

# VFD-C2000



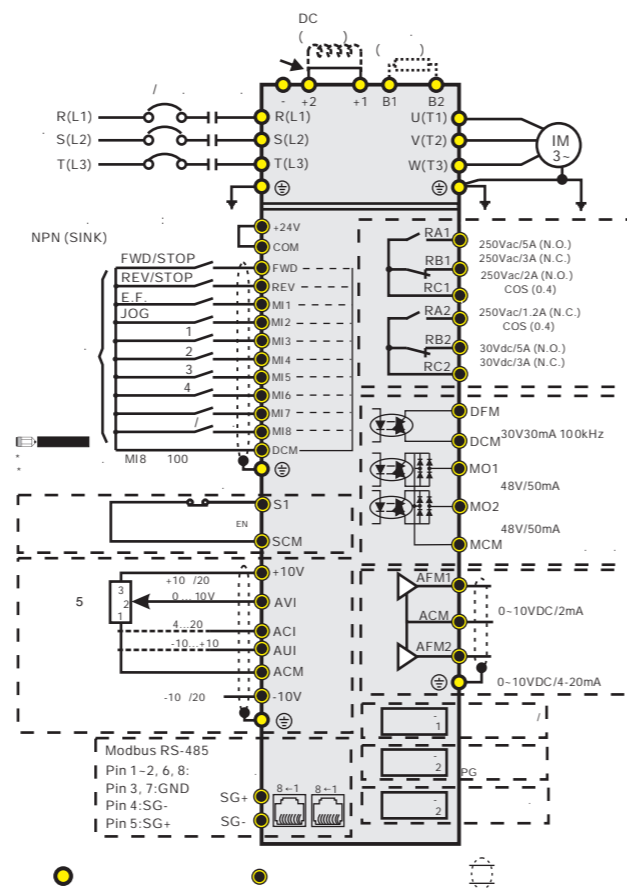
3- / 380 : 0.75~355



EN954-1, EN60204-1 IEC61508

PROFIBUS-DP, DeviceNet, MODBUS TCP Ethernet/IP

37 ) RFI-



## VFD-C

	1: V/F, 2: SVC, 3: VF+PG, 4: FOC+PG			
V/f	150%	0.5	150%	0
	4			
	5 ( 40 )			
	.200%			
	+5%			
( )	: 0.01~600.00 ;		: 0.00 ~ 300.00	
	: ±0.01%, -10...+40°		: ±0.1%, 25±10°	
	: 0.01		: 0.03/60 (±11 )	
	: 120%		1	
	: 150%		1	
	+10...-10 , 0...10 , 4...20 , 0...20			
/	0.00...600.00/0.0...6000.0			
	,16			
	MODBUS (RS-485 (RJ45) .115.2 / ),			
	B : / ;		C :	
	: 240%			
	: 170~175%;		: 180~185%	
230:			DC	410
460:			DC	820
	20			
	: 50%			
	IEC60364-1/IEC60664-1 2,			
	NEMA 1/UL Type 1		: -10...+40°	
	2%		1° 40...60°	
	UL Open Type		: -10...+50°	
	2%		1° 50...60°	
/	-25...+70°			
	.90%			
/	.95%			
/	86 ... 106			
	70 ... 106			
	IEC60721-3-3 (application is in progress)			
	Class 3C2; Class 3S2			
	Class 2C2; Class 2S2			
	Class 1C2; Class 1S2			
	1000		1000...3000	
	2%		0.5°C 100	
/	ISTA procedure 1A( ) IEC60068-2-31			
1.5	, 3-13 , 1G		13-200 ( IEC 60068-2-6)	
15G	11 (		IEC/EN 60068 2-27)	

VFD-C

		50/60					
<b>A</b>	VFD007C43A/E	3-	, 380 - 480	0,75	3,0	2,9	2 ...15 130,0 250,0 170
	VFD015C43A/E	3-	, 380 - 480	1,5	4,0	3,8	
	VFD022C43A/E	3-	, 380 - 480	2,2	6,0	5,7	
	VFD037C43A/E	3-	, 380 - 480	3,7	9,0	8,1	
	VFD040C43A/E	3-	, 380 - 480	4,0	10,5	9,5	
	VFD055C43A/E	3-	, 380 - 480	5,5	12,0	11,0	
<b>B</b>	VFD075C43A/E	3-	, 380 - 480	7,5	18,0	17,0	2 ...15 190,0 320,0 190,0
	VFD110C43A/E	3-	, 380 - 480	11,0	24,0	23,0	
	VFD150C43A/E	3-	, 380 - 480	15,0	32,0	30,0	
<b>C</b>	VFD185C43A/E	3-	, 380 - 480	18,5	38,0	36,0	2 ...10 250,0 400,0 210,0
	VFD220C43A/E	3-	, 380 - 480	22,0	45,0	43,0	
	VFD300C43A/E	3-	, 380 - 480	30,0	60,0	57,0	
<b>D</b>	VFD370C43A/E	3-	, 380 - 480	37	73,0	69,0	2 ...10 A: 330,0 550,0 275,0 E: 330,0 688,3 275,0
	VFD450C43A/E	3-	, 380 - 480	45	91,0	86,0	
	VFD550C43A/E	3-	, 380 - 480	55	110,0	105,0	
	VFD750C43A/E	3-	, 380 - 480	75	150,0	143,0	
<b>E</b>	VFD900C43A	3-	, 380 - 480	90	180,0	171,0	2 ...9 370,0 589,0 300,0 370,0 715,8 300,0
	VFD1100C43A	3-	, 380 - 480	110	220,0	209,0	
	VFD900C43E	3-	, 380 - 480	90	180,0	171,0	
	VFD1100C43E	3-	, 380 - 480	110	220,0	209,0	
<b>F</b>	VFD1320C43A	3-	, 380 - 480	132	260,0	247,0	2 ...9 420,0 800,0 300,0 420,0 940,0 300,0
	VFD1600C43A	3-	, 380 - 480	160	310,0	295,0	
	VFD1320C43E	3-	, 380 - 480	132	260,0	247,0	
	VFD1600C43E	3-	, 380 - 480	160	310,0	295,0	
<b>G</b>	VFD1850C43A	3-	, 380 - 480	185	370,0	352,0	2 ...9 550,0 1000,0 397,0 550,0 1240,2 397,0
	VFD2200C43A	3-	, 380 - 480	220	460,0	437,0	
	VFD1850C43E	3-	, 380 - 480	185	370,0	352,0	
	VFD2200C43E	3-	, 380 - 480	220	460,0	437,0	
<b>H</b>	VFD2800C43A	3-	, 380 - 480	280	550,0	523,0	2 ...9 600,0 1390,0 398,0 600,0 1577,0 398,0
	VFD3150C43A	3-	, 380 - 480	315	616,0	585,0	
	VFD3550C43A	3-	, 380 - 480	355	683,0	649,0	
	VFD2800C43E	3-	, 380 - 480	280	550,0	523,0	
	VFD3150C43E	3-	, 380 - 480	315	616,0	585,0	
VFD3550C43E	3-	, 380 - 480	355	683,0	649,0		



