Ducted Fan Coil Data Sheet

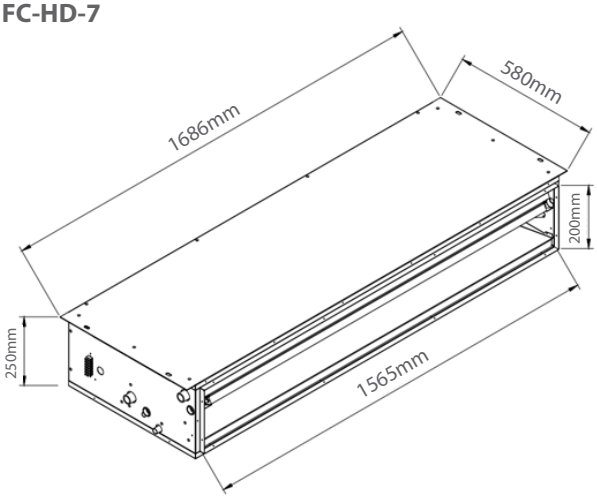
The FC-HD and FC-HDHSP range delivers superior performance, providing efficient heating and cooling for whole-home comfort that's both powerful and quiet.

Hidden from view, these systems offer seamless integration, ensuring your comfort is felt, not seen. Experience the discreet, consistent performance throughout your home.

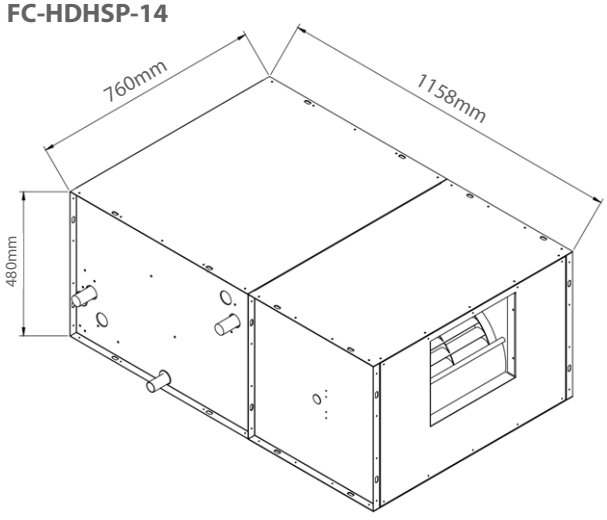
- Low-noise performance ensures a comfortable indoor environment.
- Ideal for applications where heating and cooling large areas and multiple rooms is required.
- 0-10V signal modulation allowing for precise fan speed management in real time.
- Wide range of output capacities and sizes.
- Various diffuser and grille types available.
- x2 Pipe heat exchanger for simple connection.

Dimensions

FC-HD-7



FC-HDHSP-14



Performance

Performance at nominal conditions is included in the table below, for performance figures at other conditions please contact us:

FC-HBI		FC-HD-7*	FC-HD-9	FC-HDHSP-14*	FC-HDHSP-25
Total Cooling @ 7/12/25°C 50%RH	W	7142	9285	14416	25424
Sensible Cooling @ 7/12/25°C 50%RH	W	5314	6756	12046	20991
Cooling Flow Rate	l/h	1228	1597	2480	4373
Cooling Pressure Drop	kPa	3.9	6.7	19.8	23.9
Heating @ 45/40/20°C	W	9111	11629	19700	34100
Heating Flow Rate	l/h	1567	2000	3388	5868
Heating Pressure Drop	kPa	5.5	9.2	32.1	37.4
Norminal Fan Pressure	Pa	100	100	106	135
Max Air Flow	m^3/h	1232	1426	3350	5800
Max Sound Power	dB(A)	51	52	46	50
Max Input Power	W	460	460	609	1533

**Units stocked by CHNZ - all others available via indent order*

Fittings Kit

To simplify the installation a valve and fittings kit for the FC-HD7 and FC-HDHSP-14 fan coils is available from CHNZ:

FC-HD-7 Fitting Kit - FCFITHD

Quantity	Description	Product Code
2	Brass ¾" BSP Hex Nipple - Plain	HMHBHN20
2	Brass ¾" BSP Hex Nipple - With Seal Face	HMHBHNS20
2	Brass ¾"- ½" BSP Hex Reducing Bush	HMHBRB2015
2	Brass ½" BSP Female Tee	HMHBFT20
2	¾" Swivel Union Ball Valve	BXCKHT
2	½" Drain/Fill Tap	DRAINTAP15

