

**GREAT NEW RANGE**

**Alliance**

Affordable quality · Proven reliability · Since 2006



## Alliance Rooftop Models

FOUR 26 · FOUR 35 · FOUR 53 · FOUR 70 · FOUR 87 · FOUR 98

- 26kW (cooling)/30kW (heating) to 98kW (cooling) /111.5kW (heating)
- 89 000 Btu/h to 335 000 Btu/h cooling
- 103 000 Btu/h to 380 000 Btu/h heating
- 3 phase
- Suitable for installation on rooftop or ground
- Indoor airflow from 2830 CFM to 11 200 CFM
- 2 Year warranty on the Compressor & 1 Year warranty on the Unit

*Total Comfort*

# Alliance Rooftop Package Range

FOUR 26 · FOUR 35 · FOUR 53 · FOUR 70 · FOUR 87 · FOUR 98

Alliance's new range of six different Rooftop models can be used in a wide range of industrial applications. Suitable for installation on rooftops or ground, their durable exterior panels pass the 1000-hour salt spray test. A multi-protection design of these Alliance units ensures system current protection, high/low pressure switch protection and temperature sensor on/off protection. A system self-diagnostic function and external pressure ports provide convenient, fast checking.



Nominal		(kW)	26	35	53	70	87	98
Model			FOUR26	FOUR35	FOUR53	FOUR70	FOUR87	FOUR98
Power supply		\	380 - 415V, 3Ph~, 50Hz	380 - 415V, 3Ph~, 50Hz	380 - 415V, 3Ph~, 50Hz	380 - 415V, 3Ph~, 50Hz	380 - 415V, 3Ph~, 50Hz	380 - 415V, 3Ph~, 50Hz
Cooling	Cooling capacity	Btu/h	89,000	120,000	180,000	240,000	300,000	335,000
		kW	26.0	35.0	53.0	70.0	88.0	98.0
	Power input	kW	7.9	10.7	16.7	22.6	28.9	32.8
Heating	Heating capacity	Btu/h	103,000	137,000	191,000	260,000	330,000	380,000
		kW	30.0	40.0	56.0	75.0	97.0	111.5
	Power input	kW	8.9	11.9	17.2	23.6	30.3	36.5
Max. input consumption		kW	12.0	16.0	25.0	32.5	38.5	49.5
Max. current		A	24.8	28.8	46.1	63.2	74.3	81.7
Performance	Indoor air flow	CFM	2,830	4,100	7,000	8,800	10,000	11,200
	ESP	Pa	Default: 80; 0 - 250	Default: 90; 0 - 250	Default: 110; 0 - 325	Default: 120; 0 - 375	Default: 110; 0 - 350	Default: 270; 25 - 400
	EER	Btu/h.W	11.3	11.2	10.8	10.6	10.4	10.2
	COP	Btu/h.W	11.6	11.5	11.1	11.0	10.9	10.4
Compressor	Model		HCJ106	E654DH-65D2G	ZP61KCE-TFD-522	ZP144KCE-TFD-522	SH161A4ALC	SH184A4ALC
	Brand		Danfoss	Hitachi	Copeland	Copeland	Danfoss	Danfoss
Refrigerant	Type	\	R410A	R410A	R410A	R410A	R410A	R410A
	Volume	kg	4.8	2.9+2.9	6.1+3.0	6.9+6.9	8.7+8.7	10+10
	Control	\	Throttle valve	Throttle valve	Throttle valve	Throttle valve	Capillary	Capillary
Sound pressure level		dB(A)	72.1	71.5	76.9	75.3	76.8	77.9
Ambient temperature (Cooling)		°C	10 - 46	10 - 46	10 - 46	10 - 46	10 - 46	10 - 46
Ambient temperature (Heating)		°C	-9 - 24	-9 - 24	-9 - 24	-9 - 24	-9 - 24	-9 - 24
System stage		\	2	2	2	2	2	2
Dimensions	Net (W×H×D)	mm	1,475×840×1,130	1,483×1,231×1,138	1,965×1,230×1,130	1,670×1,247×2,192	2,320×1,245×2,220	2,320×1,245×2,220
	Weight	kg	244	343	492	690	940	970

**Notes:**

- Nominal ton only for reference. Cooling capacity as per specifications;
- Cooling capacity test condition:  
Outdoor ambient temperature: 35°C, indoor temperature: 26.7°CDB, 19.4°CWB;  
Heating capacity test condition:  
Outdoor ambient temperature: 7°CDB, 6°CWB, indoor temperature: 20°C;

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.



KZN: Tel: (032) 648 0037 Email: sales@totalcomfort.co.za  
GAUTENG: Tel: (011) 795 3696 Email: gauteng@totalcomfort.co.za

www.totalcomfort.co.za

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