EMI- "A"

MODEL:VFD007C43A

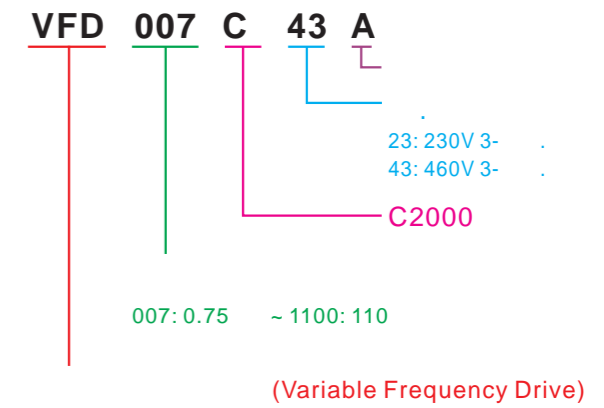
INPUT:  
Normal Duty: 3PH 380-480V 50/60Hz 4.3A  
Heavy Duty: 3PH 380-480V 50/60Hz 4.1A

OUTPUT:  
Normal Duty: 3PH 0-480V 3A 2.4KVA 1HP  
Heavy Duty: 3PH 0-480V 2.9A 2.3KVA 1HP

FREQUENCY RANGE:  
Normal Duty: 0-600Hz  
Heavy Duty: 0-300Hz

Version: VX.XX

007C43A7T9300002  
DELTA ELECTRONICS, INC.  
MADE IN XXXXXXXX



VFD-C:

CMC-EIP01 CMC-MOD01		EtherNet/IP (CMC-EIP01) MODBUS TCP (CMC-MOD01) 10/100 / ,
CMC-PD01		DP-PROFIBUS 9.6 / , 19.2 / , 96.75 / , 187.5 / , 500 / , 1.5 / , 3 / , 6 / 12 /
CMC-DN01		DeviceNet 125 / , 250 / , 500 /
EMC-COP01		CANopen 1 500k 250k 125k 100k 50k
EMC-R6AA		(6 )
EMC-D42A		(4 2 / )
EMC-D611A		(6 )
EMC-PG01O EMC-PG01L EMC-PG01U EMC-PG01R		PG (1-255) : 300
KPC-CE01		7- LED- (MKC-KPPK) , IP56.



# VFD-EL

1- / 220 : 0.2~2.2  
 3- / 380 : 0.4~3.7

DIN-

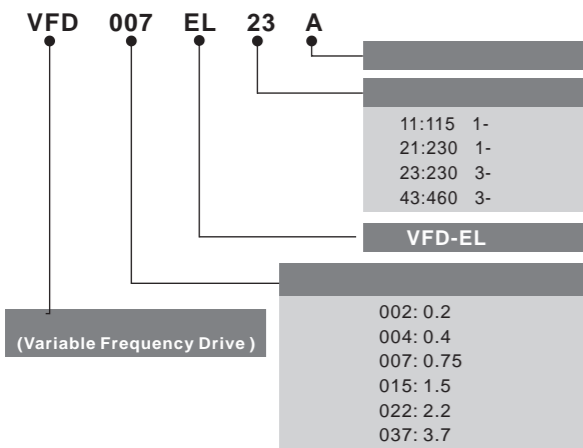
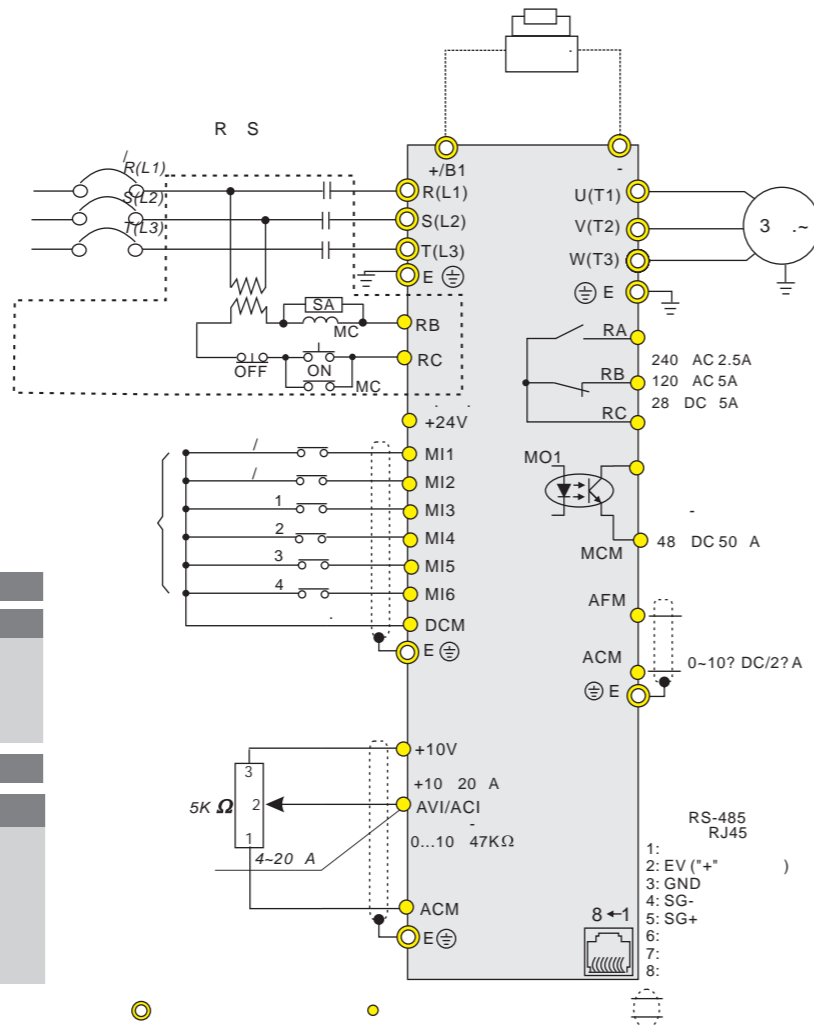
V/f

RS-485 (Modbus)

