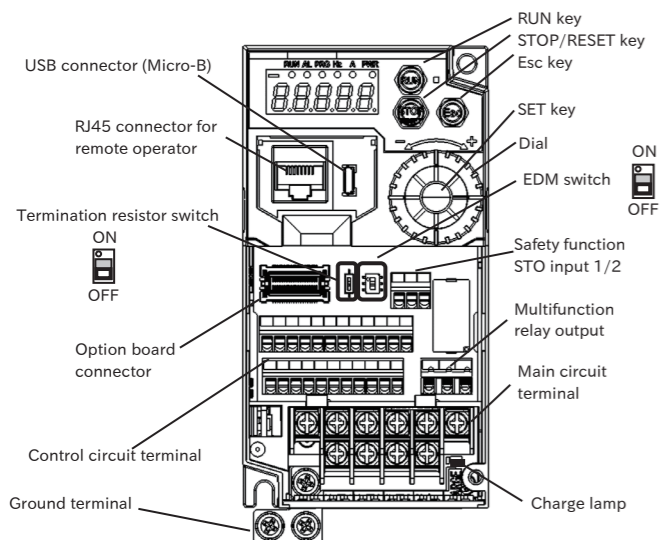


Inverter HF-620 Series

Thank you for purchasing HF-620 series Inverter. This is a manual that explains the handling, maintenance, etc. of the HF-620. This Manual contains only the minimum information for handling. Please be sure to read this Manual, as well as the HF-620 User's Guide for extended mode, which contains detailed instructions, to use it correctly. Please obtain the User's Guide for HF-620 from our website or agency.

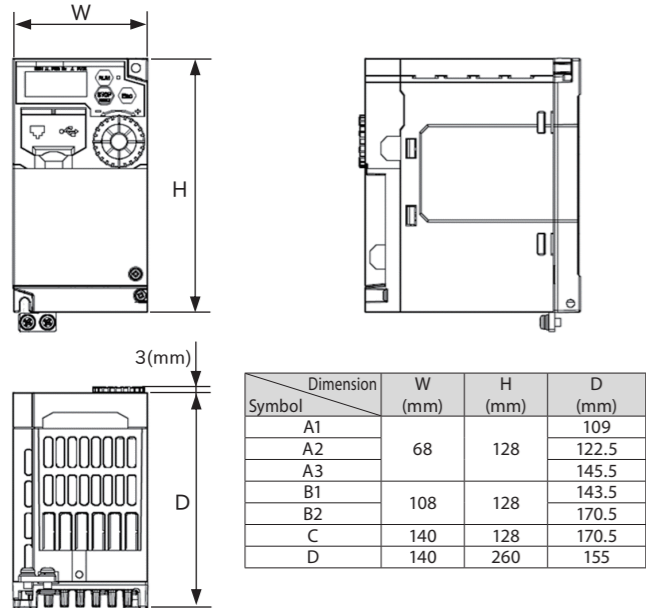
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Name of Parts



