GUIDE

301633

港迪HF500系列变频器

GUIDE

Wuhan Guide Technology Co., Ltd.

6

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ABOUT US

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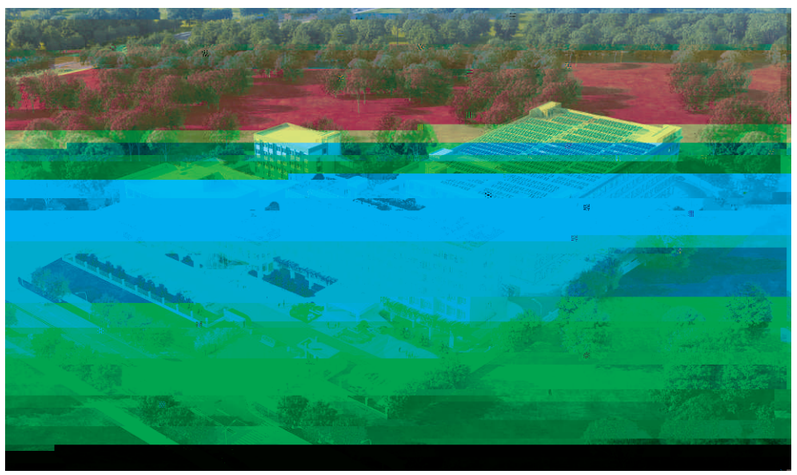


1 ---------- 03

2 ---------- 03—17

2.1 HF500 400V ---------- 03—08

HF500-4 ---------- 03

HF500-4 ---------- 03

HF500-4 ---------- 04

HF500B-4 ---------- 04

HF500B-4 ---------- 05

HF500B-4 ---------- 06

HF500A-4 ---------- 06

HF500A-4 ---------- 07

HF500A-4 ---------- 08

2.2 HF500 690V ---------- 08—17

HF500LC-6 ---------- 08

HF500LC-6 ---------- 09

---------- 10

---------- 10

HF500-6 ---------- 11

HF500-6 ---------- 11

HF500LC-6 HF500-6 ---------- 12

---------- 12

---------- 14

HF500B-6 ---------- 15

HF500B-6 ---------- 15

HF500B-6 ---------- 16

HF500A-6 ---------- 16

HF500A-6 ---------- 17

HF500A-6 ---------- 17

3 ---------- 18—54

3.1 HF500 400V ---------- 18—36

HF500-4 ---------- 18—20

C1~C9 ---------- 21

C10~C11 ---------- 21

HF500B-4 ---------- 22

HF500B-037-4-D HF500B-400-4-D ---------- 23

HF500B-C ---------- 24

HF500A-4 ---------- 24

75kW~400kW ---------- 25—26

250kW 315kW 400kW ---------- 27

500kW 630kW 800kW ---------- 28

1200kW ---------- 29

1600kW ---------- 29

2000kW ---------- 29

2400kW ---------- 30

HF500-4 C1 ---------- 30

75kW~132kW C1 ---------- 31

250kW~400kW C1 ---------- 32

500kW~800kW C1 ---------- 32

HF500-4 C2 C3 ---------- 33

75kW~400kW C2 C3 ---------- 34

HF500-4 C4 ---------- 35

75kW~132kW C4 ---------- 35

250kW~400kW C4 ---------- 36

500kW~800kW C4 ---------- 36

3.2 HF500 690V ---------- 37—54

HF500LC-6 ( ) ---------- 37

HF500-6 ( ) ---------- 38—40

HF500B-6 ---------- 40

160kW~560kW ---------- 41

---------- 42

HF500A-6 ---------- 43

160kW~500kW ---------- 43—49

160kW 250kW ---------- 50

315kW 400kW 500kW ---------- 51

630kW 800kW 1000kW ---------- 52

1500kW ---------- 53

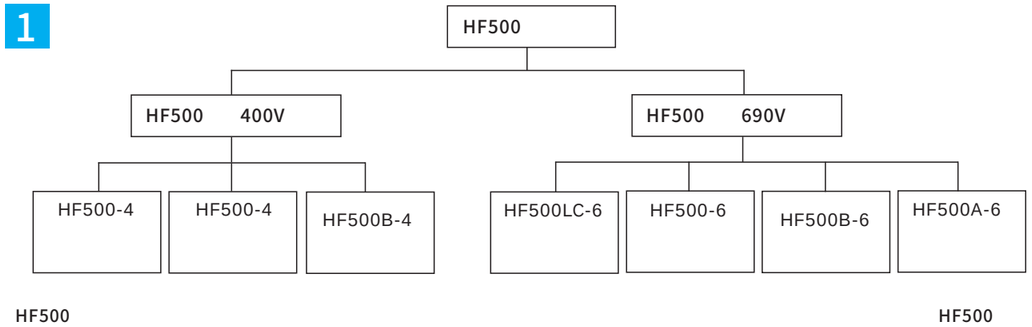
2000kW ---------- 53

2500kW ---------- 54

3000kW ---------- 54

4 HF500 ---------- 55—57

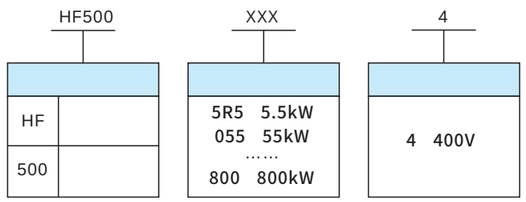
1



2

2.1 HF500 400V

HF500-4



HF500-4

D 400kW
C 400kW

Z1/ 100mm
Z2 200mm
Z3 250mm
Z4 300mm

1. 1410A
2. طي

HF500A-4

	kW	kVA	A	A
HF500A-075-4-D HF500A-075-4-F HF500A-075-4-C1 HF500A-075-4-C2 HF500A-075-4-C3 HF500A-075-4-C4	75	79	120	121
HF500A-132-4-D HF500A-132-4-F HF500A-132-4-C1 HF500A-132-4-C2 HF500A-132-4-C3 HF500A-132-4-C4	132	139	211	213
HF500A-250-4-D HF500A-250-4-F HF500A-250-4-C HF500A-250-4-C1 HF500A-250-4-C2 HF500A-250-4-C3 HF500A-250-4-C4	250	263	400	403
HF500A-315-4-D HF500A-315-4-F HF500A-315-4-C HF500A-315-4-C1 HF500A-315-4-C2 HF500A-315-4-C3 HF500A-315-4-C4	315	332	504	508
HF500A-400-4-D HF500A-400-4-F HF500A-400-4-C HF500A-400-4-C1 HF500A-400-4-C2 HF500A-400-4-C3 HF500A-400-4-C4	400	421	640	645
HF500A-500-4-C HF500A-500-4-C1 HF500A-500-4-C4	500	526	760	767
HF500A-630-4-C HF500A-630-4-C1 HF500A-630-4-C4	630	663	958	965
HF500A-800-4-C HF500A-800-4-C1 HF500A-800-4-C4	800	842	1216	1226
HF500A-1000-4-C HF500A-1200-4-C	1200	1263	1824	1838
	1600	1684	2432	2451
	2000	2105	3040	3064
	2400	2526	3648	3676