B

PU06

Profibus, DeviceNet, LonWorks CANopen  
 VFD PC



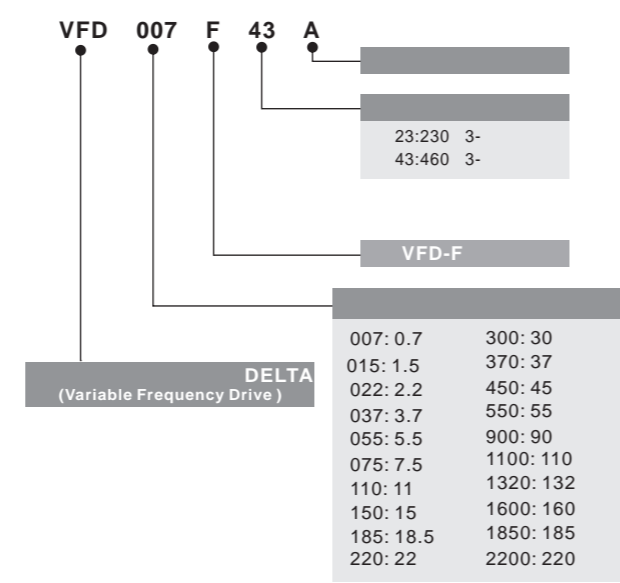
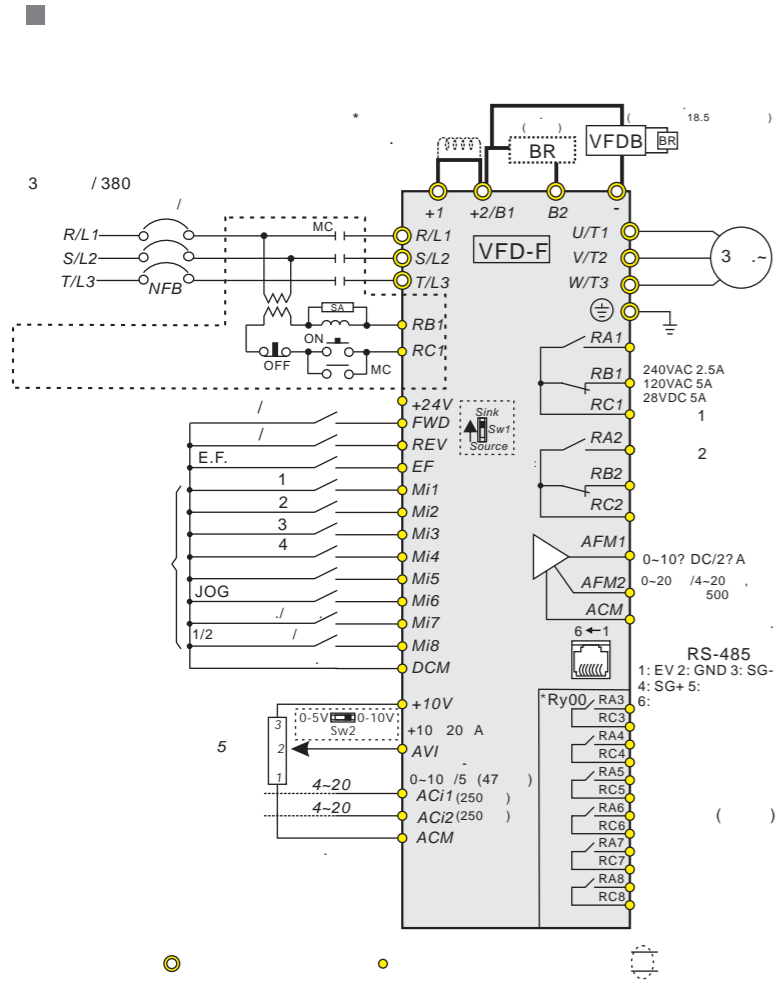
# VFD-EL

	50/60					
VFD002EL21A	1-	, 200 - 240	0,2	1,6	72,0 174,0 136,0	1,1
VFD004EL21A	1-	, 200 - 240	0,4	2,5	72,0 174,0 136,0	1,1
VFD004EL43A	3-	, 380 - 480		1,5	72,0 174,0 136,0	1,2
VFD007EL21A	1-	, 200 - 240	0,75	4,2	72,0 174,0 136,0	1,1
VFD007EL43A	3-	, 380 - 480		2,5	72,0 174,0 136,0	1,2
VFD015EL21A	1-	, 200 - 240	1,5	7,5	100,0 174,0 136,0	1,9
VFD015EL43A	3-	, 380 - 480		4,2	72,0 174,0 136,0	1,2
VFD022EL21A	1-	, 200 - 240	2,2	11,0	100,0 174,0 136,0	1,9
VFD022EL43A	3-	, 380 - 480		5,5	100,0 174,0 136,0	1,9
VFD037EL43A	3-	, 380 - 480	3,7	8,2	100,0 174,0 136,0	1,9

		SPWM ( ) ; V/f
	( )	0.1-600 ( ) 0.01
		0.01
		:150% 5.0
		150%
		0.1-600
	/	0.1-600 ( 2 )
		20 250%
		: 0.1-600.0 0-60 :0-100% 0-60
		20% ( 125%
	/	(V/f)
		-5 /0.5 , 0...+10VDC, 4... 20mA, RS-485; , Jog, up/down
		3 - 9 (15)
		RUN STOP
	2	./3 . (FWD, REV, EF), JOG ( RS-485 (MODBUS) ) ,
		0 - 15, Jog, (NC, NO), ACI/AVI, (UP/DOWN), NPN/PNP
		./
		./
		./
		(NC/NO)
		(1) 1
		AVR, S-
		5
		MODBUS,
		NPN/PNP
		(PTC)
	6-	,4 ,7- 4- LED-
		, RUN, STOP, RESET, FWD/REV, JOG
		IP20
		2
		1000
		-10°C ... +50°C (40°C)
		-20°C ... 60°C
		90% RH ( )
		9.80665 / <sup>2</sup> (1G) 20 ,5.88 / <sup>2</sup> (0.6G) 20 50

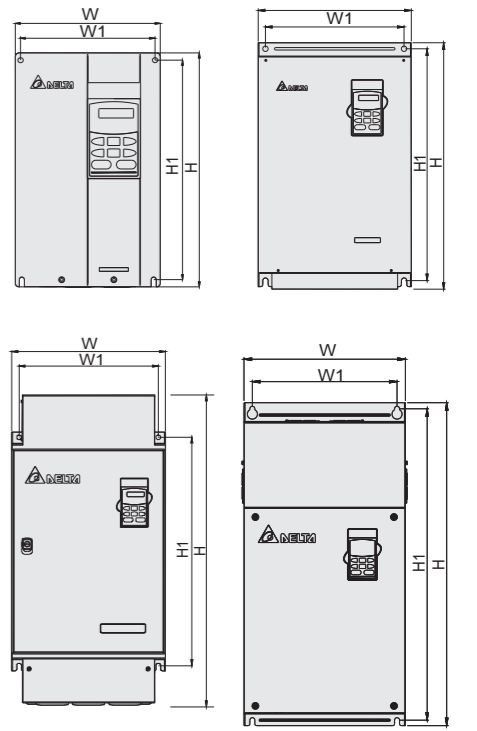
# VFD-F

: 0.1~120  
 V/F  
 ( )  
 15  
 132 - 220  
 18.5 - 160  
 185 - 220  
 MODBUS ( 38400 / ),  
 Profibus DP, DeviceNet, LonWorks

