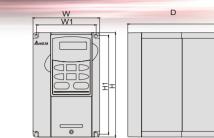
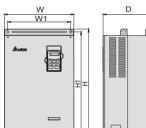


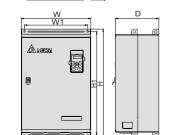
Α

В



unit:mm







Model	w	W1	н	H1	D	Fan cooled	Fie
VFD007B21A VFD007B23A VFD007B43A	118(4.65) 118(4.65) 118(4.65)	108(4.25)	185(7.28)	173(6.81)	160(6.30) 145(5.71) 145(5.71)	NO NO NO NO	Fig
VFD007853A VFD015821A VFD015821B VFD015823A VFD015823B VFD015843A VFD015853A	118(4.65) 118(4.65) 118(4.65) 118(4.65) 118(4.65) 118(4.65) 118(4.65) 118(4.65)	108(4.25)	185(7.28)	173(6.81)	145(5.71) 160(6.30) 145(5.71) 160(6.30) 145(5.71) 160(6.30) 160(6.30)	NO Yes NO Yes NO NO	A
VFD022B21A VFD022B23B VFD022B43A VFD022B43B	150(5.91) 118(4.65) 118(4.65) 118(4.65)	135(5.32) 108(4.25) 108(4.25) 108(4.25)	260(10.24) 185(7.28) 185(7.28) 185(7.28)	244.3(9.68) 173(6.81) 173(6.81) 173(6.81)	160.2(6.31) 145(5.71) 145(5.71) 145(5.71)	Yes Yes Yes Yes	A
VFD037B23A VFD037B43A VFD037B53A	150(5.91)	135(5.32)	260(10.24)	244.3(9.68)	160.2(6.31)	Yes Yes Yes	A
VFD055B23A VFD055B43A VFD055B533	200(7.88)	185.6(7.31)	323(12.72)	303(11.93)	183.2(7.22)	Yes Yes Yes	A
VFD075B23A VFD075B43A VFD075B53A	200(7.88)	185.6(7.31)	323(12.72)	303(11.93)	183.2(7.22)	Yes Yes	A
VFD110B23A VFD110B43A VFD110B53A	200(7.88)	185.6(7.31)	323(12.72)	303(11.93)	183.2(7.22)	Yes Yes	A
VFD150B23A VFD150B43A VFD150B53A	250(9.84)	226(8.90)	430.8(15.90)	384(15.12)	205.4(8.08)	Yes Yes Yes	A
VFD185B23A VFD185B43A VFD185B53A	250(9.84)	226(8.90)	430.8(15.90)	384(15.12)	205.4(8.08)	Yes Yes Yes	А
VFD220B23A VFD220B43A VFD220B53A	250(9.84)	226(8.90)	430.8(15.90)	384(15.12)	205.4(8.08)	Yes Yes Yes	A
VFD300B23A VFD300B43A VFD300B53A	370(14.57) 370(14.57) 370(14.57)	335(13.19) 335(13.19) 335(13.19)	595(23.43) 589(23.19) 589(23.19)	560(22.55) 560(22.55) 560(22.55)	260(10.24) 260(10.24) 260(10.24)	Yes Yes Yes	в
VFD370B23A VFD370B43A VFD370B53A	370(14.57) 370(14.57) 370(14.57)	335(13.19) 335(13.19) 335(13.19)	595(23.43) 589(23.19) 589(23.19)	560(22.55) 560(22.55) 560(22.55)	260(10.24) 260(10.24) 260(10.24)	Yes Yes Yes	В
VFD450B43A VFD450B53A	370(14.57)	335(13.19)	589(23.19)	560(22.55)	260(10.24)	Yes Yes	В
VFD550B43A VFD550B53A	425(16.73) 370(14.57)	385(15.16) 335(13.19)	660(25.98) 595(23.43)	631(24.84) 560(22.55)	280(11.02) 260(10.24)	Yes Yes	с
VFD750B43A VFD750B53A	425(16.73) 370(14.57)	385(15.16) 335(13.19)	660(25.98) 595(23.43)	631(24.84) 560(22.55)	280(11.02) 260(10.24)	Yes Yes	с

