
Aerostar VRF



Other

VARIOUS DEVICE CONNECTION OPTIONS

Third party devices to control the on-off air conditioners is possible with dry contact connections to the Indoor unit.
Devices like room key card, window contact and fire alarms can be connected simultaneously.





Ceiling Ducted Type (AC Low Height)

Model				AER-CS15 DLC	AER-CS22 DLC	AER-CS28 DLC	AER-CS36 DLC	AER-CS45 DLC	AER-CS50 DLC	AER-CS56 DLC	AER-CS63 DLC	AER-CS71 DLC
Power Supply				AC 1Φ, 220-240V/50Hz								
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating		kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power Input	Cooling		kW	50	50	70	70	80	80	100	120	120
	Heating		W	50	50	70	70	80	80	100	120	120
Sound Pressure			dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25
Airflow Rate			m³/min	7/5.5/4.7	7/5.5/4.7	9/5.7/4.8	9/5.7/4.8	12/6.3/5.5	12/6.3/5.5	13.5/8/7.7	18/9.3/8.7	18/9.3/8.7
External Static Pressure			Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Piping	Connection Type		—	Flare-nut Connection (with Flare Nuts)								
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32								
Weight	Net Weight		kg	16	16	17	17	21	21	25	26	26
	Gross Weight		kg	19	19	20	20	24	24	29	29	29
Dimentions	External	H	mm	192	192	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	910	1180	1180	1180
		D	mm	447	447	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1136	1406	1406	1406
		D	mm	574	574	574	574	574	574	574	574	574

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



Ceiling Ducted Type (DC Low Height)

Model				AER-CS15 DLDC	AER-CS22 DLDC	AER-CS28 DLDC	AER-CS36 DLDC	AER-CS45 DLDC	AER-CS56 DLDC	AER-CS71 DLDC
Power Supply				AC 1Φ, 220-240V/50Hz/60Hz						
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power Input	Cooling		W	30	30	50	50	60	60	90
	Heating		W	30	30	50	50	60	60	90
Sound Pressure			dB(A)	28/27/26/ 24/23/21	28/27/26/ 24/23/21	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/30/ 28/25/23	38/36/35/ 33/31/24
Airflow Rate			m^3/min	7.0/6.5/6.1/ 5.7/5.3/4.8	7.0/6.5/6.1/ 5.7/5.3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/ 6.7/5.9/5.2	12/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18/16.3/14.3/ 12.3/10.5/8.7
External Static Pressure			Pa	10(10-30-50)						
Piping	Connection Type		—	Flare-nut Connection(with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8
	Connection Drain		mm	I.D.32						
Weight	Net Weight		kg	16	16	17	17	20	24	24
	Gross Weight		kg	19	19	20	20	24	29	29
Dimensions	External	H	mm	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	1180	1180
		D	mm	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1406	1406
		D	mm	574	574	574	574	574	574	574

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB

2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

FLEXIBLE AIR DUCT LAYOUT



High static pressure facilitates extensive ducts and air outlets network, effectively sends air-conditioned air to every corner of the room.

NEW IMPROVED BENDABLE FILTERS



Standard filters that comes with high/low static pressure ceiling ducted type are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.



Ceiling Ducted Type (High Static Pressure)

Model				AER-CS 22 DH	AER-CS 28 DH	AER-CS 36 DH	AER-CS 45 DH	AER-CS 56 DH	AER-CS 63 DH	AER-CS 71 DH	AER-CS 80 DH	AER-CS 90 DH	AER-CS 112 DH	AER-CS 140 DH	AER-CS 160 DH	AER-CS 224 DHD	AER-CS 280 DHD
Power Supply				AC 1Φ, 220~240V/50Hz												AC 3Φ, 380~415V/50Hz	
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
Power Input	Cooling		kW	0.10	0.10	0.13	0.13	0.14	0.19	0.19	0.25	0.25	0.25	0.34	0.43	1.08	1.34
	Heating		kW	0.10	0.10	0.13	0.13	0.14	0.19	0.19	0.25	0.25	0.25	0.34	0.43	1.08	1.34
Sound Pressure	220-240V/50Hz		dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35	52	54
	208V/60Hz		dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34	52	54
	230V/60Hz		dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38	52	54
Air Flow	(Hi./Me./Lo.)		m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	58	77.5
External Static Preassure	220-240V/50Hz 208V/60Hz		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
	230V/60Hz		Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)	—	—
Piping	Connection Type		—	Flare-nut Connection(with Flare Nuts)												Brazing	
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.20
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
	Condensate Drain		mm	I.D.32													
Weight	Net Weight		kg	25	25	25	25	30	30	30	45	45	45	53	53	94	106
	Gross Weight		kg	31	31	31	31	36	37	37	52	52	52	61	61	106	111
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415	546	546
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1640	1640	1640	1276	1466
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB.
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB
Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

**1: For AER-CS224/280DHD, the filter is not standard.*



Ceiling Ducted Type (Low Static Pressure)

Model			AER-CS 22 DLS	AER-CS 28 DLS	AER-CS 36 DLS	AER-CS 45 DLS	AER-CS 56 DLS	AER-CS 63 DLS	AER-CS 71 DLS	AER-CS 80 DLS	AER-CS 90 DLS	AER-CS 112 DLS	AER-CS 140 DLS	AER-CS 160 DLS
Power Supply			AC 1Φ, 220~240V/50Hz											
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
Power Input	Cooling	kW	60	60	110	110	90	160	160	240	240	240	290	360
	Heating	kW	60	60	110	110	90	160	160	240	240	240	290	360
Sound Pressure		dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33
Air Flow Rate	(Hi./Me./Lo.)	m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24
External Static Preassure	230V/60Hz	Pa	30	30	30	30	30	30	30	60	60	60	60	60
Piping	Connection Type	—	Flare-nut Connection (with Flare Nuts)											
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	I.D.32											
Weight	Net Weight	kg	25	25	25	25	30	30	30	45	45	45	52	52
	Gross Weight	kg	31	31	31	31	36	37	37	52	52	52	61	61
Dimensions	External H	mm	270	270	270	270	270	270	270	300	300	300	300	300
	External W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
	External D	mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging H	mm	385	385	385	385	385	385	385	415	415	415	415	415
	Packaging W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
	Packaging D	mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB, 19.0°C WB
Outdoor Air Inlet Temperature: 35°C DB
Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB.
Outdoor Air Inlet Temperature: 7°C DB, 6°C WB
Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.