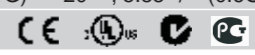


## VFD-F

	50/60			( )
VFD007F43A		0,75	2,7	150,0 260,0 160,2
VFD015F43A		1,5	4,2	150,0 260,0 160,2
VFD022F43A		2,2	5,5	150,0 260,0 160,2
VFD037F43A		3,7	8,5	150,0 260,0 160,2
VFD055F43B		5,5	13,0	200,0 323,0 183,2
VFD075F43B		7,5	18,0	200,0 323,0 183,2
VFD110F43A		11,0	24,0	200,0 323,0 183,2
VFD150F43A		15,0	32,0	200,0 323,0 183,2
VFD185F43A		18,5	38,0	250,0 403,0 205,4
VFD220F43A		22,0	45,0	250,0 403,0 205,4
VFD300F43A		30,0	60,0	250,0 403,0 205,4
VFD370F43A	3-	37,0	73,0	370,0 589,0 260,0
VFD450F43A		45,0	91,0	370,0 589,0 260,0
VFD550F43A		55,0	110,0	370,0 589,0 260,0
VFD750F43A		75,0	150,0	370,0 595,0 260,0
VFD900F43C		90,0	180,0	370,0 595,0 260,0
VFD1100F43C		110,0	220,0	425,0 850,0 264,0
VFD1320F43A		132,0	260,0	425,0 850,0 264,0
VFD1600F43A		160,0	310,0	425,0 850,0 264,0
VFD1850F43A		185,0	370,0	547,0 1357,6 360,0
VFD2200F43A		220,0	460,0	547,0 1357,6 360,0



	SPWM ( ) ; V/f
( )	0.1~120 ( 0.01 )
	: 150% 1
	120%
	0.1~120
/	1-3600/0.1-3600.0/0.01-360.00 (3)
	20 250%
	: 0.1-120 .0 , : 0-100 % : 0-60 0-60
/	.20% ( 125% . 0.75-15 )
	AVR, S-
	MODBUS,
	, NPN/PNP
	8- ,5- ,7- ,5- .LED-
	, RUN, STOP, RESET, FWD/REV, JOG
	IP 20
	2
	1000
	-10°C... +40°C
/	-20°C ... +60°C
	90% RH ( )
	9.80665 / <sup>2</sup> (1G) 20 , 5.88 / <sup>2</sup> (0.6G) 20 50

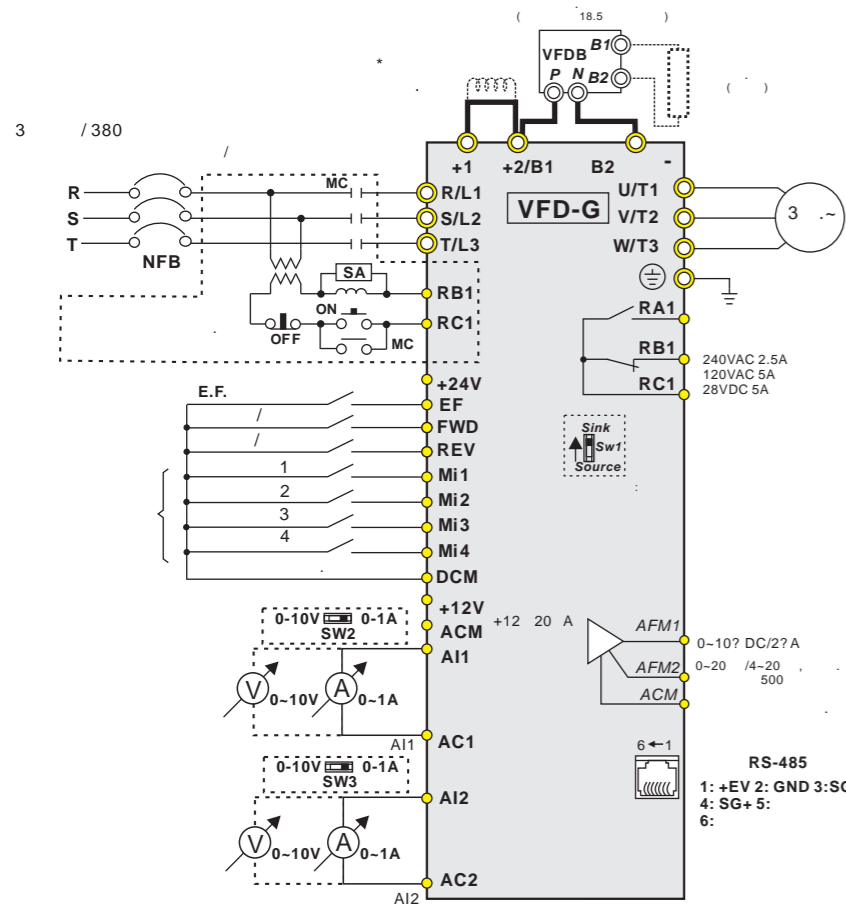


# VFD-G

: 150% 60  
 ( 5.5 -90 F>15 )  
 ( IGBT )  
 : 0.1-120  
 15  
 ( 18.5 -132 )  
 2 160-220 (1A)  
 MODBUS ( 38400 / )



3- / 380 : 5.5~220

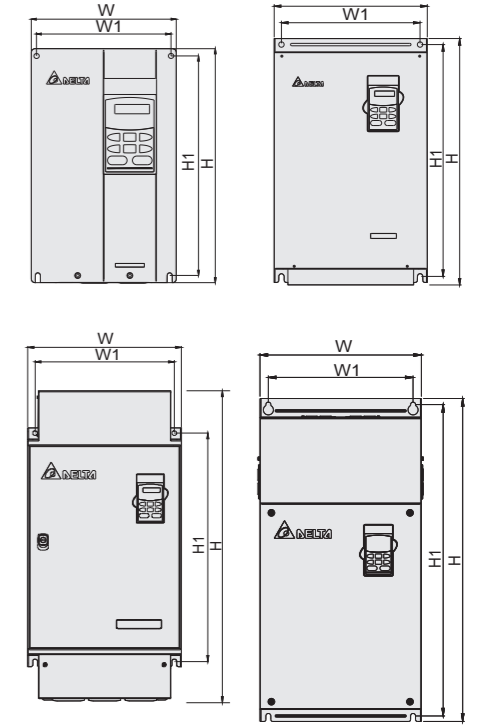


**VFD 075 F 43 A -G**  
(1) (2) (3) (4) (5)

- 1) DELTA
- 2) (075=7.5 )
- 3) (43: 3 / 460 )
- 4)
- 5) VFD-G

## VFD-G

	50/60			( )
VFD055F43B-G		5,5	13,0	200,0 323,0 183,2
VFD075F43B-G		7,5	18,0	200,0 323,0 183,2
VFD110F43A-G		11,0	24,0	200,0 323,0 183,2
VFD150F43A-G		15,0	32,0	200,0 323,0 183,2
VFD185F43A-G		18,5	38,0	250,0 403,0 205,4
VFD220F43A-G		22,0	45,0	250,0 403,0 205,4
VFD300F43A-G		30,0	60,0	250,0 403,0 205,4
VFD370F43A-G		37,0	73,0	370,0 589,0 260,0
VFD450F43A-G	3-	45,0	91,0	370,0 589,0 260,0
VFD550F43A-G		55,0	110,0	370,0 589,0 260,0
VFD750F43A-G		75,0	150,0	370,0 595,0 260,0
VFD900F43C-G		90,0	180,0	370,0 595,0 260,0
VFD1100F43C-G		110,0	220,0	425,0 850,0 264,0
VFD1320F43A-G		132,0	260,0	425,0 850,0 264,0
VFD1600F43A-G		160,0	310,0	425,0 850,0 264,0
VFD1850F43A-G		185,0	370,0	547,0 1357,6 360,0
VFD2200F43A-G		220,0	460,0	547,0 1357,6 360,0