HF500A-4

		380V 460V
		50 / 60Hz
		-15% +10%
		<AC320V 15ms
		AFE

C x 4 x DC620V

HF500LC水冷

	轻过载工况 1		2			
	[A]	[kW]	[A]	[kW]		
HF500LC-160-6	180	160	147	132	6 3	G2
HF500LC-200-6	220	200	180	160		
HF500LC-250-6	290	250	220	200		
HF500LC-280-6	320	280	290	250		
HF500LC-315-6	355	315	320	280		
HF500LC-355-6	390	355	355	315		
HF500LC-400-6	420	400	390	355	12	G3
HF500LC-450-6	472	450	420	400		
HF500LC-500-6	545	500	472	450		
HF500LC-560-6	610	560	545	500		
HF500LC-630-6	675	630	610	560		
HF500LC-710-6	760	710	675	630		
HF500LC-800-6	810	800	760	710		
HF500LC-400-6-S	420	400	390	355	6	
HF500LC-450-6-S	472	450	420	400		
HF500LC-500-6-S	545	500	472	450		
HF500LC-560-6-S	610	560	545	500		
HF500LC-630-6-S	675	630	610	560		
HF500LC-710-6-S	760	710	675	630		
HF500LC-800-6-S	810	800	760	710		
HF500LC-900-6-F	896	900	810	800	12	
HF500LC-1000-6-F	1007	1000	896	900		
HF500LC-1120-6-S	1220	1120	1007	1000		
HF500LC-1200-6-S	1350	1200	1220	1120		
HF500LC-1400-6-F	1520	1400	1350	1200		
HF500LC-1600-6-F	1620	1600	1520	1400		

1）轻过载工况：过载能力为额定输出电流的150%，每5分钟允许过载1分钟。

2）重过载工况：过载能力为额定输出电流的200%，每5分钟允许过载5秒。

3）HF500LC-160-6至HF500LC-355-6配置为1个整流桥，且标配外置的1个输 6脉冲式电6 6

4）HF500LC-400-6至HF500LC-800-6配置为2个并联整流桥，且标配外置的2 6 12脉冲式电6 6

5）HF500LC-400-6-S至HF500LC-800-6-S配置为2个并联整流桥，配置短接6 1个输入电抗器，适用于6脉冲式电6

6）HF500LC-900-6-F至HF500LC-1600-6-F为并机机型6标配外置的2个输出均 2个输入电抗器，适用于12脉冲式电6 6

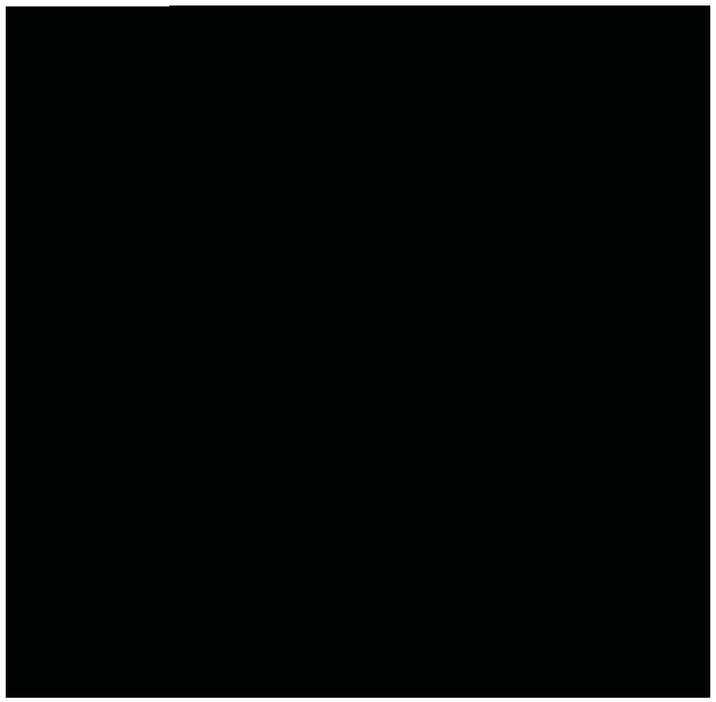
HF500LC-6 HF500LC-6 6 7

- R

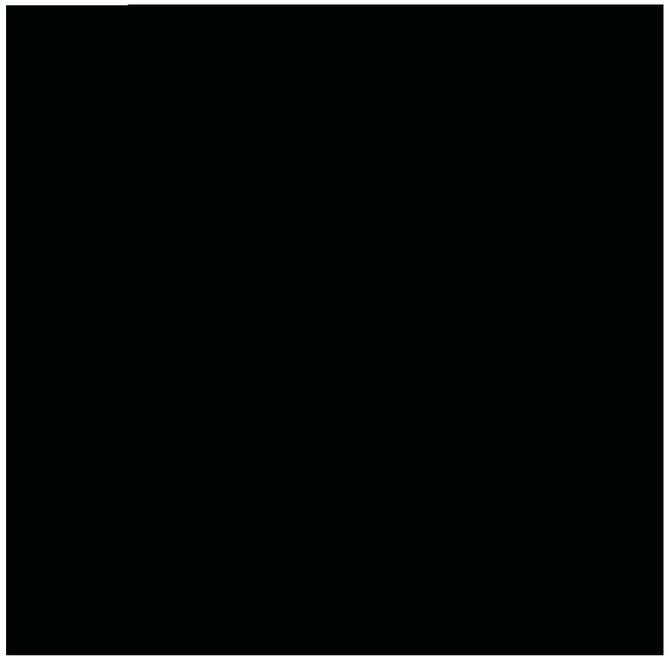
:

				L	W	H	D	W1	A*B
			ACR-						
HF500LC - 160 - 6	ACR-0200-0M14 -0.7SC	1							
HF500LC - 200 - 6	ACR-0250-0M11 -0.7SC	1							
HF500LC - 250 - 6	ACR-0290-096U-0.7SC	1							
HF500LC - 280 - 6	ACR-0330-085U-0.7SC	1							
HF500LC - 315 - 6	ACR-0330-085U-0.7SC	1							
HF500LC - 355 - 6	ACR-0390-072U-0.7SC	1							
HF500LC - 400 - 6	ACR-0250-0M11 -0.7SC	2							
HF500LC - 450 - 6	ACR-0290-096U-0.7SC	2							
HF500LC - 500 - 6	ACR-[illegible]U-0.7SC	2							
HF500LC - 560 - 6	ACR-0330-085U-0.7SC	2							
HF500LC - 400 - 6 - S	ACR-0490-057U-0.7SC	1							
HF500LC - 450 - 6 - S	ACR-0490-057U-0.7SC	1							
HF500LC - 500 - 6 - S	ACR-0600-047U-0.7SC	1							
HF500LC - 560 - 6 - S	ACR-0600-047U-0.7SC	1							
HF500LC - 630 - 6 - F	ACR-0680-042U-0.7SC	1							
HF500LC - 710 - 6 - F	ACR-0810-035U-0.7SC	1							
HF500LC - 800 - 6 - F	ACR-0810-035U-0.7SC	1							
HF500LC - 900 - 6 - F	ACR-0490-057U-0.7SC	2							
HF500LC - 1000 - 6 - F	ACR-0600-047U-0.7SC	2							
HF500LC - 1120 - 6 - F	ACR-0600-047U-0.7SC	2							
HF500LC - 1200 - 6 - F	ACR-0680-042U-0.7SC	2							
HF500LC - 1400 - 6 - F	ACR-0810-035U-0.7SC	2							
HF500LC - 1600 - 6 - F	ACR-0810-035U-0.7SC	2							

D2



D4



D3

(mm)

HF500B-6

HF500B - □□□ - 6 - □ - □□

HF500 B	160 160kW 200 200kW …… 1120 1120kW	6 690V	D C	Z1/ 100mm Z2 200mm Z3 250mm Z4 300mm

Z

HF500A-6

	[kW]	[kVA]	[A]	[A]
HF500A -160-6-D HF500A -160-6-F HF500A -160-6-C	160	169	141	153
HF500A -250-6-D HF500A -250-6-F HF500A -250-6-C	250	264	221	239
HF500A -315-6-D HF500A -315-6-F HF500A -315-6-C	315	332	278	301
HF500A -400-6-D HF500A -400-6-F HF500A -400-6-C	400	422	353	382
HF500A -500-6-D HF500A -500-6-F HF500A -500-6-C	500	527	441	477
HF500A -630-6-C	630	664	528	570
HF500A -800-6-C	800	843	670	724
HF500A -1000-6-C	1000	1053	837	905
HF500A -1500-6-C	1500	1579	1256	1358
HF500A -2000-6-C	2000	2106	1674	1810
HF500A -2500-6-C	2500	2632	2092	2262
HF500A -3000-6-C	3000	3158	2511	2715