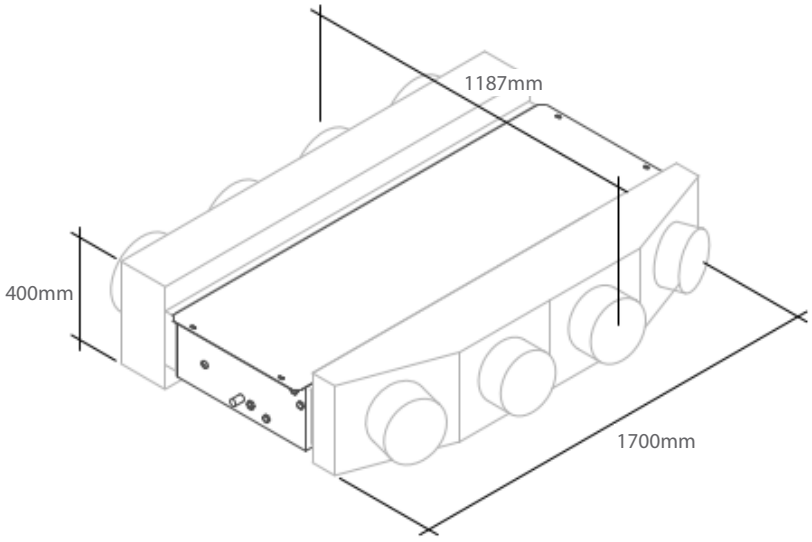
FC-HDHSP-14 Fitting Kit - FCFITHDHSP

Quantity	Description	Product Code
2	Stainless 25mm x 15mm Reducing Bush	STREDB2515
2	Stainless Tee 25mm	STT25
2	FAR 1" Ball Valve with Swivel Union	VBF1FMBG
2	½" Drain/Fill Tap	DRAINTAP15

Standard Plenums

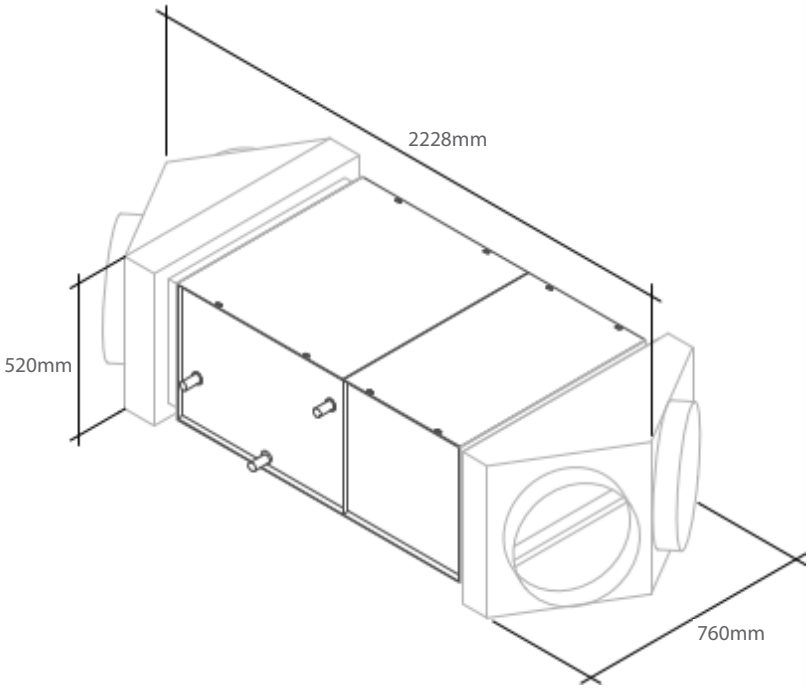
For the stocked sizes of the FC-HD7 and FC-HDHSP-14 fan coils CHNZ also have standard plenum options available:

FC-HD-7 Plenums:

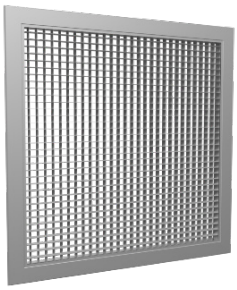


Plenum	Size of Spigots	Quantity of Spigots	Product Code
Supply	Ø300	4	FCAPL-SP7
Return	Ø300	4	FCAPL-RT7
Return with Filter	Ø300	4	FCAPL-RT7F

FC-HDHSP-14 Plenums:



Plenum	Size of Spigots	Quantity of Spigots	Product Code
Supply	Ø450	2	FCAPL-SP14
Return	Ø450	2	FCAPL-RT14
Return with Filter	Ø450	2	FCAPL-RT14F

Grilles & Ducting

Grilles and ducting will be selected and quoted to suit a projects requirements, a wide range of grille and ducting options are available. Further details on these options are included in the installation manual and speak to your local sales representative.