	SPWM ( )	2-6 ( )	V/f
( )	0.1-120 ( )	0.01 ( )	
			: 150% 1
	150% 1	F>15 (5.5-90 )	; 120% .1 .(110-220 )
/	1-36000/0.1-3600.0/0.01-360.00 (3 )		
/	(V/f)		
	20 150%		
		▲ ▼	
	2	, 15	, RS-485(MODBUS), UP/DOWN
			RUN, STOP JOG
		FWD, REV, JOG ( )	, RS-485 (MODBUS)
		0 - 15, Jog, /	/ .2/3/4, (NC, NO), (UP/DOWN)
		AVR, S-	
		MODBUS,	
		1000	
		-10°C... +40°C	
		-20°C ... +60°C	
		90% RH ( )	
		9.80665 / <sup>2</sup> (1G) 20 , 5.88 / <sup>2</sup> (0.6G) 20 50	

# VFD-VL

: 0~120 0.01  
 : V/f, (Field-Oriented Control)  
 S- : 150%  
 (IM/SPM)  
 ABZ Heidenhain  
 RS-485 CAN  
 ( )  
 PC  
 : 136 11 ; 168 22

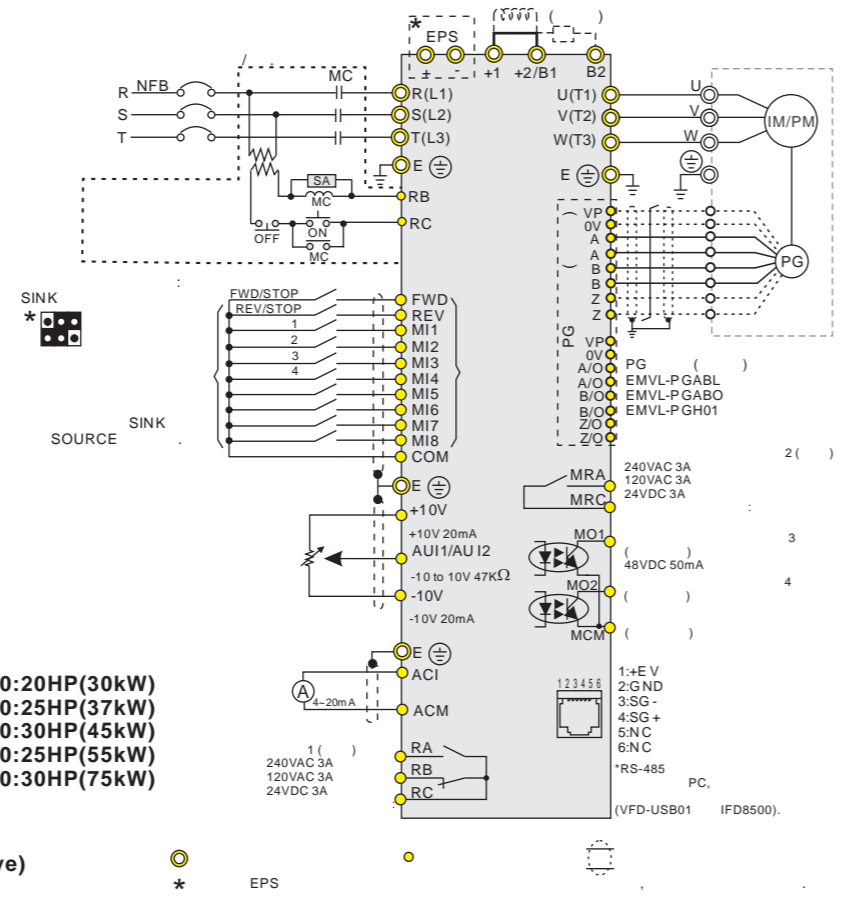
**NEW**



VFD 110 VL 23 A

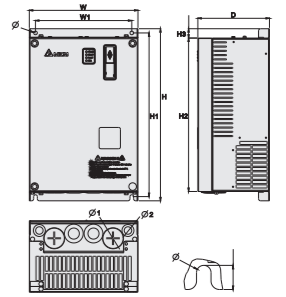
- 23:230V
- 43:400V
- VFD-VL
- 055:7.5HP(5.5kW)
- 075:10HP(7.5kW)
- 110:15HP(11kW)
- 150:20HP(15kW)
- 185:25HP(18.5kW)
- 220:30HP(22kW)
- 300:20HP(30kW)
- 370:25HP(37kW)
- 450:30HP(45kW)
- 550:25HP(55kW)
- 750:30HP(75kW)

(Variable Frequency Drive)



## VFD-VL

	50/60					
VFD055VL43A	3-	, 380 - 480	5,5	12,3	14	235,0 350,0 136,0 8
VFD075VL43A	3-	, 380 - 480	7,5	15,8	18	235,0 350,0 136,0 10
VFD110VL43A	3-	, 380 - 480	11,0	21	24	235,0 350,0 136,0 10
VFD150VL43A	3-	, 380 - 480	15,0	27	31	255,0 403,8 168,0 13
VFD185VL43A	3-	, 380 - 480	18,5	34	39	255,0 403,8 168,0 13
VFD220VL43A	3-	, 380 - 480	22,0	41	47	255,0 403,8 168,0 13
VFD300VL43A	3-	, 380 - 480	30,0	60	75	370,0 589,0 260,0 36
VFD370VL43A	3-	, 380 - 480	37,0	73	91	370,0 589,0 260,0 36
VFD450VL43A	3-	, 380 - 480	45,0	91	113	370,0 589,0 260,0 36
VFD550VL43A	3-	, 380 - 480	55,0	110	138	370,0 595,0 260,0 50
VFD750VL43A	3-	, 380 - 480	75,0	150	188	370,0 595,0 260,0 50

