

Discontinuation Notice of Compact Vector Control Drive V1000 Series.

Product Discontinuation

Compact AC Drive

Model VZA[]



Recommended Replacement

Compact Drive

Model Q2V-[]



[Final order entry date]

The end of February, 2024

[Caution on recommended replacement]

Q2V Series: V1000 functions are fully supported by Q2V series, but mechanical sizes, and additional functionality/parameter may be different.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Q2V-[]	--	*	*	*	**	**	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation Model VZA[]	Recommended replacement Model Q2V-[]
VZAB0P1BAA	Q2V-AB001-BAA / Q2V-AB001-AAA
VZAB0P2BAA	Q2V-AB002-BAA / Q2V-AB002-AAA
VZAB0P4BAA	Q2V-AB004-BAA / Q2V-AB004-AAA
VZAB0P7BAA	Q2V-AB006-BAA / Q2V-AB006-AAA
VZAB1P5BAA	Q2V-AB010-BAA / Q2V-AB010-AAA
VZAB2P2BAA	Q2V-AB012-BAA / Q2V-AB012-AAA
VZAB4P0BAA	Q2V-AB018-BAA
VZA40P2BAA	Q2V-A4001-BAA / Q2V-A4001-AAA
VZA40P4BAA	Q2V-A4002-BAA / Q2V-A4002-AAA
VZA40P7BAA	Q2V-A4004-BAA / Q2V-A4004-AAA
VZA41P5BAA	Q2V-A4005-BAA / Q2V-A4005-AAA
VZA42P2BAA	Q2V-A4007-BAA / Q2V-A4007-AAA
VZA43P0BAA	Q2V-A4009-BAA / Q2V-A4009-AAA
VZA44P0BAA	Q2V-A4012-BAA / Q2V-A4012-AAA
VZA45P5FAA	Q2V-A4018-BAA / Q2V-A4018-AAA
VZA47P5FAA	Q2V-A4023-BAA / Q2V-A4023-AAA
VZA4011FAA	Q2V-A4031-BAA / Q2V-A4031-AAA
VZA4015FAA	Q2V-A4038-BAA / Q2V-A4038-AAA

Product discontinuation Model VZA []	Recommended replacement Model Q2V-[]
VZA20P1BAA	Q2V-A2001-BAA / Q2V-A2001-AAA
VZA20P2BAA	Q2V-A2002-BAA / Q2V-A2002-AAA
VZA20P4BAA	Q2V-A2004-BAA / Q2V-A2004-AAA
VZA20P7BAA	Q2V-A2006-BAA / Q2V-A2006-AAA
VZA21P5BAA	Q2V-A2010-BAA / Q2V-A2010-AAA
VZA22P2BAA	Q2V-A2012-BAA / Q2V-A2012-AAA
VZA24P0BAA	Q2V-A2021-BAA / Q2V-A2021-AAA
VZA25P5FAA	Q2V-A2030-BAA / Q2V-A2030-AAA
VZA27P5FAA	Q2V-A2042-BAA / Q2V-A2042-AAA
VZA2011FAA	Q2V-A2056-BAA / Q2V-A2056-AAA
VZA2015FAA	Q2V-A2070-BAA / Q2V-A2070-AAA

[Body color]

Product discontinuation Model VZA []	Recommendable replacement Model Q2V-[]
Cream.	Blue.

[Dimensions & Mounting dimensions]

* All comparisons are made vs. without built-in filter Model Q2V-[]-B []

All comparisons are made V.S. without built-in filter Model Q2V-[]

Product discontinuation Model VZA[]

B0P1/B0P2/B0P4/B0P7/B01P5/B02P2/B4P0

Figure 1

Figure 2

Drive model VZA□	Figure	Dimensions in mm										Weight kg
B0P1	1	56	118	68	128	76	3	5	65	38.5	5	0.6
B0P2						108						0.7
B0P4						137.5						1.0
B0P7						154						1.7
B1P5	2	96	170	140	180	154		65	65	65	65	1.8
B2P2						163						2.4
B4P0						180						3.0

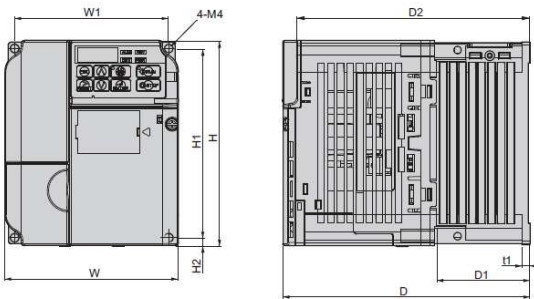
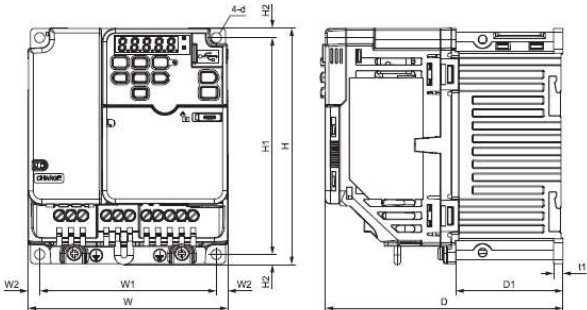
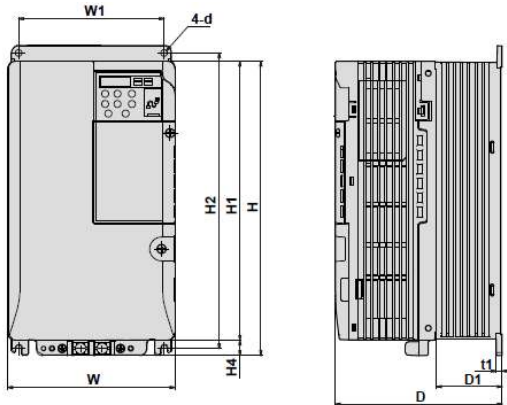
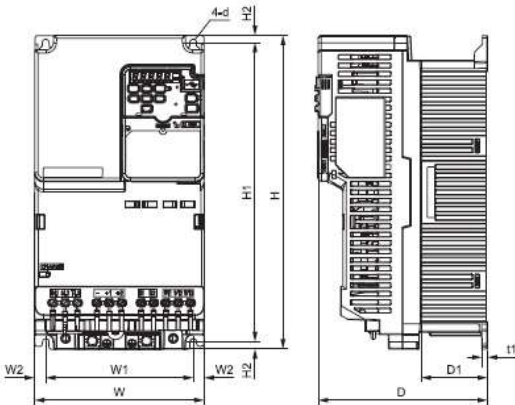
Recommendable replacement Model Q2V-[]

