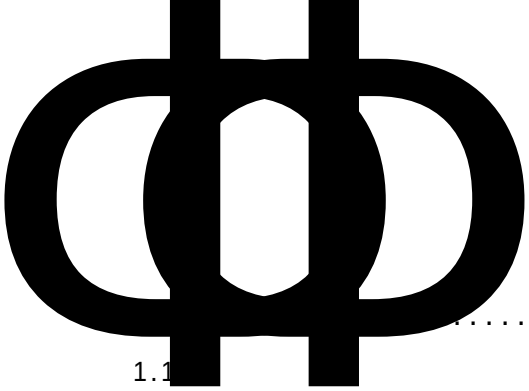
HF680N13M

690V

1.00

Wuhan Guide Technology Co.,Ltd.

HF680N



1.1

ŋ ą

1.2

(1)

(2)

(3)

(4)

LVD	2014/35/EU	EN 61800-5-1
EMC	2014/30/EU	EN 61800-3

1.3

2.1

1.
2.
3.
4.

2.2

1. / “ ”

/

2.
3.
   - U V W
   - P N
4. 12
5.

4.

2.2.1

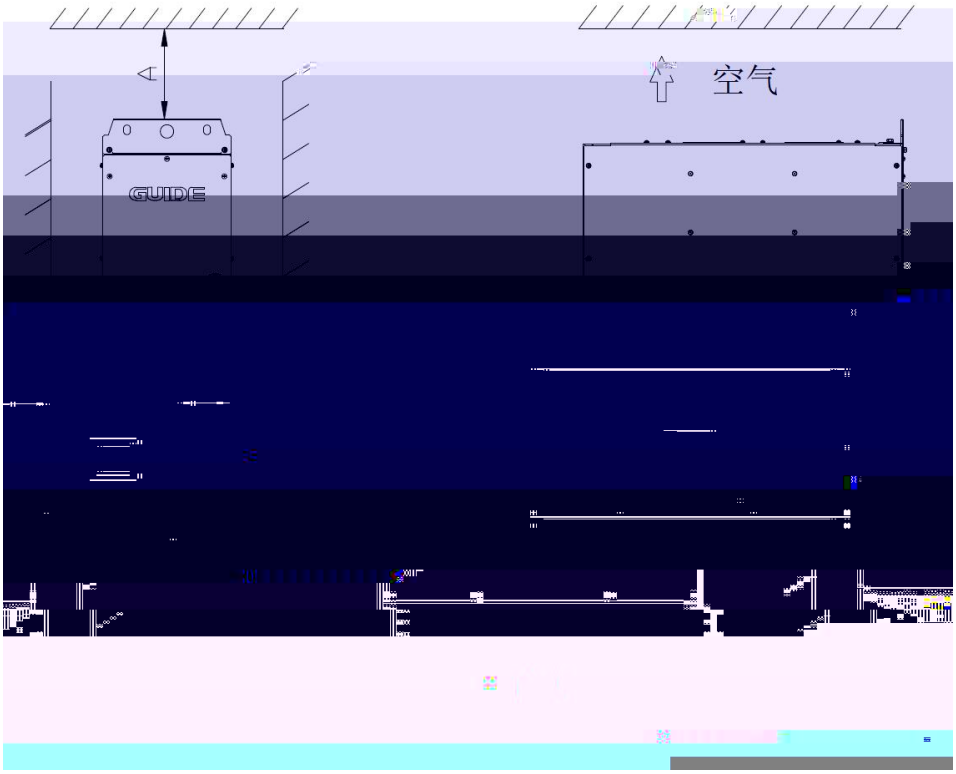
-
- 6 -20 +60
- 0% 95%
-
-
-

1 5

2.2.2

-

2.2.3



		A ≥ 200mm	B1 ≥ 50mm	B2 ≥ 50mm

2.2.4

1 1 4

2 2

EMC

4

3 1

PLC

20cm

20cm

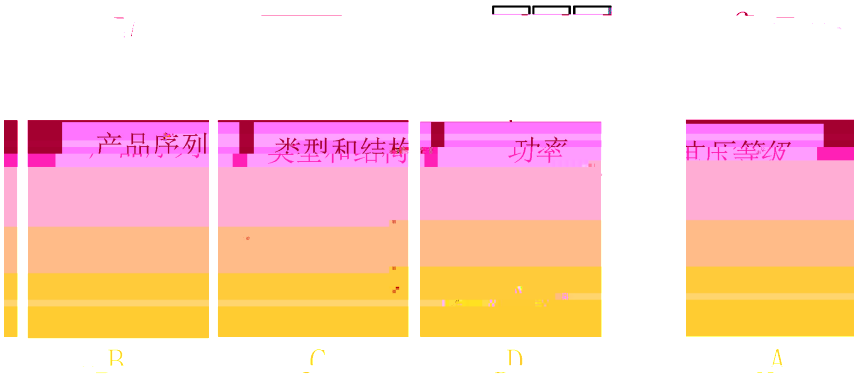
90

c

