

# Better Together

A complete solution is now available



## TRUSTED SOURCE FOR YOUR AIR-CONDITIONING TECHNOLOGY NEEDS

Hitachi Cooling & Heating, pioneers in variable refrigerant flow (VRF) technology, now offers system manufacturers with new-to-market DC Inverter products. Complementing industry-leading Hitachi variable speed Scroll compressors, have confidence in your systems by utilizing our proven solutions.

## YOU CAN RELY ON US

Engineered by experts in VRF systems, Hitachi DC Inverters deliver superior performance and reliability. With in-house optimization and testing, we offer best-in-class quality assurance. Our team of specialists will assist you with system design and integration to ensure your market success. Shorten system development time and launch your VRF products faster with Hitachi inverter solutions.

## READILY OPTIMIZED INVERTER

- Pre-set Hitachi Scroll compressor parameters for optimal performance
- Advanced PMSM sensor-less algorithm based on field-oriented control
- Frequency command accuracy 1Hz for improved application comfort
- High pressure differential start-up capacity (1.8MPa) to ensure high reliability
- Built-in protection functions for ensured on-field reliability and safety
- Universal standard Modbus communication protocol for easier application use





## LINE-UP

Compressor	E655DHD-65D2YG E656DHD-65D2YG E705DHD-72D2YG E706DHD-72D2YG	AA50PHDG-D1Y2 AA55PHDG-D1Y2	DC65PHDG-D1Y2 DC80PHDG-D1Y2	AA55PHDG-D1Y6	DA65PHDG-D1Y6 DA80PHDG-D1Y6
Refrigerant	R410A	R410A	R410A	R32	R32
Inverter	<b>HDA1 140A A1XX</b>	<b>HDA1 180G A1XX</b>	<b>HDA1 180H A1XX</b>	<b>HDA1 180K A1XX</b>	<b>HDA1 180L A1XX</b>
Noise Filter (*)	FLT140A	NF164J-A	NF165J-A	NF164J-A	NF165J-A
Reactor (*)	R3010J-A	R3010J-A	R4010J-A	R3010J-A	R4010J-A

\*Suggested original equipment components

## SPECIFICATIONS

Inverter	HDA1 140A A1XX	HDA1 180G A1XX	HDA1 180H A1XX	HDA1 180K A1XX	HDA1 180L A1XX
Voltage	380~415V AC 3P3W	380~415V AC 3P4W	380~415V AC 3P4W	380~415V AC 3P4W	380~415V AC 3P4W
Power Input (kW)	14	10	20	10	20
Speed (rps)	10-100	15-140	10-130	15-140	10-130
Operating Temperature (°C)	-25.0~65.0	-25.0~65.0	-25.0~65.0	-25.0~65.0	-25.0~65.0
Dimensions(H×W×L) (mm)	300×230×156	311×241×167	312×241×167	313×241×167	314×241×167
Operating Altitude Limit (m)	Up to 2,000	Up to 2,000	Up to 2,000	Up to 2,000	Up to 2,000
MAX Humidity(Non condensing) (%)	90	90	90	90	90

## PRODUCT IMAGE SAMPLES

### Inverter



HDA1 180H A1XX

### Noise Filter



FLT140A

### Reactor



R3010J-A

Johnson Controls-Hitachi Wanbao Compressor (Guangzhou) Co., Ltd.

### GENERAL INQUIRES

JCH-General-Inquiries@jci.com

### TECHNICAL SUPPORT

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