AB001/AB002/ AB004/AB006/AB010/AB012 /AB018

Figure 1

Figure 2

Drive model	Fig.	Dimensions (mm)									
Q2V-A□	1	W	W1	W2	H	H1	H2	D	D1		
B001-B		68	56	6	128	118	5	76	6.5		
B002-B											
B004-B											
B006-B	2	108	96							118	38.5
B010-B										137.5	56.5
B012-B		140	128							154	
B018-B		170	158							163	65

Product discontinuation Model VZA[]	Recommendable replacement Model Q2V-[]																																																																																																																																																									
40P2/40P4/40P7/41P5/42P2/43P0/44P0/45P5/ 47P5/4011/4015	A4001/A4002/A4004/A4005/A4007/A4009/ A4012/A4018/A4023/A4031/ A4038/																																																																																																																																																									
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Figure 3 	 Figure 3																																																																																																																																																									
<table><tr><th rowspan="2">Drive model VZA □</th><th rowspan="2">Figure</th><th colspan="10">Dimensions in mm</th></tr><tr><th>W1</th><th>H1</th><th>W</th><th>H</th><th>D</th><th>t1</th><th>H2</th><th>D1</th><th>H3</th><th>H4</th></tr><tr><td>40P2</td><td rowspan="6">2</td><td rowspan="6">96</td><td rowspan="6">118</td><td rowspan="6">108</td><td rowspan="6">128</td><td>81</td><td rowspan="6">5</td><td rowspan="6">5</td><td>10</td><td rowspan="6">-</td><td rowspan="6">-</td></tr><tr><td>40P4</td><td>99</td><td>28</td></tr><tr><td>40P7</td><td>137.5</td><td></td></tr><tr><td>41P5</td><td>154</td><td>58</td></tr><tr><td>42P2</td><td></td><td></td></tr><tr><td>43P0</td><td>143</td><td>65</td></tr><tr><td>44P0</td><td rowspan="5">3</td><td>128</td><td rowspan="6">248</td><td rowspan="6">140</td><td rowspan="6">254</td><td rowspan="3">140</td><td rowspan="3">-</td><td rowspan="6">6</td><td rowspan="3">55</td><td rowspan="3">13</td><td>6</td></tr><tr><td>45P5</td><td>122</td><td>6.2</td></tr><tr><td>47P5</td><td>160</td><td>6</td></tr><tr><td>4011</td><td></td><td>143</td><td colspan="2" rowspan="2">8</td><td rowspan="2">75</td><td rowspan="2">15</td><td rowspan="2">6</td></tr><tr><td>4015</td><td></td><td>163</td></tr></table>	Drive model VZA □	Figure	Dimensions in mm										W1	H1	W	H	D	t1	H2	D1	H3	H4	40P2	2	96	118	108	128	81	5	5	10	-	-	40P4	99	28	40P7	137.5		41P5	154	58	42P2			43P0	143	65	44P0	3	128	248	140	254	140	-	6	55	13	6	45P5	122	6.2	47P5	160	6	4011		143	8		75	15	6	4015		163	<table><tr><th rowspan="2">Drive model Q2V-A□</th><th rowspan="2">Fig.</th><th colspan="8">Dimensions (mm)</th></tr><tr><th>W</th><th>W1</th><th>W2</th><th>H</th><th>H1</th><th>H2</th><th>D</th><th>D1</th></tr><tr><td>4001-B</td><td rowspan="6">2</td><td rowspan="6">108</td><td rowspan="6">96</td><td rowspan="6">6</td><td rowspan="6">128</td><td rowspan="6">118</td><td rowspan="6">5</td><td>81</td><td>8.5</td></tr><tr><td>4002-B</td><td>99</td><td>26.5</td></tr><tr><td>4004-B</td><td>137.5</td><td>56.5</td></tr><tr><td>4005-B</td><td>154</td><td></td></tr><tr><td>4007-B</td><td></td><td></td></tr><tr><td>4009-B</td><td></td><td></td></tr><tr><td>4012-B</td><td rowspan="6">3</td><td rowspan="2">140</td><td>128</td><td rowspan="6">9</td><td rowspan="6">260</td><td rowspan="6">248</td><td rowspan="6">6</td><td>143</td><td>65</td></tr><tr><td>4018-B</td><td>122</td><td>140</td><td>55</td></tr><tr><td>4023-B</td><td rowspan="4">180</td><td colspan="5" rowspan="4">160</td><td></td><td></td></tr><tr><td>4031-B</td><td></td><td></td></tr><tr><td>4038-B</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Drive model Q2V-A□	Fig.	Dimensions (mm)								W	W1	W2	H	H1	H2	D	D1	4001-B	2	108	96	6	128	118	5	81	8.5	4002-B	99	26.5	4004-B	137.5	56.5	4005-B	154		4007-B			4009-B			4012-B	3	140	128	9	260	248	6	143	65	4018-B	122	140	55	4023-B	180	160							4031-B			4038-B					
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**Product discontinuation
Model VZA []**