EMC

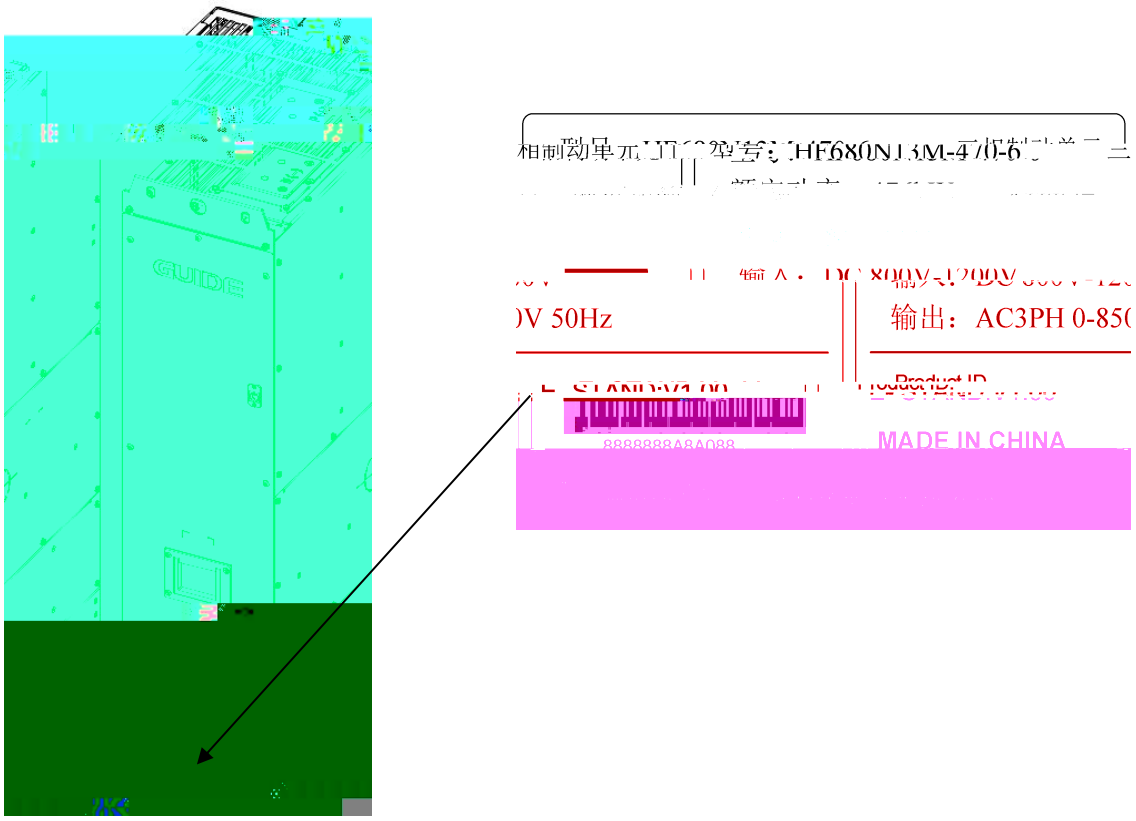
d

2.4



A	HF680N
B	13M
C	470：470kW 2000：2000kW
D	6 690V

:



HF680N13M-470-6 HF680N13M 470kW 690V

DC

AC

3PH

800V-1200V

0-850V 0-50Hz

		3 1 2 2 0 +10V 0mA/4mA 20mA
	LCD	
		1000m
		-15 +40 40 50
		95%RH
		-20 +60

2.7

		mm				mm			8.8	kg
		H1	H2	W	D	A	B1	B2		
1	B7A	979	936	240	600	936	150	150	2-M12 2-M10	100

3.1

1

2 12

3 U V W

4

5

6

7

10cm

8 0.75mm² 50m

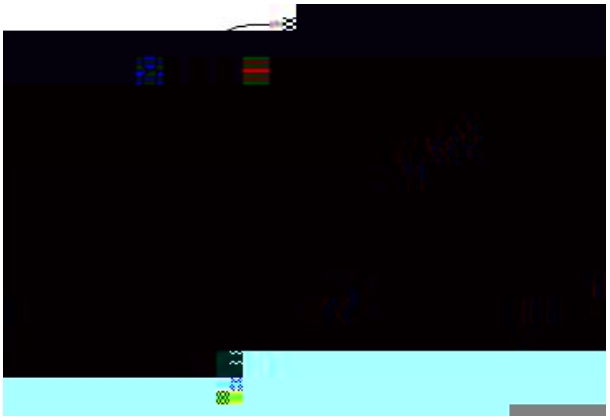
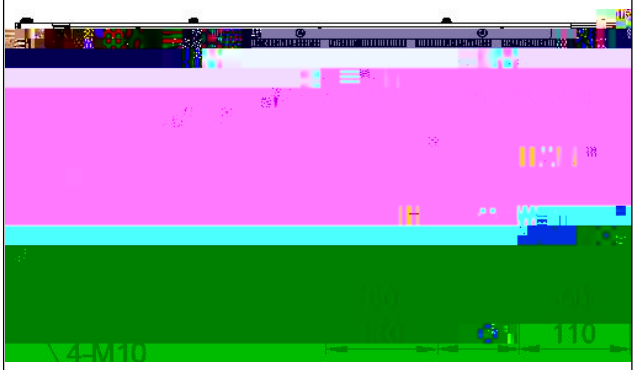
9 10cm