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EUROPE DELTRONICS (NETHERLANDS) B.V. DELTA ELECTRONICS (JAPAN) INC. DELTA SHIBADAIMON BLDG. 2-1-14 SHIBADAIMON, MINATO-KU. DE WITBOGT 15 NI -5652 AG EINDHOVEN TOKYO 105-0012 JAPAN THE NETHERLANDS TEL: 81-3-5733-1111 TEL: 31-40 259-2850 FAX: 81-3-5733-1211 FAX: 31-40 259-2851

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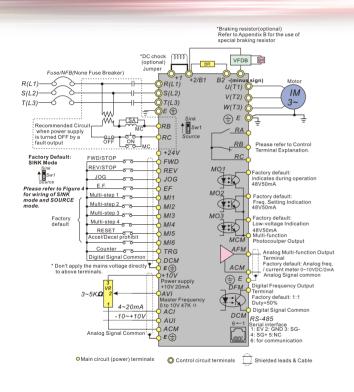


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С



* Three phase input power may apply to single phase drives

* For the single phase application, the AC input line can be connected to any two of the three input terminals R,S,T.

Standard specifications 230V Series 1-Phase/3-Phase

 D

Model Number VFD - 🗌 🔲 🖪	007	015	022	037	055	075	110	150	185	220	300	370			
Max. Applicable Motor Output (kW)	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22 30 37					
Max. Applicable Motor Output (HP)	1.0	2.0	3.0	5.0	7.5	10	15	20	25	30 40 50					
Rated Output Capacity (kVA)	1.9	2.5	4.2	6.5	9.5	12.5	18.3	24.7	28.6	34.3	45.7	55			
Rated Output Current (A)	5.0	7.0	11	17	25	33	49	65	75	90	120	145			
Maximum Output Voltage (V)	3-Phase Proportional to input voltage														
Output Frequency (Hz)	0.1~400Hz														
Carrier frequency (kHz)	1-15 1-9														
	Sing	le/3-Pl	nase	3-Phase											
Rated Input Current (A)	11.9/ 5.7	15.3/ 7.6	22/ 15.5	20.6	26	34	50	60	75	90	110	142			
Single (3-phase Input Current)	7.0	9.4	14.0												
Single (3-phase Input Current) Rated Voltage , Frequency			Single/3-phase 3-phase 200-240V , 50/60Hz												
Voltage Tolerance	±10%(180~264V)														
Frequency Tolerance	±5%(47~63Hz)														
Cooling Method	Natural	Natural Fan Cooled													
Weight (Kg)	2.7	3.2	4.5	6.8	8	10	13	13	13	13	36	36			
	Max Applicable Micro Cutput (KW) Max Applicable Micro Cutput (HP) Rated Output Capacity (KVA) Rated Output Capacity (KVA) Output Frequency (Hz) Carrier frequency (Hz) Rated Input Current (A) Single (3-phase Input Current) Rated Voltage , Frequency Voltage Tolerance Frequency Iolerance Cooling Method	Max. Applicable Motor Cutput (HW) 0.75 Max. Applicable Motor Output (HP) 10 Rated Output Carant (A) 19 Rated Dutput Carant (A) 50 Maximum Output Voltage (V) 0.01 Output Frequency (Hz) 0.01 Carrier frequency (Hz) 51 Single (A-phase Input Current (A) 51 Single (3-phase Input Current) 7.0 Rated Voltage Frequency 50 Voltage Tolerance 50 Frequency Conditioned Notage Tolerance 100 Cooling Method Natural	Max. Applicable Motor Output (WP) 0.75 1.5 Max. Applicable Motor Output (HP) 1.0 2.0 Rated Output Capacity (KA) 1.9 