20P1/20P2/20P4/20P7/21P5/22P2/
24P0/25P5/27P5/2011/2015

Figure 1

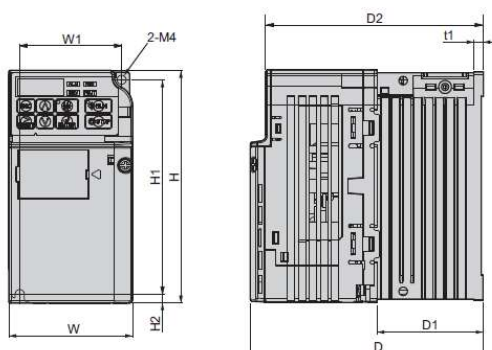


Figure 2

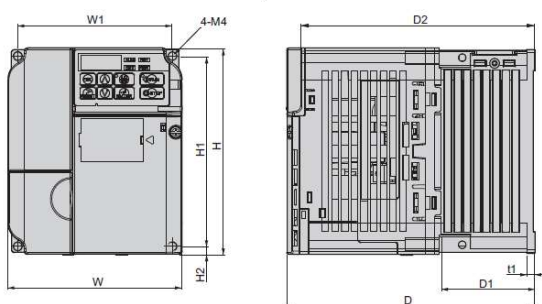
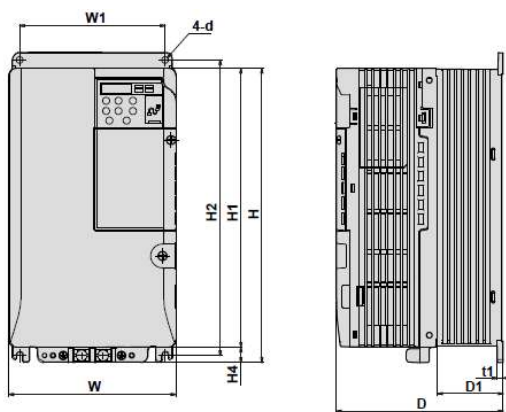


Figure 3



Drive model VZA	Figure	Dimensions in mm									
		W1	H1	W	H	D	t1	H2	D1	H3	H4
20P1	1	56	118	68	128	76	3	5	6.5	-	-
20P2						108	5		38.5		
20P4						128			58		
20P7						129					
21P5	2	96	108	140	140	137.5	5	65	13	6.2	
22P2		128				143		7			75
24P0						143		7			78
25P5	3	122	248	140	254	140	-	6	55	15	7.2
27P5		160	284	180	290	8		75			
2011						7		78			
2015						7		78			