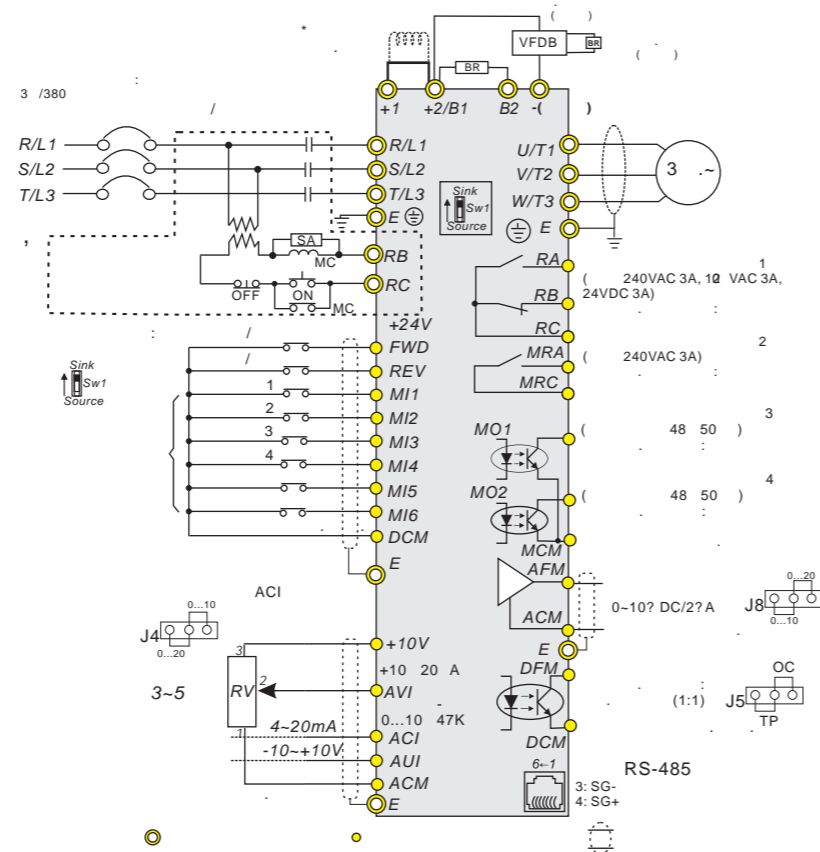


1: V/F, 2: VF+PG, 3: SVC, 4: FOC+PG, 5: TQR+PG, 6: FOC+PG(PM)

	150%	0.5	0	FOC + PG
	1:100		( 1:1000 PG )	
	± 0.5%		( ± 0.02% PG )	
	5	( 30 )		
	0.00	120.00		
	+/- 0.005%,		+/- 0.5%	
	0.01		: 1/4096(12-bit)	
			200%	
			±5%	
	0.00	600.00/	0.0	6000.0
	V/f		V/f	4-
			0-10V, ±10V, 4~20mA	
			20%	
			220%	300%
			50%	
	: 150%	60		: 200% 3
	: Vdc > 400/800V;			: Vdc < 200/400V
			(MOV)	
			NEMA 1/IP20	
			-10°C	45°C
			-20°C	60°C
			90% RH ( )	
	9.80665m/s <sup>2</sup> (1G)	20	, 5.88m/s <sup>2</sup> (0.6G)	20 50
	1000			

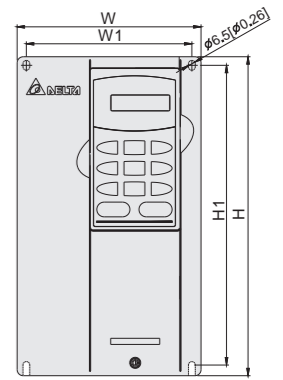
# VFD-VE

c (FOC+PG): 3- / 380 : 0.75~75  
 - 1 : 1000  
 0 3600  
 (SVC): - 1 : 100  
 c (Torque+PG)  
 (16)  
 2-  
 / -  
 Y/D  
 150% 0  
 (PTC- )  
 MODBUS ( 115200 / )



# VFD-VE

	50/60				( )	
VFD007V43A-2	3-	, 380 - 480	0,75	3,0	3,8	150,0 260,0 160,2 2,7
VFD015V43A-2	3-	, 380 - 480	1,5	4,2	5,3	150,0 260,0 160,2 3,2
VFD022V43A-2	3-	, 380 - 480	2,2	6,0	7,5	150,0 260,0 160,2 4,5
VFD037V43A-2	3-	, 380 - 480	3,7	8,5	10,0	150,0 272,1 183,7 6,8
VFD055V43A-2	3-	, 380 - 480	5,5	13,0	16,0	200,0 323,0 183,2 8,0
VFD075V43A-2	3-	, 380 - 480	7,5	18,0	22,0	200,0 323,0 183,2 10,0
VFD110V43B-2	3-	, 380 - 480	11,0	24,0	30,0	200,0 323,0 183,2 10,0
VFD110V43A-2	3-	, 380 - 480	11,0	24,0	30,0	250,0 403,0 205,4 13,0
VFD150V43A-2	3-	, 380 - 480	15,0	32,0	40,0	250,0 403,0 205,4 13,0
VFD185V43A-2	3-	, 380 - 480	18,5	38,0	47,0	250,0 403,0 205,4 13,0
VFD220V43A-2	3-	, 380 - 480	22,0	45,0	56,0	250,0 403,0 205,4 13,0
VFD300V43A-2	3-	, 380 - 480	30,0	60,0	75,0	370,0 589,0 260,0 36,0
VFD370V43A-2	3-	, 380 - 480	37,0	73,0	91,0	370,0 589,0 260,0 36,0
VFD450V43A-2	3-	, 380 - 480	45,0	91,0	113,0	370,0 589,0 260,0 36,0
VFD550V43C-2	3-	, 380 - 480	55,0	110,0	138,0	370,0 595,0 260,0 50,0
VFD750V43C-2	3-	, 380 - 480	75,0	150,0	188,0	370,0 595,0 260,0 50,0