2.5 Rated Output Capacity (KA) 5.0 7.0 Maximum Output Voltage (V) 0 7.0 Output Frequency (Hz) 5.0 7.0 Carrier frequency (Hz) 5.11.9/ 15.3/ Single/3-PP Rated loput Current (A) 5.7 7.0 Single (3-phase Input Current) 7.0 9.4 8.00/24.0/04.1 Voltage Tolerance Frequency Tolerance 5.00/24.0/04.1 200-240/45.1 Cooling Method Nature Voltage Tolerance 5.00/24.0/04.1	Max. Applicable Motor Output (3W) 0.75 1.5 2.2 Max. Applicable Motor Output (IAP) 1.0 2.5 3.0 Rated Output Capacity (IVA) 1.0 2.5 4.2 Rated Output Capacity (IVA) 1.0 2.5 4.2 Output Frequency (Hz) 5.0 7.0 11 Output Frequency (Hz) Single/3-Phase 1.9 15.3/ Rated Input Current (A) 1.9 1.5.3/ 7.6 1.5 Single (3-phase input Current) 7.0 4.1 1.0 1.0 4.1 Rated Voltage. Frequency 50.0 7.0 4.1 1.0 1.0 1.5 1.0	Max. Applicable Motor Output (W) 0.75 1.5 2.2 3.7 Max. Applicable Motor Output (HP) 1.0 2.0 3.0 5.0 Rated Output Capacity (N/A) 1.9 2.5 4.2 6.5 Rated Output Capacity (N/A) 1.9 2.5 4.2 6.5 Output Capacity (N/A) 1.9 2.5 4.2 6.5 Output Frequency (Hz) 5.0 7.0 1.1 17 Carrier frequency (Hz) 5.0 7.0 1.5 1.5 Carrier frequency (Hz) 5.7 7.6 1.5 1.5 2.0 2.0 2.0 3.0 1.0 1.1 1.7 Rated Input Current (A) 5.07 7.6 1.5 1.5 2.0	Max. Applicable: Motor Output (W) 0,75 1.5 2.2 3.7 5.5 Max. Applicable: Motor Output (W) 1.0 2.0 3.0 5.0 7.5 Rated Output Capacity (KVA) 1.0 2.5 4.2 5.8 9.5 Rated Output Capacity (KVA) 1.0 2.5 4.2 5.8 9.5 Maximum Output Voltage (V) 5.0 7.0 1.1 1.7 2.5 Output Frequency (KR) 5.0 7.0 1.1 1.7 2.5 Camer frequency (KR) 5.0 7.0 1.5 5.1 1.5 5.7 7.6 15.5 2.0 <	Max. Applicable Motor Output (W) 0.75 1.5 2.2 3.7 5.5 7.5 Max. Applicable Motor Output (HP) 1.0 2.0 3.0 5.0 7.5 1.5 7.5 Rated Output Capacity (kVA) 1.0 2.5 4.2 5.0 7.5 1.5 7.5 Rated Output Capacity (kVA) 1.0 2.5 4.2 5.8 7.5 1.0 Output Capacity (kVA) 1.0 2.5 4.2 5.8 7.5 1.6 Output Frequency (H2)	Max. Applicable Motr Output (RW) 0.75 1.5 2.2 3.7 5.5 7.5 1.6 Max. Applicable Motr Output (RP) 1.0 2.0 3.0 5.0 7.5 1.5 1.0 1.5 Rated Output Capacity (RVA) 1.9 2.5 4.2 6.5 9.5 1.5 1.6 1.5 Rated Output Capacity (RVA) 1.9 2.5 7.1 1.7 2.6 3.8 49 Maxmum Output Viseque (V) 5.0 7.0 1.1 1.7 2.6 3.6 3.6 1.5 5.0 1.5 5.0 1.4 5.0 5.0 1.5 5.0 1.4 5.0 5.0 1.5 5.0 1.5 5.0 5.0 1.5 5.0 1.5 5.0 1.5 5.7 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.5 7.6 1.6	Max. Applicable Motor Output (RW) 0.75 1.6 2.2 3.7 5.6 7.5 1.1 1.5 Max. Applicable Motor Output (RW) 1.0 2.0 3.0 5.0 7.5 1.5 2.0 Rated Output Carpacity (RW) 1.9 2.5 4.2 6.5 9.5 1.25 8.3 24.7 Rated Output Carpacity (RW) 1.9 2.5 7.5 1.1 1.7 25 3.3 4.8 6.5 Maximum Output Votage (V) 5.0 7.0 1.1 1.7 2.5 3.4 4.8 Output Frequency (Hz) 5.7 7.6 1.5 2.0 