**Recommendable replacement
Model Q2V-[]**

A2001/A2002/A2004/A2006/A2010/A1012/
A2021/A2030/A2042/A2056/A2070

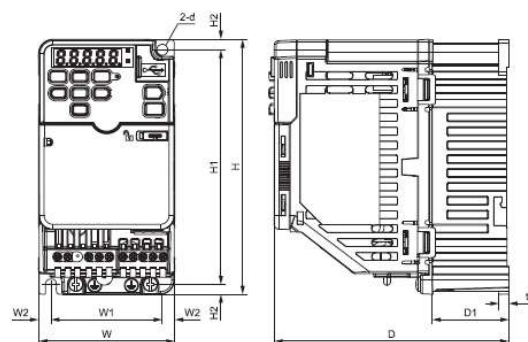


Figure 1

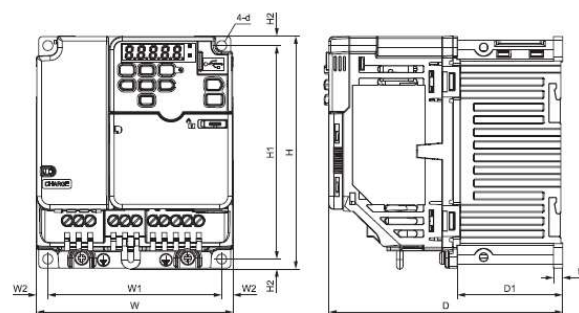


Figure 2

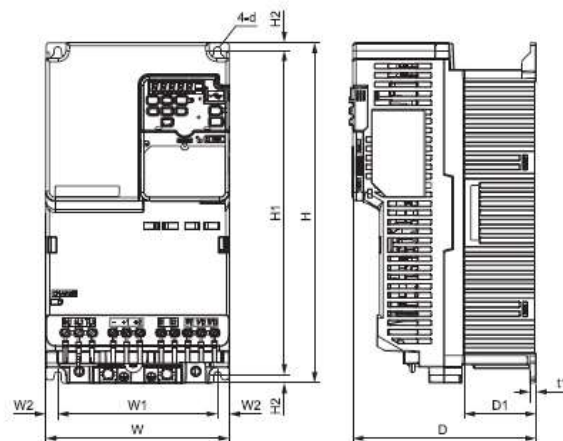


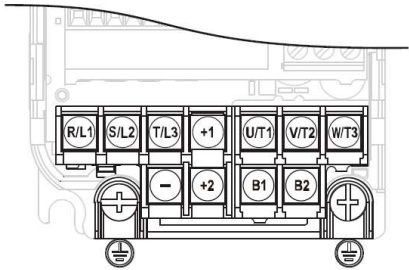
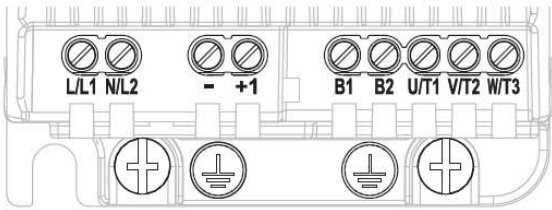
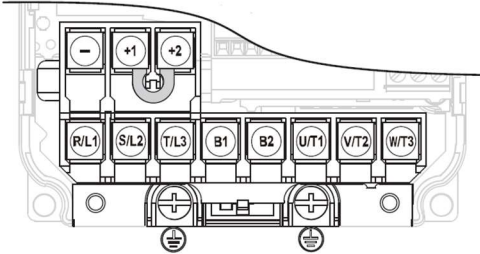
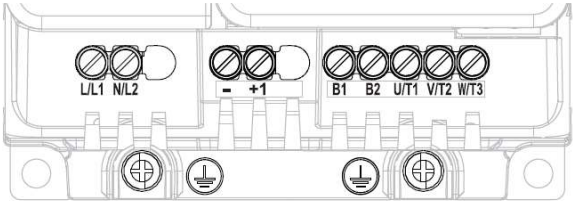
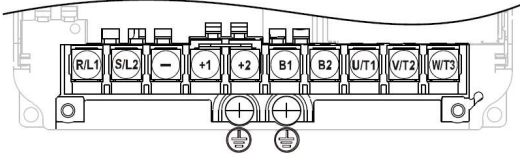
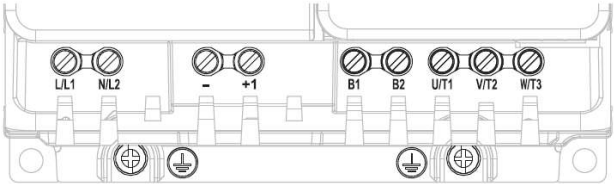
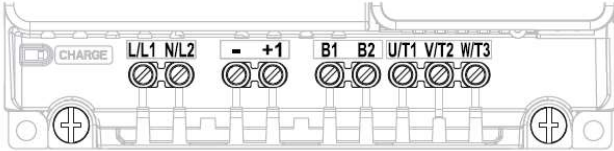
Figure 3

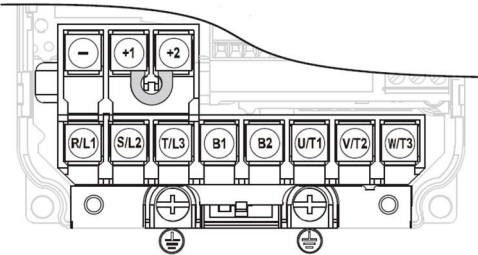
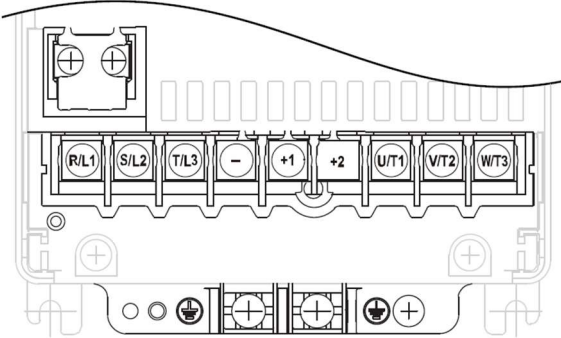
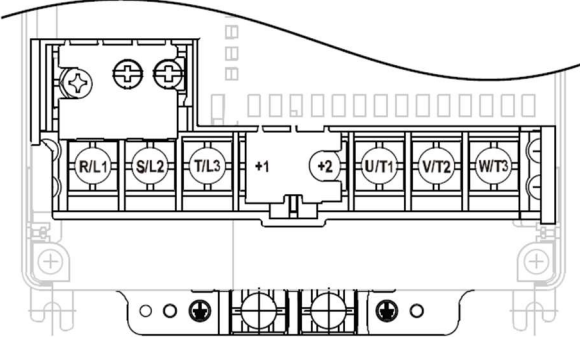
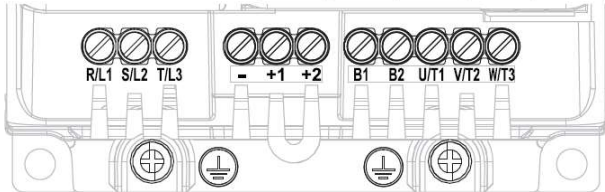
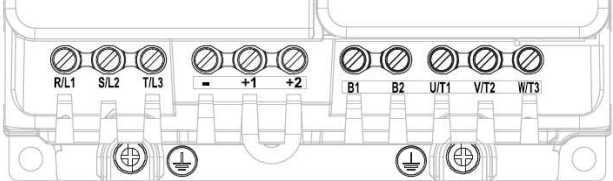
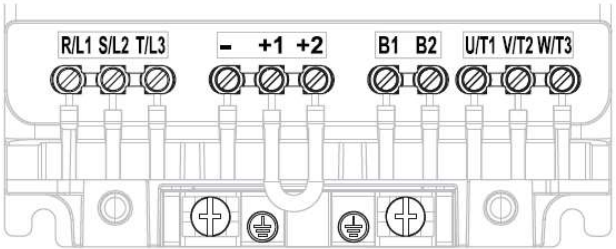
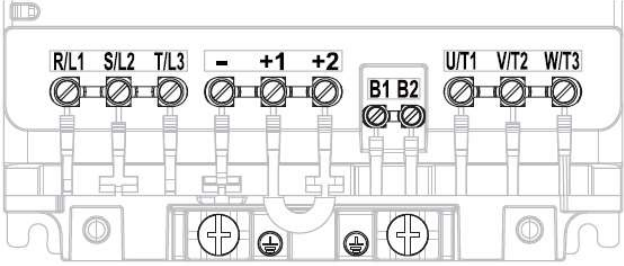
Drive model Q2V-A□	Fig.	Dimensions (mm)									
		W	W1	W2	H	H1	H2	D	D1		
2001-B	1	68	56					76	6.5		
2002-B								108	38.5		
2004-B								128	58.5		
2006-B								129	56.5		
2010-B	2	108	96					137.5			
2012-B								143	65		
2021-B								140	55		
2030-B	3	140	128	9	260	248	6	140			
2042-B								143			
2056-B								180			
2070-B								220			