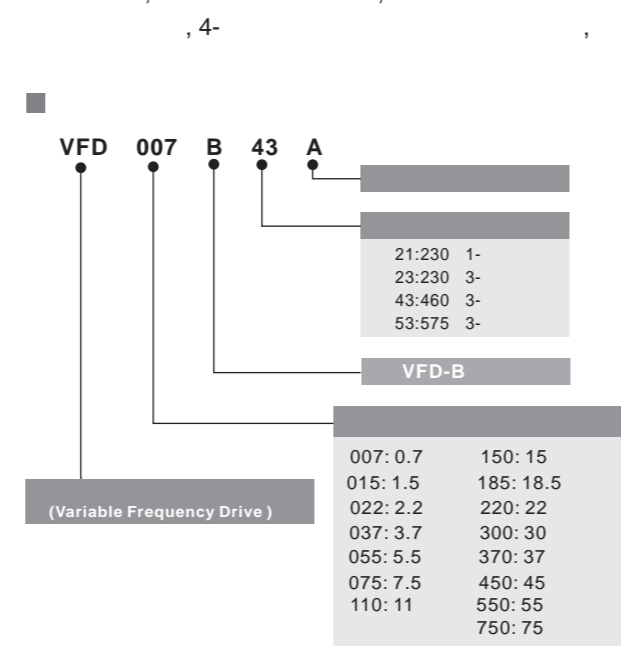
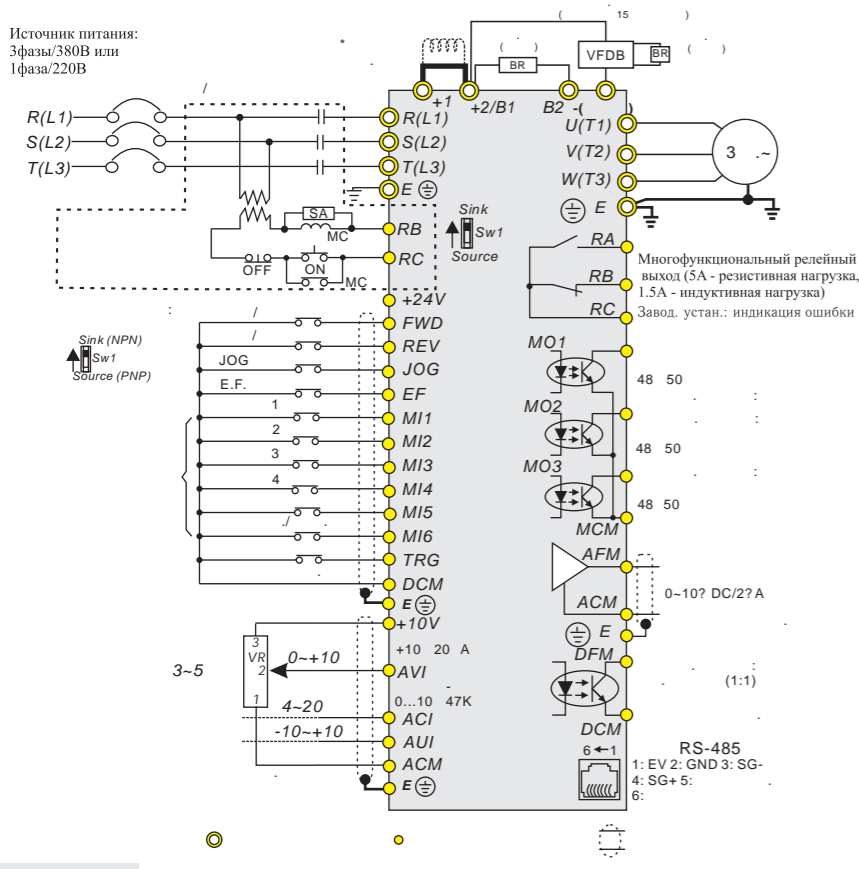
	SPWM ( ) ; 1) V/f ; 2) V/f + PG ; 3) SVC ( ) ; 4) FOC+PG ( ) ; 5) TQR+PG ( )
	: 150% 0.5 0 ( FOC+PG )
	1:100 ( (PG) 1:1000)
	0.5% ( (PG) 0.02%)
	5 ( FOC+PG 40 )
( )	0.00~600.00 ( 3600 )
	$\pm 0.005\%$ ( ), $\pm 0.5\%$ ( )
	0.01 ( ), 12 ( )
	: 200%
	$\pm 5\%$
/	0.00-600.00 / 0.00-600.00 )
/ - (V/f)	4-
	(0...+10VDC; -10...+10VDC, 4... 20mA)
	20%
	300%
	50%
	150% 1 ; 200% - 2
	: V > 400/800 VDC : V < 200/400 VDC
	(MOV)
	5
	IP20 ; NEMA1
	2
	1000
	-10°C... 40°C 11 ; -10°C ... 50°C 7.5
	-20°C ... 60°C
	90% RH ( )
	9.80665 / <sup>2</sup> (1G) 20 , 5.88 / <sup>2</sup> (0.6G) 20 50



# VFD-B

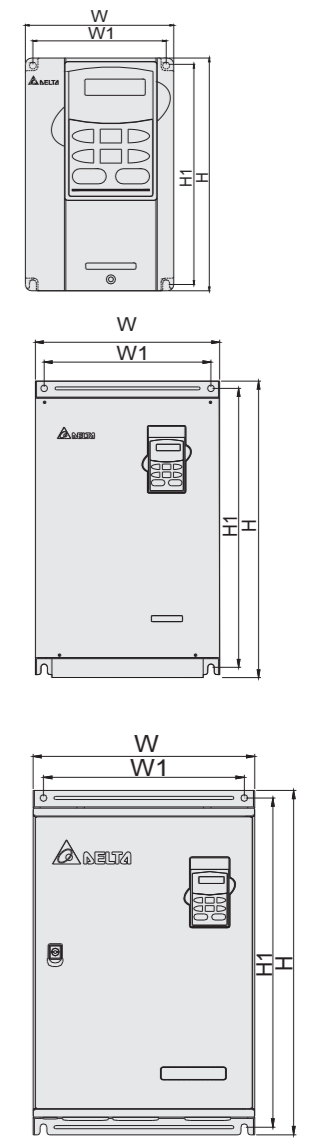
: 0.1~400 ( 2000 )  
 V/F  
 15  
 (PG)  
 MODBUS ( 38400 / ),  
 Profibus DP, DeviceNet, LonWorks  
 ( 15 )

1- / 220 : 0.75~2.2  
 3- / 380 : 0.75~75  
 3- / 600 : 0.75~75



## VFD-B

	50/60			( )	
VFD007B21A	1-	, 200 - 240	0,75	5,0	118,0 185,0 160,0 2,7
VFD007B43A	3-	, 380 - 480		2,7	118,0 185,0 145,0 2,7
VFD007B53A	3-	, 500 - 600		1,7	118,0 185,0 145,0 2,7
VFD015B21A	1-	, 200 - 240	1,5	7,0	118,0 185,0 160,0 3,2
VFD015B21B	1-	, 200 - 240		7,0	118,0 185,0 145,0 3,2
VFD015B43A	3-	, 380 - 480		4,2	118,0 185,0 160,0 3,2
VFD015B53A	3-	, 500 - 600	2,2	3,5	118,0 185,0 160,0 3,2
VFD022B21A	1-	, 200 - 240		11,0	150,0 260,0 160,2 4,5
VFD022B43B	3-	, 380 - 480		5,5	118,0 185,0 145,0 4,5
VFD022B53A	3-	, 500 - 600	3,7	4,5	118,0 185,0 145,0 4,5
VFD037B43A	3-	, 380 - 480		8,5	150,0 260,0 160,2 6,8
VFD037B53A	3-	, 500 - 600		7,5	150,0 260,0 160,2 6,8
VFD055B43A	3-	, 380 - 480	5,5	13,0	200,0 323,0 183,2 8,0
VFD055B53A	3-	, 500 - 600		10,0	200,0 323,0 183,2 8,0
VFD075B43A	3-	, 380 - 480		7,5	18,0
VFD075B53A	3-	, 500 - 600	13,5		200,0 323,0 183,2 10,0
VFD110B43A	3-	, 380 - 480	11,0		24,0
VFD110B53A	3-	, 500 - 600		19,0	200,0 323,0 183,2 13,0
VFD150B43A	3-	, 380 - 480		15,0	32,0
VFD150B53A	3-	, 500 - 600	22,0		250,0 430,8 205,4 13,0
VFD185B43A	3-	, 380 - 480	18,5		38,0
VFD185B53A	3-	, 500 - 600		27,0	250,0 430,8 205,4 13,0
VFD220B43A	3-	, 380 - 480		22,0	45,0
VFD220B53A	3-	, 500 - 600	34,0		250,0 430,8 205,4 13,0
VFD300B43A	3-	, 380 - 480	30,0		60,0
VFD300B53A	3-	, 500 - 600		41,0	370,0 589,0 260,0 36,0
VFD370B43A	3-	, 380 - 480		37,0	73,0
VFD370B53A	3-	, 500 - 600	52,0		370,0 589,0 260,0 36,0
VFD450B43A	3-	, 380 - 480	45,0		91,0
VFD450B53A	3-	, 500 - 600		62,0	370,0 589,0 260,0 36,0
VFD550B43A	3-	, 380 - 480		55,0	110,0
VFD550B43C	3-	, 380 - 480	110,0		370,0 589,0 260,0 36,0
VFD550B53A	3-	, 500 - 600	80,0		370,0 589,0 260,0 36,0
VFD750B43A	3-	, 380 - 480	75,0	150,0	425,0 660,0 280,0 50,0
VFD750B43	3-	, 380 - 480		150,0	370,0 595,0 260,0 36,0
VFD750B53A	3-	, 500 - 600		100,0	370,0 595,0 260,0 36,0