8 1.5 0.1 5.7 7.6 1.5 2.0 8 5 60 6.5 9.6 6.5 9.6 6.5 7.5 7.6 1.5 2.0 8 8.0 6.0 6.5 7.6 6.0 7.5 7.6 1.5 2.0 8 8.0 6.0 8.0 6.0 8.0 8.0 9.0	Max. Applicable Motor Output (WP) 0.75 1.6 2.2 3.7 5.5 7.5 1.1 1.5 1.8 1.8 Max. Applicable Motor Output (WP) 1.0 2.0 3.0 5.0 7.5 1.5 1.5 2.0 2.6 5.0 7.5 1.5 1.5 2.0 2.6 5.0 5.0 1.5 1.5 2.0 2.6 5.0 5.0 1.5 2.0 3.0 6.0 7.5 1.0 2.0 3.0 6.0 7.5 1.0 1.5 2.0 2.6 5.0 5.0 1.0 1.7 2.5 3.2 6.5 9.5 1.2.5 1.8.3 6.0 7.5 1.0 1.7 2.5 3.3 4.9 6.5 7.5 1.0 1.7 2.5 3.3 4.9 6.5 7.5 1.0 1.5 1.5 0.1 1.5 1.5 0.1 1.5 1.5 1.5 0.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 <td>Max. Applicable Motor Output (HVP) 0.76 1.6 2.2 3.7 6.5 7.5 1.0 1.6 1.6. 2.2 3.7 6.5 7.5 1.0 1.6 1.6. 2.2 3.7 6.5 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.7 2.5 3.3 4.0 6.0 7.5 9.0 Maximum Output Voltage (v) Simple/3-Phase Simple/3-Phase<!--</td--><td>Max. Applicable Motor Output (MY) 0.75 1.8 2.2 3.7 5.5 7.5 1.1 1.5 1.8.5 2.2 3.7 5.5 7.5 1.1 1.5 1.2 2.2 3.7 5.5 7.5 1.1 1.5 2.2 3.0 4.0 5.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.5 2.0 3.0 4.0 Rated Output Current (A) 6.0 7.0 1.0 2.5 4.2 6.5 9.5 12.5 1.8.3 2.4.7 2.8.6 3.4.3 4.5.7 Maximum Output Voltage (V) 0.5 7.0 1.0 7.5 1.0 1.0 7.5 1.0 1.2.7 2.8.6 3.4.3 4.5.7 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 2.6 8.0 1.15 2.5 1.5 2.5 1.5 2.5 3.6 0.5 1.15</td></td>	Max. Applicable Motor Output (HVP) 0.76 1.6 2.2 3.7 6.5 7.5 1.0 1.6 1.6. 2.2 3.7 6.5 7.5 1.0 1.6 1.6. 2.2 3.7 6.5 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 5.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.7 2.5 3.3 4.0 6.0 7.5 9.0 Maximum Output Voltage (v) Simple/3-Phase Simple/3-Phase </td <td>Max. Applicable Motor Output (MY) 0.75 1.8 2.2 3.7 5.5 7.5 1.1 1.5 1.8.5 2.2 3.7 5.5 7.5 1.1 1.5 1.2 2.2 3.7 5.5 7.5 1.1 1.5 2.2 3.0 4.0 5.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.5 2.0 3.0 4.0 Rated Output Current (A) 6.0 7.0 1.0 2.5 4.2 6.5 9.5 12.5 1.8.3 2.4.7 2.8.6 3.4.3 4.5.7 Maximum Output Voltage (V) 0.5 7.0 1.0 7.5 1.0 1.0 7.5 1.0 1.2.7 2.8.6 3.4.3 4.5.7 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 2.6 8.0 1.15 2.5 1.5 2.5 1.5 2.5 3.6 0.5 1.15</td>	Max. Applicable Motor Output (MY) 0.75 1.8 2.2 3.7 5.5 7.5 1.1 1.5 1.8.5 2.2 3.7 5.5 7.5 1.1 1.5 1.2 2.2 3.7 5.5 7.5 1.1 1.5 2.2 3.0 4.0 5.0 7.5 1.0 1.5 2.0 3.0 6.0 7.5 1.0 1.5 2.0 3.0 4.0 Rated Output Current (A) 6.0 7.0 1.0 2.5 4.2 6.5 9.5 12.5 1.8.3 2.4.7 2.8.6 3.4.3 4.5.7 Maximum Output Voltage (V) 0.5 7.0 1.0 7.5 1.0 1.0 7.5 1.0 1.2.7 2.8.6 3.4.3 4.5.7 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 2.6 8.0 1.15 2.5 1.5 2.5 1.5 2.5 3.6 0.5 1.15			