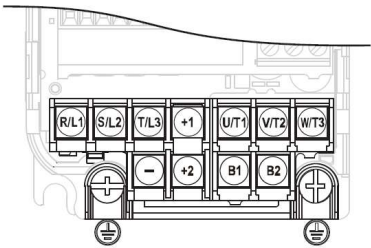
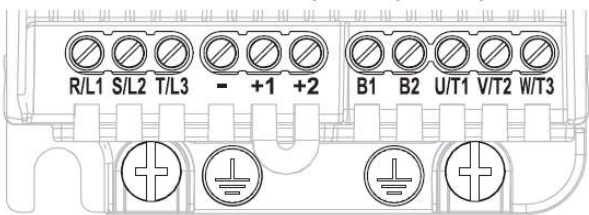
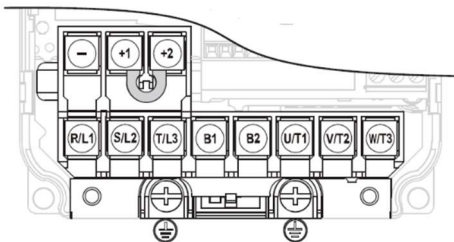
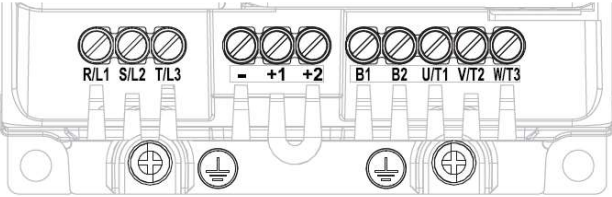
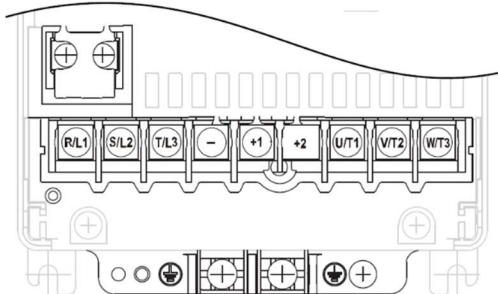
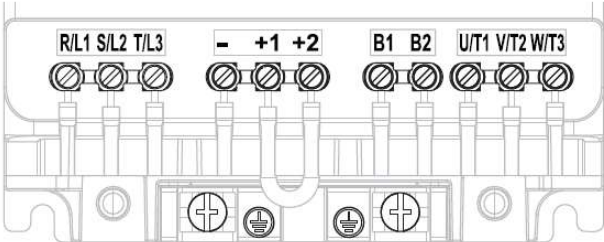
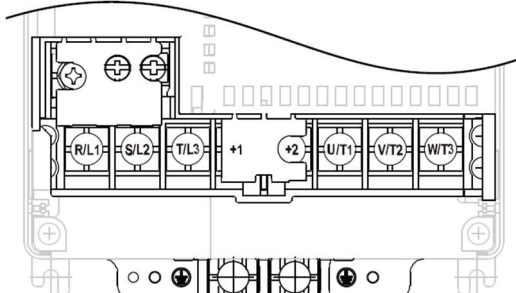
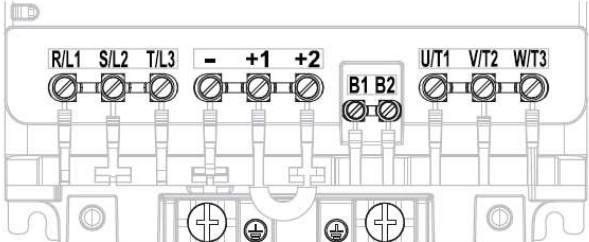
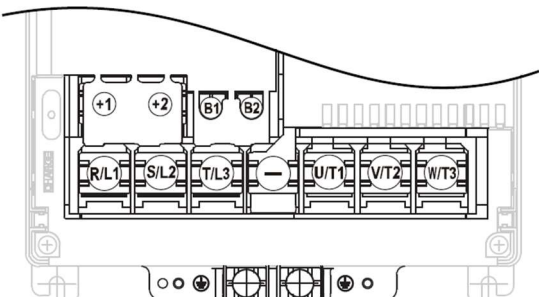
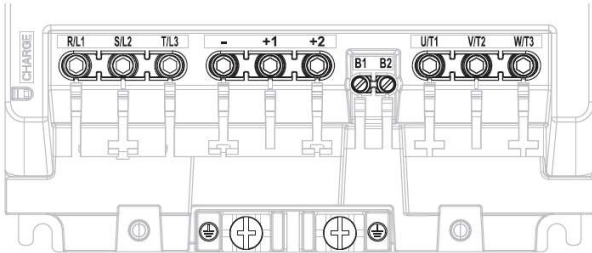
[Wire connection]