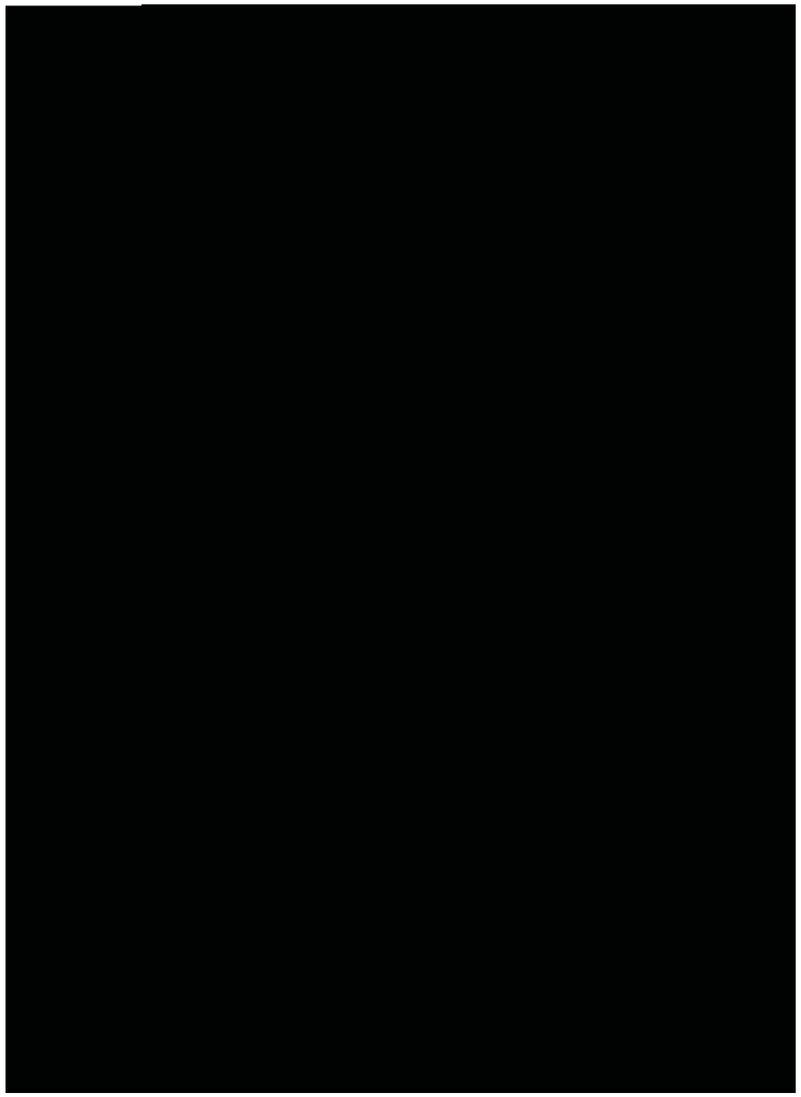
1050V

2% - 50

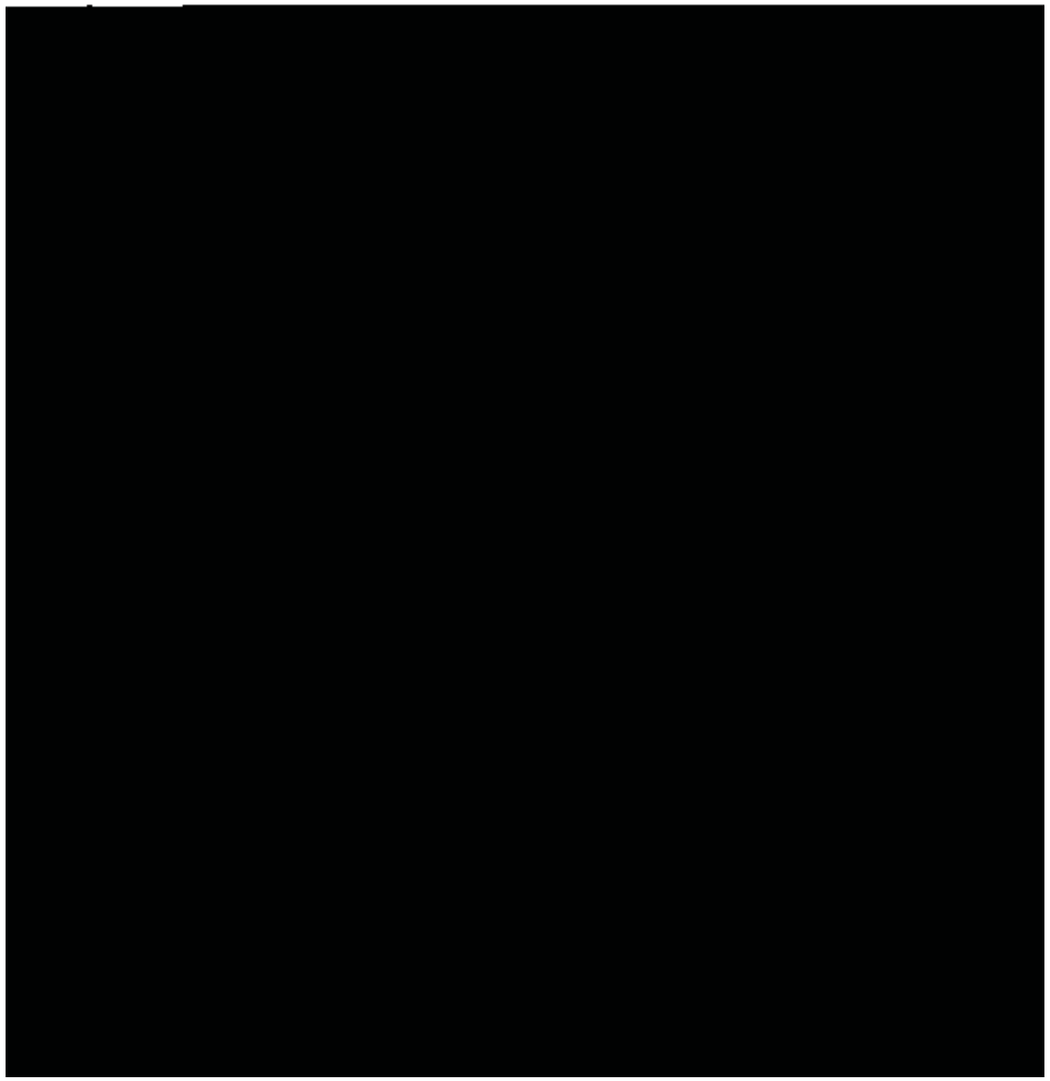
HF500A-6

		660V 690V
		50 / 60 Hz
		-15% +10%
	!	<AC 560 V 15ms
		AFE
		Profibus DP
		0.999
		4%
		5 150% 1

5%



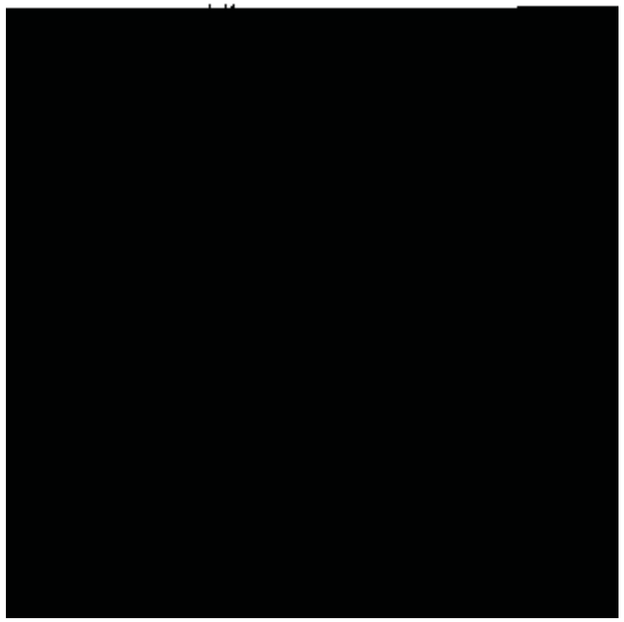
C10



C11

C1~C9

	(kW)	(mm)				8.8	kg	
		H1	W1	D1	A	B		



HF500B-037-4-D HF500B-400-4-D

	mm	mm		8.8	kg

1200kW

		mm)	
		H	

ÿ5v ð Î ñ¤x7 oäx7 é't— %ŸPW`€ W™ ' Ò''U w %ŸóW`€ N Gƒup "v$ x7W Ò'• Gƒup "w§¤x7 À4x7 o 4x7 ðÄx7W Ò'QwGƒup "tõ4x7W Ò'\:Gƒup "u¿p "x¿tx7 V ½Ôx7 J„x7 ö%ƒYp Ã¤ƒY— Ò'[ð ðp "tôÔƒYp ñ¤y™— Ò/PX ß mG‰W "(mG‰W ŸóX ß by` E˜6 sRBy`