460V Series 3-Phase

Model Number VFD - B 007 015 022 037 055 075 110 150 185 220 300 370 450 550 750 Max. Applicable Motor Output (kW) 0.75 1.5 2.2 3.7 5.5 7.5 11 15 18.5 22 30 37 45 55 75 Max, Applicable Motor Output (HP) 1.0 2.0 3.0 5.0 7.5 10 15 20 25 30 40 50 ted Output Capacity (KVA) 2.3 3.2 4.2 6.5 9.9 13.7 18.3 24.4 28.9 34.3 45.7 55.6 69.3 84 11-Rated Output Current (A) 2.7 4.2 5.5 8.5 13 18 24 32 38 45 60 73 91 110 15 aximum Output Voltage (V) 3-Phase Proportional to input voltage Output Frequency (Hz) 0.1~400Hz Carrier frequency (kHz) 1-15 1-9 1-6 3-Phase Rated Input Current (A) 3.2 4.3 5.9 11.2 14 19 Rated Voltage , Frequency 3-phase 380-480V , 50/60Hz Voltage Tolerance ±10%(342~528V) Frequency Tolerance ±5%(47~63Hz) Cooling Method Natural Fan Cooled Weight (Kg) 2.7 3.2 4.5 2.7 3.2 4.5 6.8 8 10 13 13 13 13 36 36

575V Series 3-Phase

Model Number VFD -			015	022	037	055	075	110	150	185	220	300	370	450	550	750
Max. Applicable Motor Output (kW)			1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75
Max. Applicable Motor Output (HP)			2.0	3.0	5.0	7.5	10	15	20	25	30	40	50	60	75	100
Ð	Rated Output Capacity (kVA)		3.5	4.5	7.5	10	13.4	18.9	21.9	26.9	33.9	40.8	51.8	61.7	79.7	99.6
atin	Rated Output Current (A)		3.5	4.5	7.5	10	13.5	19	22	27	34	41	52	62	80	100
H R	Rated Output Capacity (kVA) Rated Output Current (A) Maximum Output Voltage (V) Output Frequency (Hz)		3-Phase Proportional to input voltage													
đ.	Output Frequency (Hz)		0.1~400Hz													
ō	Carrier frequency (kHz)		1-10									1-8				-6
			3-Phase													
								3	-Phase	3						
ating	Rated Input Current (A)	2.0	3.6	4.9	9.9	10.8	14.3	3 19.8	-Phase 22	27.7	37	41	52	62	95	117
ut Rating	Rated Input Current (A) Rated Voltage , Frequency	2.0	3.6	4.9	9.9	10.8		19.8	22			41	52	62	95	117
Input Rating		2.0	3.6	4.9	9.9	10.8	3-ph	19.8 ase 50	22 10-600	27.7	50Hz	41	52	62	95	117
Input Rating	Rated Voltage , Frequency	2.0	3.6	4.9	9.9	10.8	3-ph	19.8 ase 50 5%*10	22 10-600	27.7 √,50/6 5~660	50Hz	41	52	62	95	117
Input Rating	Rated Voltage , Frequency Voltage Tolerance		3.6 ural	4.9	9.9	10.8	3-ph	19.8 ase 50 5%+10 ±5%	22 10-600 % (42	27.7 √,50/6 5~660 3Hz)	50Hz	41	52	62	95	117