Product discontinuation Model VZA []	Recommendable replacement Model Q2V-[]-B []
Standard connections	Standard connections
For 1-phase power supply use R/L1 and S/L2 Power Supply L1 L2 L3 Main Switch DC reactor (option) Thermal relay Braking resistor (opt) V1000 Forward/Stop S1 Reverse/Stop S2 External Fault S3 Fault Reset S4 Multi-speed 1 S5 Multi-speed 2 S6 Multi-function digital inputs (default setting) Multi-function pulse / analog inputs (default: frequency reference) Safe Disable inputs H1 H2 H3 Multi-function relay output 250 Vdc / 30 VDC (10 mA to 1A) (default setting) Multi-function photo-coupler output 48 VDC, max. 50 mA (default setting) Frequency agree PC Pulse train output (max. 32 kHz) (Output frequency) MP Monitor outputs (default setting) AM Memobus comm. RS-485 max. 115 kbps 24 V 8 mA DC 24 V Power supply Input 24 V max. 100 mA Terminal resistor (120 W, 1/2 W) Symbols: ⊕ Use twisted pair cables ⊗ Use shielded twisted pair cables ● Indicates a main circuit terminal ○ Indicates a control circuit terminal	R S T Main Circuit Q2V DC reactor Thermal relay Braking resistor (opt) Forward RUN/Stop D1 Reverse RUN/Stop D2 External Fault D3 Fault Reset D4 Multi-Step Speed D5 Multi-Step Speed Reference 2 D6 Log Reference selection D7 Multi-function Digital Input (Default Setting) D8 DC 24 V Power supply Input 24 V max. 100 mA Pulse train input 0-10 V 4-20 mA Frequency Bias 2 kΩ DC 24 V Control Power Input 24 V 700 mA MEMOCBUS RS-485 Max. 115.2 kbps Safety switch S1 Safe Disable input H1 Safe Disable input H2 Safety feedback input H3 Safety Electronic Device Monitor output H4 Multi-function photo-coupler output 48 VDC, max. 50 mA (default setting) Multi-function relay output 250 Vdc / 30 VDC (10 mA to 1A) (default setting) Multi-function pulse / analog inputs (default: frequency reference) Multi-function digital outputs D9 D10 D11 D12 Multi-function photo-coupler Output 1: DC 250 V, max. 1 A (Default setting: During run) Multi-function photo-coupler Output 2: DC 48 V, max. 50 mA (Default setting: Frequency Speed Agree T) Multi-function pulse train output: 0-10 V (20 kΩ) (Default setting: Output frequency) Multi-function Analog Monitor Output: 0-10 V (20 kΩ) (Default setting: Output frequency) ⊕ indicates shielded cable ⊗ indicates shielded twisted pair cable ● indicates main circuit terminal ○ indicates control circuit terminal

Difference of Terminal Block
Main Circuit Terminal Block
All comparisons are made vs. without built-in filter Model Q2V-[]-B[]

Product discontinuation Model VZA[]	Recommendable replacement Model Q2V-[]-B[]
B0P1/B0P2/B0P4  Diagram of the B0P1/B0P2/B0P4 terminal block. It features a top row of terminals labeled R/L1, S/L2, T/L3, +1, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+2); the second row contains terminals B1, B2, and two ground symbols.	AB001/AB002/AB004  Diagram of the AB001/AB002/AB004 terminal block. It features a top row of terminals labeled L/L1, N/L2, a minus sign (-), +1, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.
B0P7/B01P5/B2P2  Diagram of the B0P7/B01P5/B2P2 terminal block. It features a top row of terminals labeled - , +1, +2, R/L1, S/L2, T/L3, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.	AB006/AB010  Diagram of the AB006/AB010 terminal block. It features a top row of terminals labeled L/L1, N/L2, a minus sign (-), +1, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.
B4P0  Diagram of the B4P0 terminal block. It features a top row of terminals labeled R/L1, S/L2, a minus sign (-), +1, +2, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.	AB018  Diagram of the AB018 terminal block. It features a top row of terminals labeled L/L1, N/L2, a minus sign (-), +1, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.
	AB012  Diagram of the AB012 terminal block. It features a top row of terminals labeled CHARGE, L/L1, N/L2, a minus sign (-), +1, B1, B2, U/T1, V/T2, and W/T3. Below these are two rows of terminals: the first row contains a ground symbol, a minus sign (-), and a plus sign (+); the second row contains terminals B1, B2, and two ground symbols.

