



Turn to the Experts.

Carrier Fixed Speed Ducted

The Carrier **fixed speed ducted** allows you to air condition your home **without having to install the indoor unit on your wall**, making your home look neat and tidy.

The indoor unit is installed in a confined space and **ducting runs through the ceiling** leading to air outlets in your room. Air is allowed into the room through vents on the ceiling or on the wall.

Advantages of the Carrier Fixed Speed Ducted

Reverse cycle system (heating and cooling)	Compact unit concealed in ceiling
5 speed motor including high/medium/low*	2 or 4 zone control
Easy to install	R410A non ozone depleting refrigerant
Easy to use controller	Low maintenance
5 year warranty for consumer confidence	Manufactured using high quality materials

Features and benefits

Feature	Benefit
Wired controller	Controller is secured to the wall and can never be displaced
Backlit	For ease of use during the day and night
Zone control	Up to 4 zones can be set. These can be turned on/off as required
Fan speeds	Five fan speeds
Operating modes	Five operating modes - fan/cool/dry/heat/auto
Weekly schedule timer	Convenient for setting different schedules on weekends and weekdays
Temperature setting	Set the minimum and maximum limit of each type of operation including heat and cool to cover for all variances in weather
Auto restart	In case of power interruption the control will automatically resume its operation with the same settings



INDOOR			42FDT11	42FDT15	42FDT18	42FDT21	42FDT25	
OUTDOOR			38FDT11	38FDT15	38FDT18	38FDT21	38FDT25	
Total Rated Cooling Capacity*	kW		10.9	15.0	18.6	21.0	25.4	
Rated Sensible Cooling Capacity	kW		9.4	12.5	15.0	17.4	20.9	
Rated Dehumidifying Effect	kW		1.5	2.5	3.6	3.6	4.5	
Moisture removal	L/hr		2.17	3.67	5.34	5.34	6.61	
Rated AEER	W/W		3.20	3.11	3.12	3.10	3.10	
Total Rated Heating Capacity**	kW		10.9	14.6	18.4	21.0	24.7	
Rated ACOP	W/W		3.56	3.64	3.53	3.30	3.30	
Power supply	V/Ph/Hz		380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	
Running current	Cooling	A	5.35	7.65	9.25	12.60	15.00	
	Heating	A	4.90	6.45	8.30	10.15	14.30	
Power consumption	Cooling	W	3,400	4,820	5,950	6,730	8,200	
	Heating	W	3,050	4,000	5,200	6,320	7,510	
Piping connection	Type (Liq./Gas)	Flare / Flare			Solder / Solder			
	Liq./Gas/Drain	mm	Ø9.5/15.9/D.26.6	Ø12.7/19.0/D.26.6	Ø12.7/19.0/D.26.6	Ø12.7/22.2/D.26.6	Ø12.7/28.6/D.26.6	
	Max. Length	m	30	30	30	50	50	
	Max. Height	m	+/- 15	+/- 15	+/- 15	+/- 15	+/- 15	
INDOOR UNIT	Evaporator coil	Face area	m ²	0.48	0.85	0.96	0.76	0.86
		Row		3	3	3	4	4
		Fin Type/ Fin pitch	mm	Louver/1.21	Louver/1.41	Louver/1.21	V-Waffle/1.81	V-Waffle/1.81
		Tube	mm	Ø7 - Grooved	Ø7 - Grooved	Ø7 - Grooved	Ø9.53 - Grooved	Ø9.53 - Grooved
	Blower	Size Dia. x Length	mm	Ø203 x 236	Ø203 x 236	Ø203 x 287	Ø203 x 287	Ø203 x 236
		No.		2	2	2	3	4
	Fan motor	Power supply	V/Ph/Hz	220-240/1/50				
		No.		1	1	1	2	2
		Full Load Current	A	2.10	3.50	3.50	2.10 x 1 - 1.70 x 1	2.10 x 2
		Nominal Output	W	311	527	527	311 x 1 - 200 x 1	311 x 2
	Nominal air flow rate	l/s		760/635/535	930/890/815	1040/915/750	1230/1030/840	1500/1250/1020
	External static pressure	Min - Max	Pa	25 - 150	25 - 150	25 - 150	25 - 150	25 - 150
	Sound pressure level at 1 m.	dB (A)		48/46/44	51/49/47	51/49/47	54/49/44	56/51/46
	Unit Dimensions	H x W x D	mm	360 x 1400 x 660	360 x 1400 x 660	440 x 1400 x 850	440 x 1650 x 810	440 x 1850 x 810
	Net weight	Kg		62	73	80	88	98
	Gross weight	Kg		68	79	88	106	118
	OUTDOOR UNIT	Condenser coil	Face area	m ²	0.48	0.85	0.96	0.76
Row				3	3	3	4	4
Fin Type/ Fin pitch			mm	Louver/1.21	Louver/1.41	Louver/1.21	V-Waffle/1.81	V-Waffle/1.81
Tube			mm	Ø7 - Grooved	Ø7 - Grooved	Ø7 - Grooved	Ø9.53 - Grooved	Ø9.53 - Grooved
Fan		Size Dia. x Length	mm	Ø203 x 236	Ø203 x 236	Ø203 x 287	Ø203 x 287	Ø203 x 236
		No.		2	2	2	3	4
Fan motor		Power supply	V/Ph/Hz	220-240/1/50				
		No.		1	2	2	2	2
		Full Load Current	A	1.10	1.10 x 2	1.10 x 2	1.62 x 2	1.62 x 2
		Nominal Output	W	139	139 x 2	139 x 2	200 x 2	200 x 2
Compressor		Type		Rotary	Scroll			
		Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant		Type		R410a				
		Charging weight at 12m Pipe Length	Kg	3.95	4.85	5.95	7.95	9.45
		Additional Charge	g/m	50	100	100	100	100
Nominal air flow rate at High Speed***		l/s		1400	2000	2000	3000	3000
Sound pressure level at 1 m.		dB (A)		60/56/51	61/58/55	61/58/55	67/60/51	65/58/49
Sound pressure level at 3m.	dB (A)		53/48/44	54/51/48	54/51/48	60/54/44	58/51/43	
Unit Dimensions	H x W x D	mm	970 x 970 x 390	1316 x 970 x 390	1474 x 970 x 390	1552 x 1150 x 490	1552 x 1150 x 490	
Net weight	Kg		78	106	130	148	172	
Gross weight	Kg		82	111	135	173	197	

Notes: * Cooling capacity and electric characteristics are based on 27°C DB, 19°C WB indoor temp. and 35°C outdoor temp. at medium speed, Power Supply 415V/3PH/50Hz, Refrigerant pipe length 7.5m.

** Heating capacity and electric characteristics are based on 20°C DB indoor temp. and 7°C DB, 6°C WB outdoor temp. at medium speed, Power Supply 415V/3PH/50Hz, Refrigerant pipe length 7.5m.

*** Three-speed Fan Motor for Outdoor unit

OPERATING RANGE			
MODE	RANGE	INDOOR AIR TEMP.	OUTDOOR AIR TEMP.
Cooling	Max.	29°C DB / 19°C WB	52°C DB
	Min.	20°C DB / 15°C WB	15°C DB
Heating	Max.	27°C DB	24°C DB / 16°C WB
	Min.	20°C DB	-10°C WB



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Notice: AHI Carrier is committed to continuously improving its products, to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications subject to change without prior notice.

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