	Control System	ı	SPWM (Sinusoidal Pulse Width Modulation)control (V/F or sensorless vector control)								
	Freq. Setting R	esolution	0.01Hz								
	Output Frequer	ncy Resolution	0.01Hz								
	Torque Charact	teristics	Including the auto-torque, auto-slip compensation; starting torque can be 150% at 1.0H								
S	Overload Endu	rance	150% of rated current for 1 minute								
rist	Skip Frequency	ý	Three zones, settings range 0.1-400Hz								
cte	Accel/Decel Tir	ne	0.1 to 3600 seconds (4 independent settings for Accel/Decel Time)								
Chara	Stall Preventio Frequency Set		20%-250%, Setting of Rated Current								
Control Characteristics	DC Injection B	iraking	Operation frequency 0-400Hz, output 0-100% rated current Start time 0-60 seconds, stop time 0-60 seconds								
Ũ	Braking Torque	8	Approx. 20% (up to 125% possible with option braking resistor or braking unit externally mounted, 1-15HP braking transistor built-in)								
	V/F Pattern		Adjustable V/F pattern								
	_	Keypad	Set by 🔊 🗸								
	Frequency Setting	External	Potentiometer-5KΩ/0.5W, 0 to +10VDC; -10 to +10VDC, 4 to 20mA, RS-485 interface;								
tics	Setung	Signal	Multi-Function Inputs 1 to 6 (15 steps, Jog, up/down)								
rist	Operation	Keypad	Set by RUN, STOP and JOG								
haracte	Setting Signal	External Signal	2 wires / 3 wires (Fwd, Rev, EF), JOG operation, RS-485 serial interface (MODBUS)								
Operating Characteristics	Multi-Function	Input Signal	Multi-step selection 0 to 15, Jog, accel/decel inhibit, first to forth accel/decel switches, cou PLC operation, external Base Block (NC, NO), auxiliary motor control is invalid, ACI/AV selections, drive reset, UP/DOWN key settings, sink/source selection								
-	Multi-Function O	utput Indication	AC Drive Operating, Frequency Attained, Non-zero, Base Block, Fault Indication, Local/Remote indication, PLC Operation indication, Auxiliary Motor Output, Driver is Read Overheat, Alarm, Emergency Stop								
	Analog Output	Signal	Analog frequency/current signal output.								
Ala	am Output Conta		1Form C contact or open collector output.								
Op	peration Function	S	AVR, S-Curve, Over-Veltage, Over-Current Stall Prevention, Fault Records, Adjustable Carr Frequency, DC Braking, Momentary Power Loss restart, Auto Tuning, Frequency Limits, Parameter LockReset, Vector Control, Counter, PID Control, Fan & Pump Control, PLC, MODBUS Communication, Reverse Inhibition, PC feedback control, abnormal reset, abnomal re-start, digital frequency output, sleepfrewival function, masteriauxiliary frequenc 1 st2/2nd frequency source selections								
Pri	otective Function	s	Self-testing, Over Voltage, Over Current, Under Voltage, Overload, Overheating, Externa Fault, Electronic thermal, Ground Fault.								
Dis	splay Keypads		8-key, 5-digit, 7-segment LED, 8 status LEDs, master frequency, output frequency, Output current, custom units, parameter values for setup, review and faults, RUN, STOP, RESET, FWD/REV, JOG								
ŝ	Protection Lev	el	IP20 ; NEMA1								
Pollution Degree		ee	2								
ndi	Installation Location		Altitude 1,000m or less, keep from corrosive gas, liquid and dust								
ပိ	Ambient Temp	erature	-10°C to 40°C (-10°C to 50°C without blind plate) Non-Condensing and not frozen								
Enviromental Conditions	Storage / Tran Temperature	sportation	-20°C to 60°C								
	Ambient Humi	ana .	Below 90% RH (non-condensing)								
÷.											
Envire	Vibration	aity	9.80665m/s ² (1G) less than 20Hz, 5.88m/s ² (0.6G) at 20 to 50Hz								