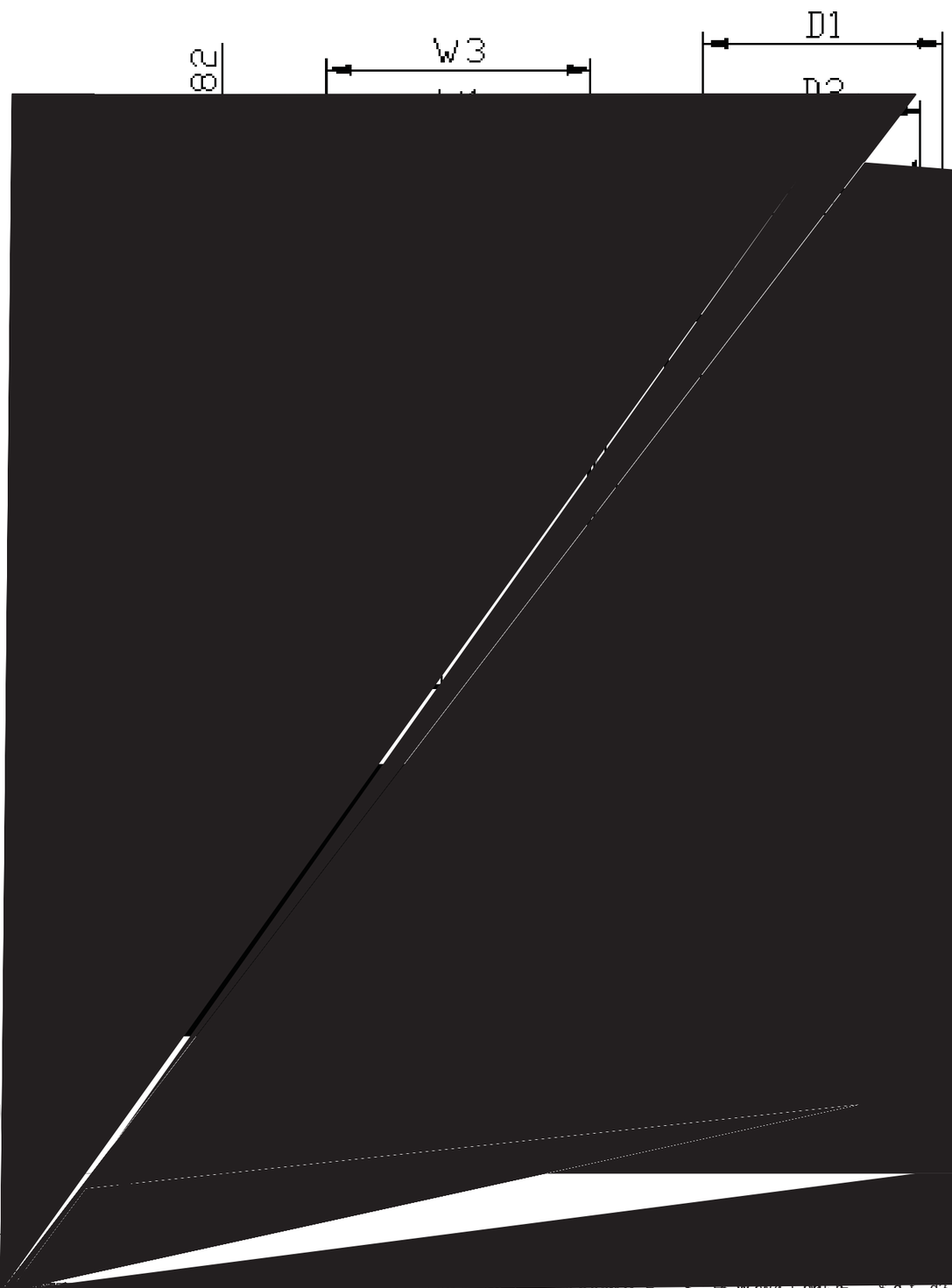
F ××7 PA 1 0 S € D HF500A-500-4-C1 HF500A-630-4-C1 HF500A-800-4-C1

75kW~132kW C1

mm)

HF500-4 C2 C3

75kW~400kW C2 IP65 C3 IP65

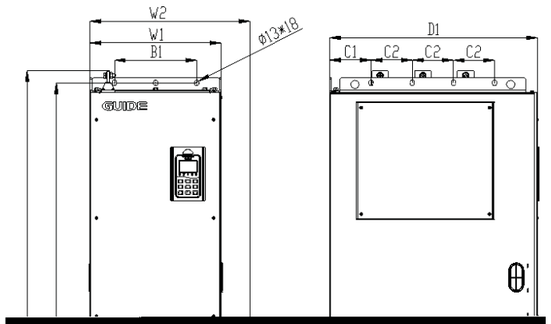


75kW~400kW C2 C3

		H1	H2	W1	W 3	D1	D2	Z	
1	HF500A-075-4-C2 HF500A-075-4-C2-Z1 HF500A-075-4-C3 HF500A-075-4-C3-Z1	1782	1500	800	885	800	650	100	800
2	HF500A-075-4-C2-Z2 HF500A-075-4-C3-Z2	1882	1500	800	885	800	650	200	800 85

3.2 HF500 690V

HF500LC-6 ( )



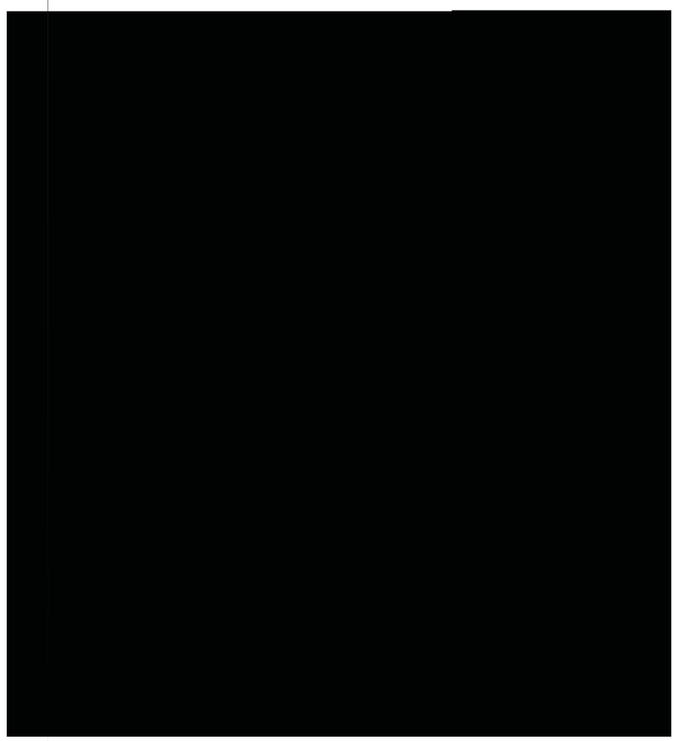
[redacted]

[redacted]