	SPWM ( ) ; V/f
( )	0.1~400 ( 0.01 )
	: 150% 1
	150% 1
	0.1~400
/	0.1-3600 ( 4 )
	AVR, S-
	MODBUS,
	, NPN/PNP
	IP20 ; NEMA1
	1000
	-10°C... 40°C (-10°C ... 50°C )
	-20°C ... 60°C
	90% RH ( )
	9.80665 / <sup>2</sup> (1G) 20 , 5.88 / <sup>2</sup> (0.6G) 20 50

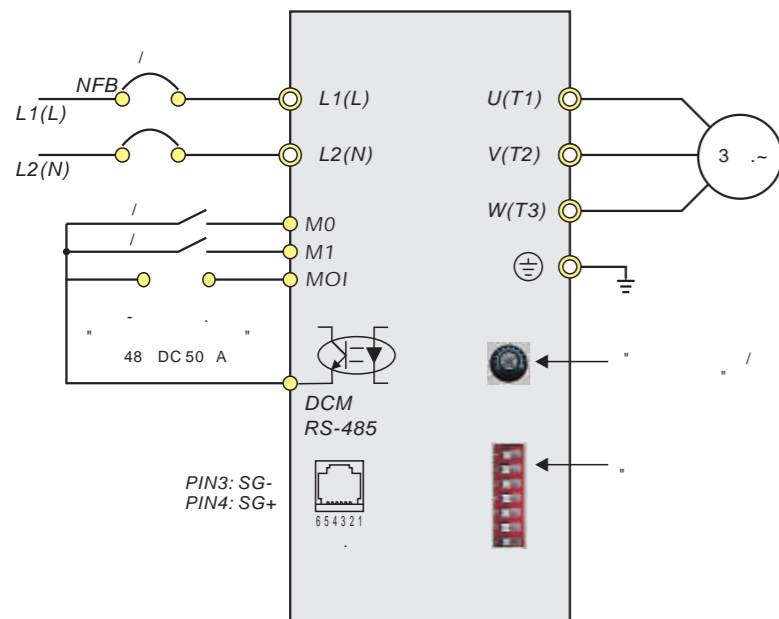
# VFD-L

(VFD-L1) (VFD-L2)  
 V/F  
 10  
 MODBUS ( 9600 / )  
 150% 5  
 4

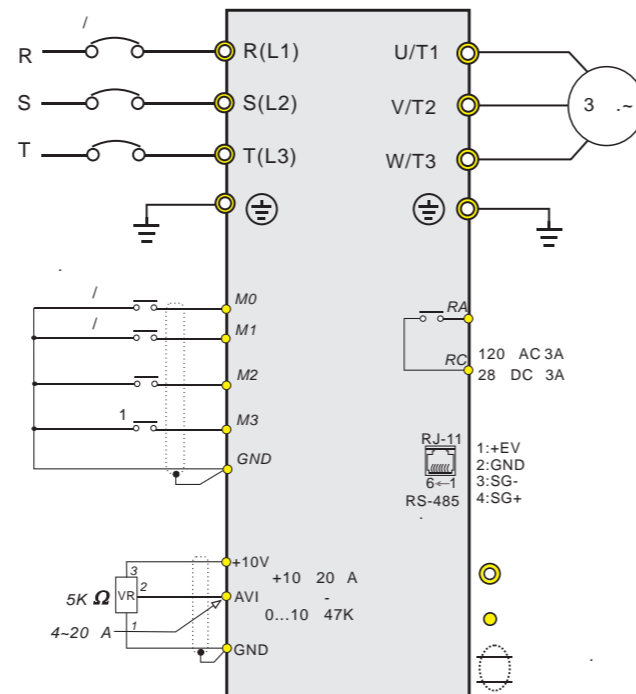
**VFD-L1** : 1- / 220 : 25~100  
**VFD-L2** : 1- / 220 : 0.2~0.75



VFD-L1



VFD-L2



## VFD-L

	50/60			( )
VFD40WL21A	1- ,200 - 240	25/40	0,25/0,4	60,0 100,0 135,7
VFD40WL21B	1- ,200 - 240		0,25/0,4	60,0 100,0 155,7
VFD001L21A	1- ,200 - 240	60/100	0,56/0,8	60,0 100,0 135,7
VFD001L21B	1- ,200 - 240		0,56/0,8	60,0 100,0 155,7
VFD002L21A	1- ,200 - 240	0,2	1,6	68,0 132,0 128,1
VFD002L21B	1- ,200 - 240		1,6	68,0 132,0 128,1
VFD004L21A	1- ,200 - 240	0,4	2,5	68,0 132,0 128,1
VFD004L21B	1- ,200 - 240		2,5	68,0 132,0 128,1
VFD007L21A	1- ,200 - 240	0,75	4,2	68,0 132,0 128,1
VFD007L21B	1- ,200 - 240		4,2	68,0 132,0 128,1

VFD-L1	SVPWM ( ) ; 10 ) ; V/f
( )	1.0~120
150%	1
0,5 30,0	
/ , /	
/ , / , RS-485	
( )	
-/ ; ; ; ;	
VFD-L2	SVPWM ( ) ; 3-10 ) ; V/f
( )	1.0~400 ( 0.1 )
150%	1
150%	1 : 150% 5.0
/	0.1-600
20 200%	
/ - (V/f)	
-/ ; ; ; ;	
	B
	IP20
	2
	1000
	-10°C ... +50°C (40°C)
	-20°C ... 60°C
	90% RH ( )
	9.80665 / <sup>2</sup> (1G) 20 ,5.88 / <sup>2</sup> (0.6G) 20 50