Product discontinuation Model VZA[]	Recommendable replacement Model Q2V-[]-B[]
A40P2/A40P4/A40P7/A41P5/A42P2/A43P0/ A44P0  45P5/47P5  4011/4015 	A4001/A4002/A4004/A4005/A4007/A4009/  A4012  A4018/ A4023  A4031/ A4038 

Product discontinuation Model VZA[]	Recommendable replacement Model Q2V-[]-B[]
A20P1/A20P2/A20P4/A20P7 	A2001/A2002/A2004/A2006 
A21P5/A22P2/A24P0 	A2010/A1012/A2021 
A25P5/A27P5 	A2030/A2042 
A2011 	A2056 
A2015 	A2070 

Control Circuit Terminal Block

Product discontinuation Model VZA[]			Recommendable replacement Model Q2V-[]		
Type	No.	Signal name	Type	No.	Signal name
Digital input signals	S1	Multi-function input selection 1	Digital input signals	DI1	Multi-Function Digital Input 1 (ON: Forward run, OFF: Stop)
	S2	Multi-function input selection 2		DI2	Multi-Function Digital Input 2 (ON: Reverse run, OFF: Stop)
	S3	Multi-function input selection 3		DI3	Multi-Function Digital Input 3 (External fault (N.O.))
	S4	Multi-function input selection 4		DI4	Multi-Function Digital Input 4 (Fault reset)
	S5	Multi-function input selection 5		DI5	Multi-Function Digital Input 5 (Multi-step speed reference 1)
	S6	Multi-function input selection 6		DI6	Multi-Function Digital Input 6 (Multi-step speed reference 2)
	SC	Multi-function input selection Common		DI7	Multi-Function Digital Input 7 (Jog reference selection)
	---			D0V*1	MFDI power supply 0 V
	---			DIC	MFDI common
	---			D24V	MFDI power supply +24 VDC
Fast Stop Cmd	H1	Safe Disable input 1	Safe Disable input	H1	Safe Disable input 1
	H2	Safe Disable input 2		H2	Safe Disable input 2
	HC	Safe Disable function common		HC*2	Safe Disable function common
Analog input signal	RP	Main Speed Cmd Pulse Train Input	Master frequency reference	PI	Master speed reference pulse train
	FS	Power Supply for Frequency Setting		+10V	Frequency setting power supply
	FR1	Multi-function analog input 1		AI1	Multi-Function Analog Input 1 (Frequency reference)
	FR2	Multi-function analog input 2		AI2	Multi-Function Analog Input 2 (Frequency reference bias)
	FC	Frequency reference common		A0V	Frequency reference common
	---			GND	Connecting shielded cable
Digital output signals	MA	NO contact output	Fault relay output	NO	Multi-Function Digital Output, N.O. output
	MB	NC Output		NC	Multi-Function Digital Output, N.C. output
	MC	Relay Output common		CM	MFDO common
Multi-function photocoupler output	P1	Photocoupler output 1	Multi-function photocoupler output	DO1	Multi-Function Photocoupler Output 1. (During Run)
	P2	Photocoupler output 2		O1C	
	PC	Photocoupler output common		DO2	Multi-Function Photocoupler Output 2. (Speed agree 1) *3
	---			O2C	
Analog output signals	PM	Pulse train Output	Monitor output	PO	Pulse train output (Output frequency) *3
	AM	Analog monitor output		AO	Analog monitor output (Output frequency)
	AC	Analog monitor common		A0V	Monitor common
---	---		External power supply input	E24V	External 24 V power supply input
	---			A0V	External 24 V power supply ground

Product discontinuation Model VZA[]			Recommendable replacement Model Q2V-[]		
Type	No.	Signal name	Type	No.	Signal name
RS-485/422	R+	Communication input (+)	MEMOBUS/ Modbus*4	RS485 +	Communication input/output (+)
	R-	Communication input (-)		RS485 -	Communication output (-)
	S+	Communication output (+)		A0V	Shield ground
	S-	Communication output (-)		---	

- *1. Do not close the circuit between D24V and D0V terminals. Failure to obey will cause damage to the drive.
*2. Do not close the circuit between HC and D0V terminals. Failure to obey will cause damage to the drive.
*3. Connect a flywheel diode as shown in when you drive a reactive load such as a relay coil. Make sure that the diode rating is larger than the circuit voltage.
*4. Select DIP switch S2 to ON to enable the termination resistor in the last drive in a MEMOBUS/Modbus network.

[Characteristics]

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		B0P1	B0P2	B0P4	B0P7		B001	B002	B004	B006
		20P1	20P2	20P4	20P7		2001	2002	2004	2006
Applicable motor (4-pole) capacity [kW]	HD	0.12	0.25	0.4	1.1	HD	0.1	0.25	0.55	0.75
	ND	0.18	0.37	0.55	1.1	ND	0.18	0.37	0.75	1.1
Rated input voltage	Single-phase 200..240 V 50/60 Hz 3-phase 200..240 V 50/60 Hz					3-phase AC power supply 200-240 V at 50/60 Hz DC power supply 270-340 VDC				
Rated output voltage	Proportional to input voltage: 0..240 V					Proportional to input voltage: 200-240 V				
Rated output current [A]	HD	0.8	1.6	3.0	5.0	HD	0.8	1.6	3.0	5.0
	ND	1.2	1.9	3.5	6.0	ND	1.2	1.9	3.5	6.0