		H1	A	B					
HF500LC-160-6	160								
HF500LC-200-6	200								
HF500LC-250-6	250	103	998	250	Φ 13	M12	150	G2	
HF500LC-280-6	280								
HF500LC-315-6	315								
HF500LC-355-6	355								
HF500LC-400-6 HF500LC-400-6-S	400								
HF500LC-450-6 HF500LC-450-6-S	450								
HF500LC-500-6 HF500LC-500-6-S	500	118	1148	250	Φ 13	M12	170	G3	

[redacted]

H1 W1 W2 D1 A1 A2 B1 B2 C1 C2



160kW~560kW

		mm			mm							8.8	kg
		H1	W1	D1	A1	A2	A3	A4	B1	B2			
1	HF500B-160-6-D	1035	298	572	942	927	72.5	52.5	264	225	4-φ13	4-M 10	120
	HF500B-200-6-D												
	HF500B-250-6-D												
2	HF500B-280-6-D	1196	353	562	1138	1123	47	37	325	282	4-φ13	4-M10	150
	HF500B-315-6-D												
	HF500B-355-6-D												
3	HF500B-400-6-D	1335	356	634	1287	1240	43	37	325	275	4-φ13	4-M10	200
	HF500B-450-6-D												
	HF500B-500-6-D												
	HF500 B-560-6-D												

560kW

[redacted]

		mm			
		W 1	D1	Z	
		0	700	100	900
		700	200	900	
3	HF5				
	HF500 B				
	HF500 B-90	700	250	900	100
	HF500 B-[illegible]				

[redacted]

HF500A-6

[redacted]