Dimensions and Connection Diagram

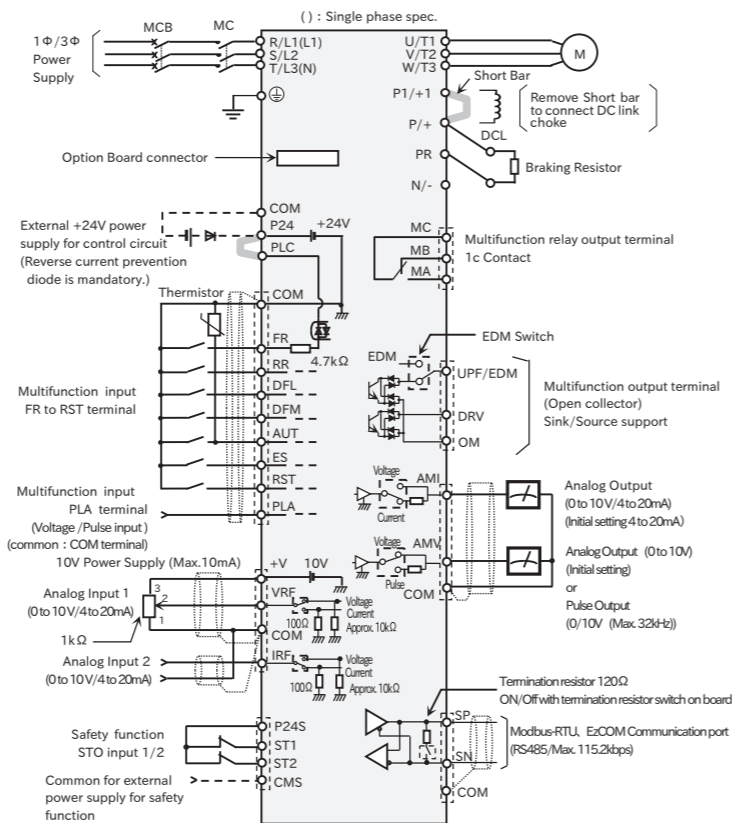
Dimensions



Capacity (kW)	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5
Power Supply								
Single phase 200V	A1	A2	B2	B2	B2	-	-	-
Three phase 200V	A1	A2	A3	B2	B2	C	D	D
Three phase 400V	-	B1	B2	B2	B2	C	D	D

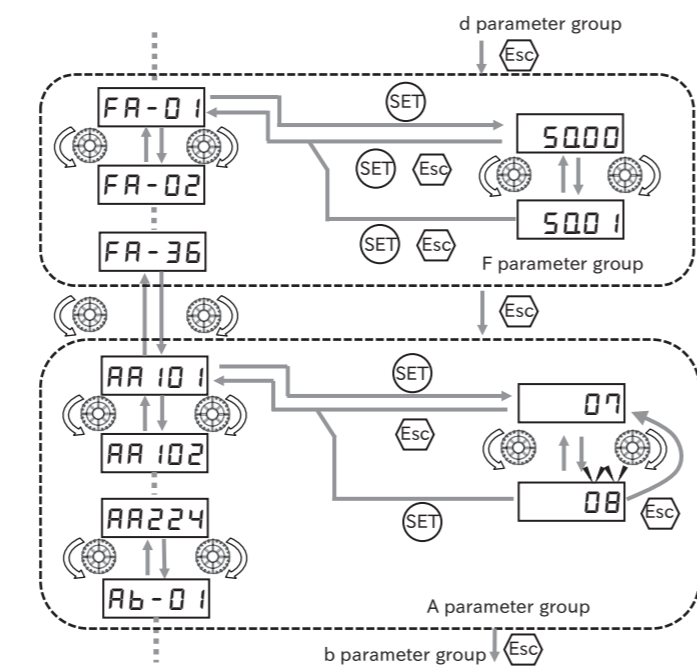
Capacity (kW)	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5
Power Supply								
Single phase 200V	1.0	1.1	1.6	1.8	1.8	-	-	-
Three phase 200V	1.0	1.1	1.2	1.6	1.8	2.0	3.5	3.5
Three phase 400V	-	1.5	1.8	1.8	1.8	2.0	3.5	3.5

Standard Connection Diagram



Key and Dial

Name	Function code display	Data display
Esc key	Moves to the next function code group.	Cancels and returns to the function code display.
SET key	Moves to the data display.	Fixes and saves the data and back to the function code display.
Dial	Increases or decreases the function code and data value.	



Name	Action
RUN key	RUN from keypad
STOP/RESET key	(in RUN mode) Decelerate and stop the inverter. (in TRIP mode) Reset from a tripped alarm of inverter.