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		B1P5	B2P2	B4P0	-		B010	B012	B018	-
		21P5	22P2	24P0	-		2010	2012	2021	-
Applicable motor (4-pole) capacity [kW]	HD	1.5	2.2	4.0	-	HD	1.5	2.2	4.0	-
	ND	2.2	3.0	5.5	-	ND	2.2	3.0	5.5	-
Rated input voltage	Single-phase 200..240 V 50/60 Hz 3-phase 200..240 V 50/60 Hz					3-phase AC power supply 200-240 V at 50/60 Hz DC power supply 270-340 VDC				
Rated output voltage	Proportional to input voltage: 0..240 V					Proportional to input voltage: 200-240 V				
Rated output current [A]	HD	8.0	11.0	17.5	-	HD	8.0	11	17.6	-
	ND	9.6	12.0	19.6	-	ND	9.6	12.2	21	-

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		25P5	27P5	2011	2015		2030	2042	2056	2070
Applicable motor (4-pole) capacity [kW]	HD	5.5	7.5	11	15	HD	5.5	7.5	11	15
	ND	7.5	11	15	18.5	ND	7.5	11	15	18.5
Rated input voltage	Single-phase 200..240 V 50/60 Hz 3-phase 200..240 V 50/60 Hz					3-phase AC power supply 200-240 V at 50/60 Hz DC power supply 270-340 VDC				
Rated output voltage	Proportional to input voltage: 0..240 V					Proportional to input voltage: 200-240 V				
Rated output current [A]	HD	25.0	33.0	47.0	60.0	HD	25.0	33.0	47.0	60.0
	ND	30.0	40.0	56.0	69.0	ND	30.0	42.0	56.0	70.0

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		40P2	40P4	40P7	41P5		4001	4002	4004	4005
Applicable motor (4-pole) capacity [kW]	HD	0.37	0.55	1.10	1.5	HD	0.37	0.55	1.1	1.5
	ND	0.37	0.75	1.5	2.2	ND	0.37	0.75	1.5	2.2
Rated input voltage	3-phase 380..480 VAC, 50/60 Hz					3-phase AC power supply 380-480 V at 50/60 Hz				
Rated output voltage	0..480V (proportional to input voltage)					Proportional to input voltage: 380-480 V				
Rated output current [A]	HD	1.2	1.8	3.4	4.8	HD	1.2	1.8	3.4	4.8
	ND	1.2	2.1	4.1	5.4	ND	1.2	2.1	4.1	5.4

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		42P2	43P0	44P0	45P5		4007	4009	4012	4018
Applicable motor (4-pole) capacity [kW]	HD	2.2	3.0	4.0	5.5	HD	2.2	3.0	4.0	5.5
	ND	3.0	4.0	5.5	7.5	ND	3.0	4.0	5.5	7.5
Rated input voltage	3-phase 380..480 VAC, 50/60 Hz					3-phase AC power supply 380-480 V at 50/60 Hz				
Rated output voltage	0..480V (proportional to input voltage)					Proportional to input voltage: 380-480 V				
Rated output current [A]	HD	5.5	7.2	9.2	14.8	HD	5.6	7.3	9.2	14.8
	ND	6.9	8.8	11.1	17.5	ND	7.1	8.9	11.9	17.5

Item	Product discontinuation Model VZA[]					Recommendable replacement Model Q2V-[]				
		47P5	4011	4015	-		4023	4031	4038	-
Applicable motor (4-pole) capacity [kW]	HD	7.5	11	15	-	HD	7.5	11	15	-
	ND	11	15	18.5	-	ND	11	15	18.5	-
Rated input voltage	3-phase 380..480 VAC, 50/60 Hz					3-phase AC power supply 380-480 V at 50/60 Hz				
Rated output voltage	0..480V (proportional to input voltage)					Proportional to input voltage: 380-480 V				
Rated output current [A]	HD	18.0	24	31	-	HD	18.0	24	31	-
	ND	23	31	38	-	ND	23.4	31	38	-

[Operation ratings]

Item	Product discontinuation Model VZA[]		Recommendable replacement Model Q2V-[]		
		B0P1 to B4P0 40P2 to 44P0 20P1 to 24P0		AB001 to AB006 A2001 to A2006	AB010 to AB012 A2010 to A2012 A4001 to A4012
Carrier frequency change range	HD	8/10 kHz	HD	10 kHz	8 kHz
	ND	2 kHz Swing PWM	ND	2 kHz	2 kHz
Output frequency range	0.1..400 Hz		V/f, OLV and OLV/PM: 0.01 Hz to 590 Hz AOLV/PM: 0.01 Hz to 270 Hz EZOLV: 0.01 Hz to 120 Hz		
Frequency setting resolution	Digital set value: 0.01 Hz (<100 Hz), 0.1 Hz (>100 Hz) Analogue set value: 1/1000 of maximum frequency		Digital inputs: 0.01 Hz Analog inputs: 1/2048 of the max. output frequency (11-bit signed)		
Output frequency resolution	0.01 Hz		0.001 Hz		
Acceleration/ Deceleration time	0.01 to 6000 s		0.0 to 6000.0 s		
Ambient temperature	-10°C to +50°C		-10°C to +50°C		
Ambient humidity	95% RH or less (without cond.)		95% RH or less (without condensation)		

[Operation methods]

There are some differences of operator, parameters and options between VZA[] and Q2V-[].
Please refer to "V1000 User's Manual " (SIEP C710606 19B) and "Q2V Technical Manual"
(SIEPCYEUEQ2V01C)

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.