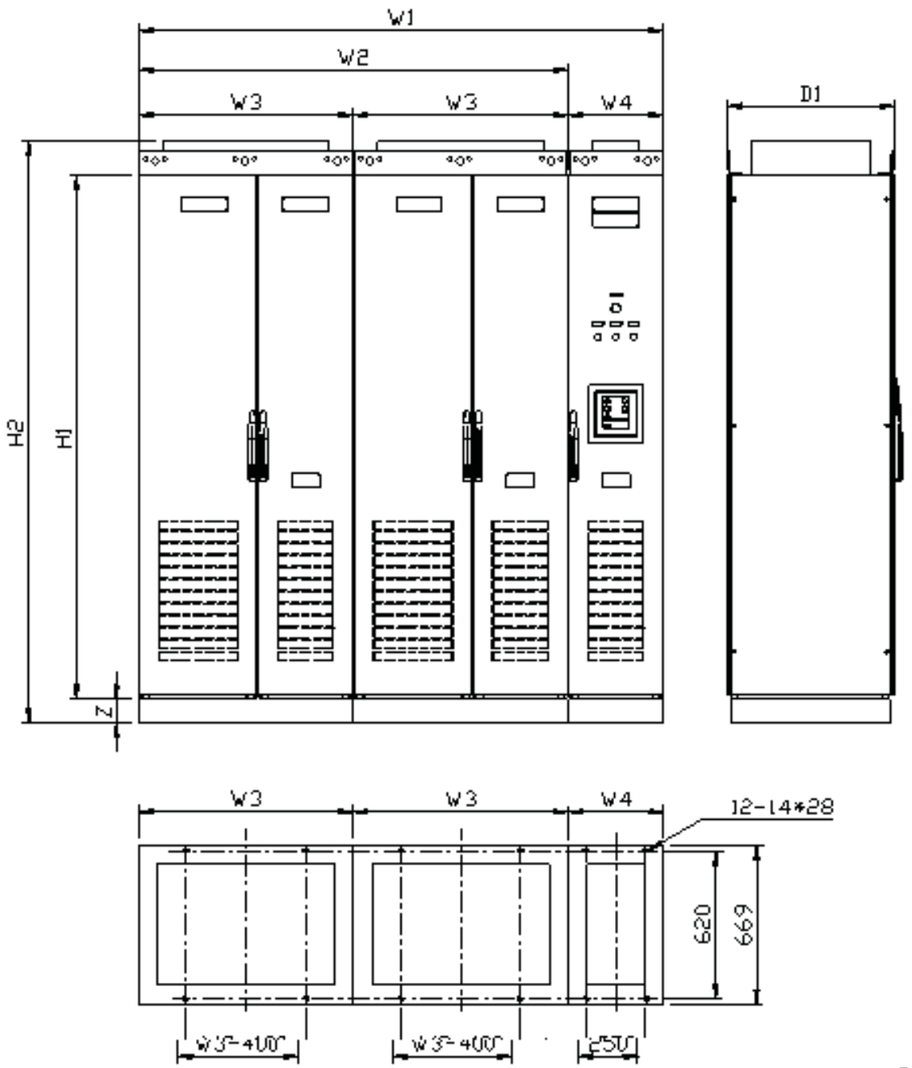
551

00

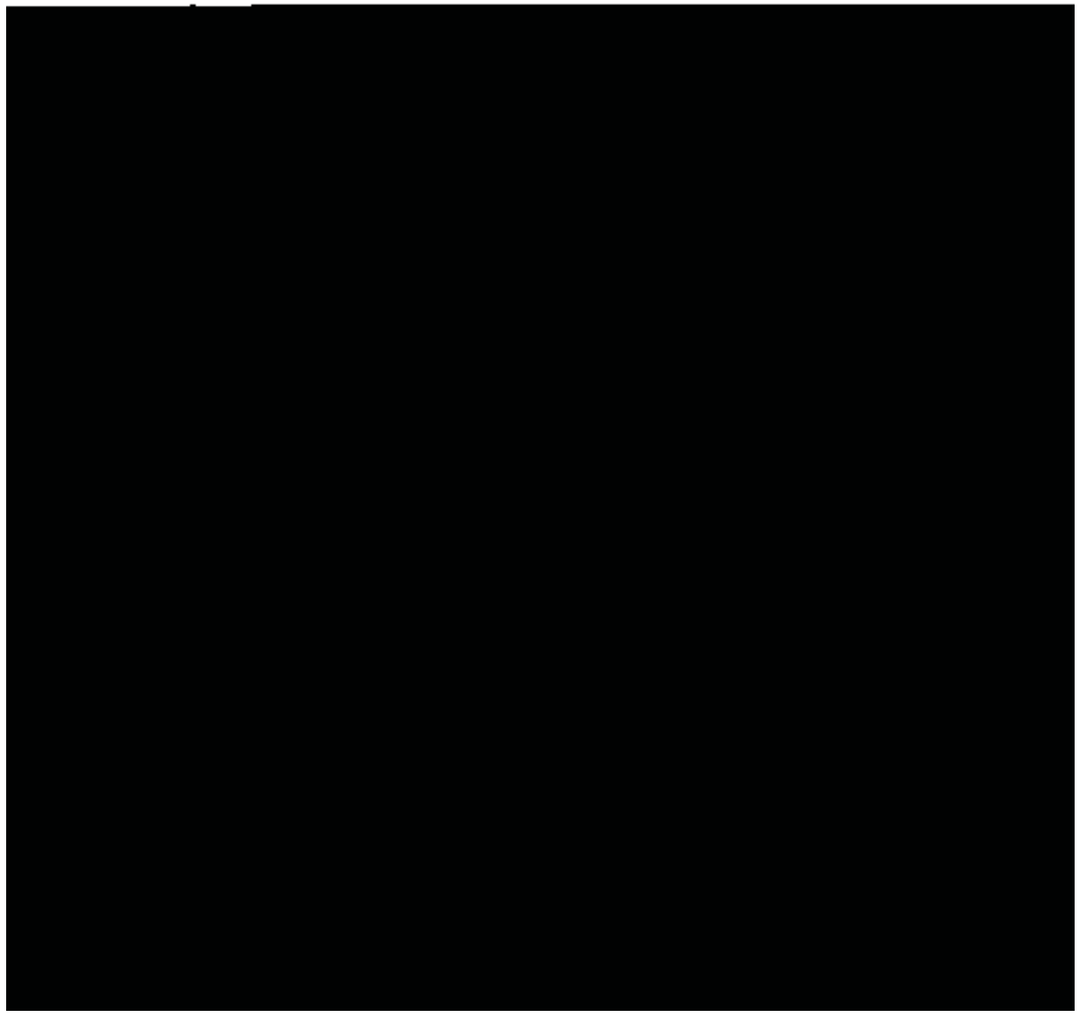
160kW~500kW

[redacted]

