



Alliance

NEW

R410A HIGH STATIC DUCTED RANGE

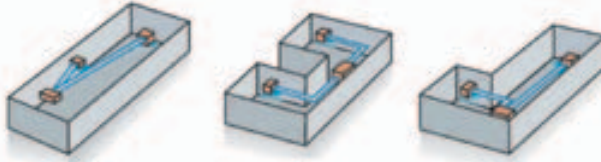
3 MODELS: CSU96HD, 150HD and 205 HD, single-phase indoor splits, 3-phase outdoor units



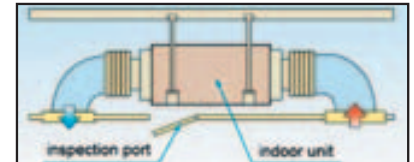
- *Multi diffusers from one indoor unit supply airflow to several rooms for applications such as restaurants, hotels etc.*
- *Indoor airflow 5100 m³/h up to 10 800 m³/h*
- *Eco-friendly R410A gas*
- *External static pressure up to 196Pa*
- *High-efficiency scroll compressor*
- *Anti-corrosive hydrophilic heat exchanger fins*
- *Backed nationwide by Alliance branches in every main metropolitan centre*

Alliance R410A High Static Ducted Range

In response to public demand, Alliance now offers 3 R410A Ducted units for operation in temperatures of up to 46°C, matched with high static pressure indoor units. External static pressure of the indoor unit reaches up to 196Pa. A 3-phase outdoor unit has double direct-drive motors and axial fan for low noise levels, while heat exchanger fins are coated with anti-corrosive and hydrophilic layers to ensure long life. A multi-measurement system with self-diagnosis function, high pressure protection and temperature sensor on/off protection provides maximum reliability. An inspection port affords easy maintenance and a wired controller is standard.



Duct-type units ensure flexible design



Inspection port for easy maintenance

SPECIFICATIONS

INDOOR UNIT			CSU-96HD	CSU-150HD	CSU-205HD
Power supply		V/Ph.Hz	220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz
Cooling	Capacity	Btu/h	96,000	150,100	192,000
		W	28,100	44,000	56,300
	Input	W	9,600	16,300	22,000
	EER	W/W	2.93	2.70	2.56
Heating	Capacity	Btu/h	106,000	160,300	205,000
		W	31,100	47,000	58,600
	Input	W	10,300	15,700	19,300
	COP	W/W	3.02	2.99	3.04
Rated input (Indoor unit)		W	1,400	2,730	4,690
Rated current (Indoor unit)		A	5.8	12.1	20.9
Indoor air flow		(m ³ /h/CFM)	5,100 (3,000)	8,500 (5,000)	10,800 (6,354)
Indoor standard ESP		Pa	196	196	196
Indoor noise level		dB(A)	56	63	65
Refrigerant type			R410A	R410A	R410A
Refrigerant pipe (Liquid/ Gas)		mm	Φ9.52/Φ25	Φ16/Φ32	Φ16/Φ32
Drain pipe size		mm	Φ41	Φ41	Φ41
Dimension (W×H×D)		mm	1,366×450×716	1,828×668×858	1,828×668×858
Packing (W×H×D)		mm	1,555×500×875	2,095×800×964	2,095×800×964
Net/Gross weight		kg	96/108	188/200	235/250
OUTDOOR UNIT			CSU-96HDX	CSU-150HDX	CSU-205HDX
Power supply		V-Ph-Hz	380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz	380-415V~, 3Ph, 50Hz
Ambient temp in cooling		°C	17-46	17-46	17-46
Ambient temp in heating		°C	-7-24	-7-24	-7-24
Rated input (Outdoor unit)		W	26,900	32,200	32,200
Rated current (Outdoor unit)		A	47.9	53.8	53.8
Noise level		dB(A)	70	73	73
Type x Qty		Scroll x3	Scroll x 3	Scroll x 3	Scroll x 3
Capacity			17,100	15,390	17,100
Input		5,130	5,700	5,130	5,700
Rated current		8.8	9.6	8.8	9.6
Locked rotor Amp		62	64	62	64
Refrigerant oil		500 (FVC68D)	500 (FVC68D)	500 (FVC68D)	500 (FVC68D)
Refrigerant type/charge		\	R410A/10,000g	R410A/11,800g	R410A/11,800g
Tube size		mm	Φ7	Φ7.94	Φ7.94
Liquid side/ Gas side		mm	Φ9.52/Φ25	Φ16/Φ32	Φ16/Φ32
Max. pipe length		m	50	50	50
Max. difference in level		m	25m(O.D. up) /30m(O.D. down)	25m(O.D. up) /30m(O.D. down)	25m(O.D. up) /30m(O.D. down)
Dimension (W×H×D)		mm	1,255×908×700	1,250×1,615×765	1,390×1,615×765
Packing (W×H×D)		mm	1,320×1,060×730	1,305×1,790×820	1,455×1,790×830
Net/ Gross weight		kg	187/204	288/308	320/336

Alliance reserves the right to discontinue or change specifications or design at any time without notice and without incurring obligation

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