Quick Start Essential Parameters

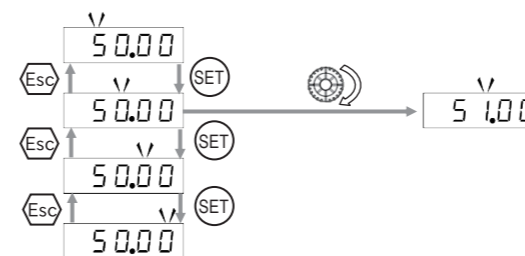
Parameters Mentioned in the Quick Start

FA-01	Main speed reference setting (monitor)
FA-10	Acceleration time setting (monitor)
FA-12	Deceleration time setting (monitor)
AA101	Main speed input source selection, 1st-motor
AA111	RUN command input source selection, 1st-motor
AA115	STOP mode selection, 1st-motor
bC110	Electronic thermal level setting, 1st-motor
Hb102	Async. Motor capacity setting, 1st-motor
Hb103	Async. Motor number of poles setting, 1st-motor
Hb104	Async. Motor base frequency setting, 1st-motor
Hb105	Async. Motor maximum frequency setting, 1st-motor
Hb106	Async. Motor rated voltage, 1st-motor
Hb108	Async. Motor rated current, 1st-motor

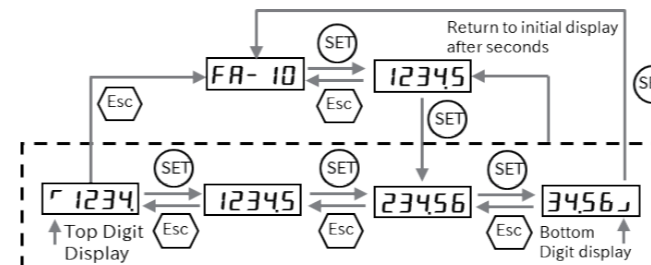
(Tips)

Press and hold SET key to be in the mode to edit digits by digits.

Press Esc to increment and SET to decrement to select digit and then Dial to set that digit.



For numbers with 6 digits or more, Esc key and SET key can switch the digits to be displayed.



To Set the Frequency Source

- 1) Select "AA101" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to select "speed input source".

01	Terminal [VRF]
02	Terminal [IRF]
07	Parameter setting
09	Option
12	Pulse input
15	PID function

- 4) Press SET key.

To Set the Output Frequency Using Dial

- When Parameter setting (07) is set on [AA101], set frequency as below.

- 1) Select "FA-01" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to set output frequency.

0.00 to "Maximum frequency" (Hz)

- 4) Press SET key.

To Set the Run Command Source

- 1) Select "AA111" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to select "Run Command Source".

00	[FR]/[RR] terminal
01	3-wire
02	Keypad's RUN-key
03	RS485
04	Option

- 4) Press SET key

To Set the Acceleration and Deceleration Time

- 1) Select "FA-10" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to set acceleration time.

0.00 to 3600.00 [s]

- 4) Press SET key.

- 5) Repeat the above to set following the parameter listed below.

FA-12 Deceleration time setting (monitor)

To Set the Stop Mode

- 1) Select "AA115" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to set stop mode.

00	Deceleration stop
01	Free-run stop

- 4) Press SET key.

To Set the Upper Frequency Limit

- 1) Select "bA101" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to select 07 (Parameter setting).
- 4) Press SET key.
- 5) Select "bA102" with Esc key and Dial.
- 6) Press SET key.
- 7) Turn Dial to set upper frequency limit.

0.00 to "Maximum frequency" (Hz)

- 8) Press SET key.

To Set the Lower Frequency Limit

- 1) Select "bA103" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to lower frequency limit.

0.00 to "Maximum frequency" (Hz)

- 4) Press SET key.

To Set the Electronic Thermal Level

- 1) Select "bC110" with Esc key and Dial.
- 2) Press SET key.
- 3) Turn Dial to set electric thermal level.

(0.00 to 3.00) × Rated current [A]

- 4) Press SET key.