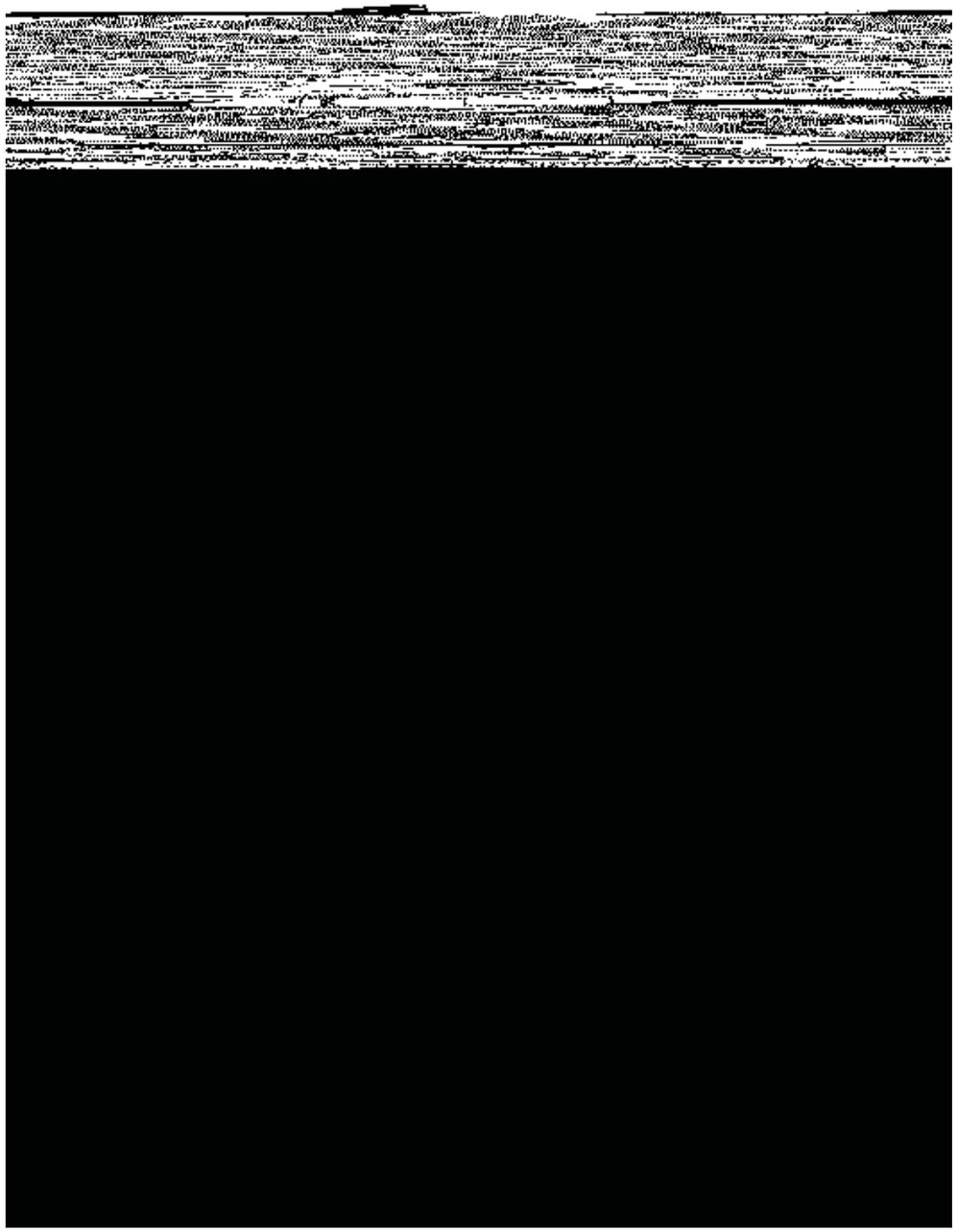
04



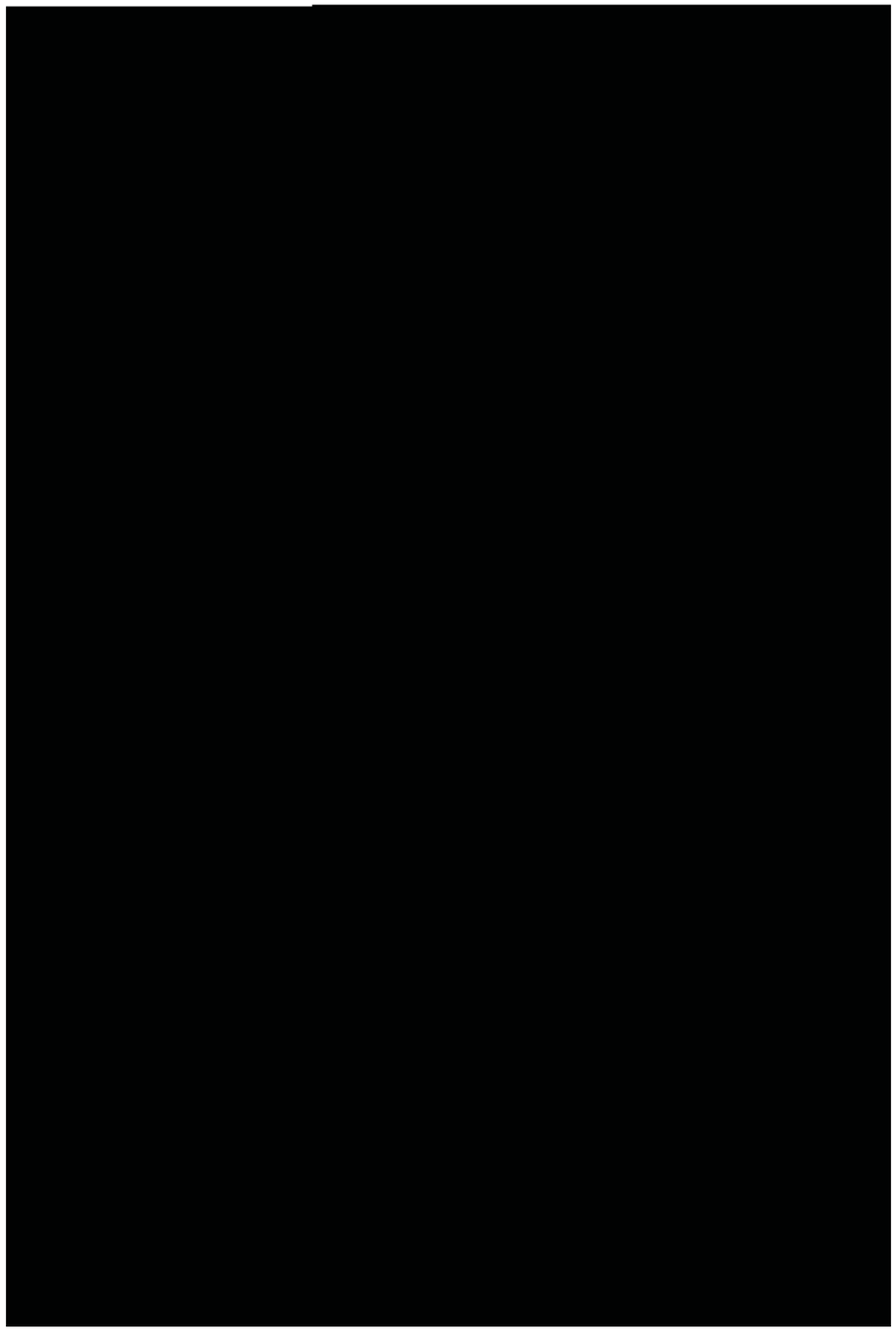
HF500A-630-6-C+P HF500A-800-6-C+P
HF500A-1000-6-C+P



HF500A-1500-6-C+P



HF500A-2000-6-C+P



HF500A-2500-6-C+P

160kW 250kW

H500 F

		mm)							
		H1	H2	W 1	W2	W 3	D1	Z	
	HF500A-160-6-C								
	HF500A-160-6-C-3000-6-C+P								

H500 F

2

H500 F

2

H500 F

H

5

H500 F

H500

H500PPPP± 1G5 1GG5 1

315kW 400kW 500kW

		mm)							(kg)
		H1	H2	W 1	W2	W 3	D1	Z	
1	HF500A -315 -6 -C HF500A -315 -6 -C -Z1 HF500A -400 -6 -C HF500A -400 -6 -C -Z1 HF500A -500 -6 -C HF500A -500 -6 -C -Z1	2450	2200	/	900	/	700	100	10 00
2	HF500A -315 -6 -C -Z2 HF500A -400 -6 -C -Z2 HF500A -500 -6 -C -Z2	2550	2200	/	900	/	700	200	1000
3	HF500A -315 -6 -C -Z3 HF500 A-400 -6 -C -Z3 HF500A -500 -6 -C -Z3	2600	2200	/	900	/	700	250	1000
4	HF500A -315 -6 -C -Z4 HF500A -400 -6 -C -Z4 HF500A -500 -6 -C -Z4	2650	2200	/	900	/	700	300	1000
5	HF500A -315 -6 -C+P HF500A -315 -6 -C -Z1+P HF500A -400 -6 -C+P HF50 0A-400 -6 -C -Z1+P HF500A -500 -6 -C+P HF500A -500 -6 -C -Z1+P	2450	2200	1300	900	400	700	100	1150
6	HF500A -315 -6 -C -Z2+P HF500A -400 -6 -C -Z2+P HF500A -500 -6 -C -Z2+P	2550	2200	1300	900	400	700	200	1150
7	HF500A -315 -6 -C -Z3+P HF500 A-400 -6 -C -Z3+P HF500A -500 -6 -C -Z3+P	2600	2200	1300	900	400	700	250	1150
8	HF500A -315 -6 -C -Z4+P HF500A -400 -6 -C -Z4+P HF500A -500 -6 -C -Z4+P	2650	2200	1300	900	400	700	300	1150

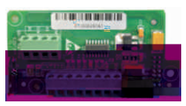
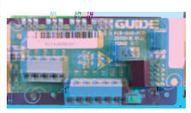
630kW 800kW 1000kW

		mm)							
		H1		W2	W 3	W4	D1	Z	
1	HF500A -630-6 -C HF500A -630-6 -C-Z1 HF500A -800-6 -C HF500A -800-6 -C-Z1	2450	2200	/	1800	900	700	100	1100

1500kW

		mm)	

4 HF500

GDHF-DP02		GDHF-DP02 Profibus HF500
GDHF-MB01		GDHF-MB01 MODBUS-RTU RS485 RS232 RS485 RS232 MODBUS-RTU HF500
GDHF-PN01		GDHF-PN01 Profinet RJ45 HF500
GDHF-CA01		GDHF-CA01 CAN-OPEN CAN2.0B HF500
GDHF-PGC1 PG		GDHF-PGC1 PG HF500 15V
GDHF-PGD1 PG		GDHF-PGD1 PG HF500 15V
GDHF-DH		GDHF-DH HF500 H