10

11

3.2

U V W	
P	-$#q × »!“ 1 †!Ð1!ˆ>

B7	
	

3.3

	+10V-GND	10V	+10V 50mA 1kΩ~5kΩ
	+24V-COM	24V	+24V 200mA
	PW		24V DI1~DI5 DO1 PW 24V
	AI1-GND	1	DC -10V~10V 100kΩ
	AI2-GND	2	-10VDC~10VDC/0mA~20mA J1 100kΩ 500Ω
	DI1- PW	1	3.3kΩ 9V~30V DI1-DI4 500Hz DI5 20KHz
	DI2- PW	2	
	DI3- PW	3	
	DI4- PW	4	
	DI5- PW	5	
	AO1-GND	1	J2 0V~10V 0mA~20mA
	AO2-GND	2	J8 0V~10V 0mA~20mA
	DO1-COM	1	0V~24V 0mA~50mA
	DO4A-DO4C	1	250VAC 3A COS =0.4 30VDC 1A
	DO4B-DO4C	2	
	DO5A-DO5C	3	250VAC 2A COS =0.4 30VDC 1A

	J1	AI2	
	J2	AO1	
	J8	AO2	

4.1

HF680N ќ

4.3

“ ” “ ” 2

|

	“ - ”
	:V
	A
	N|N W E

4

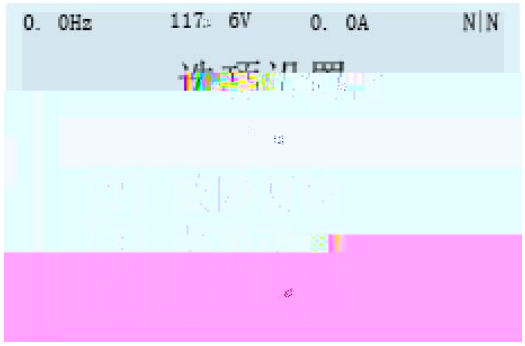
ENTER (50Hz,)

F1/F2

4.4

1	Option Set	
2	Parameter Setting	/
3	Reference Set	
4	Function Setting	
5	Fault Record	
6	Security	

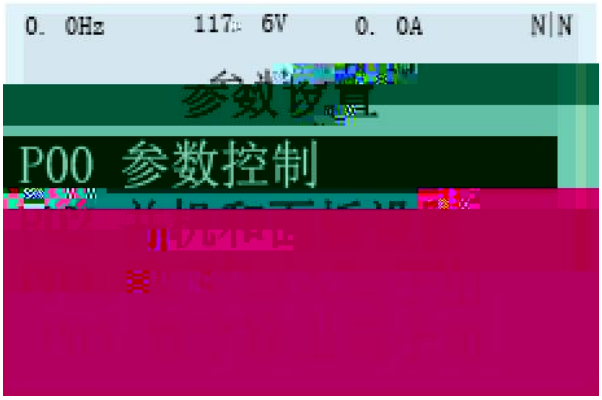
4.4.1



1 Choose Direction ,

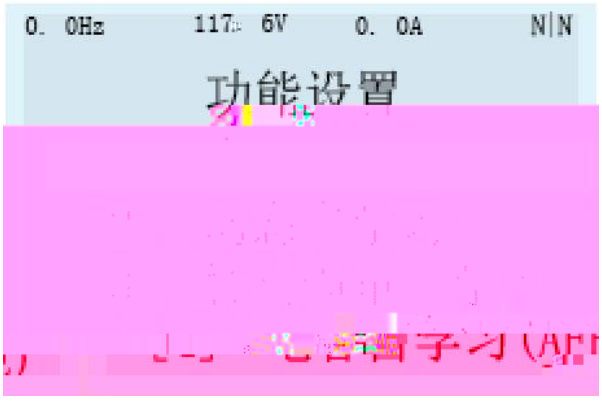
2 Reset Error

4.4.2



Parameter Setting

4.4.3



Function Setting

1 MotoTuning I

2 MotoTuning II

3 MotoTuning III

5	Shortcut Paras Setting	
6	Parameter Initialization	
7	Delete Fault Records	
8	System Restart	
9	Backup Parameter	
10	Recover Parameter	
11	Compare Parameter	
12	Backup Para DSP DSP	DSP
13	Restore Para DSP DSP	DSP

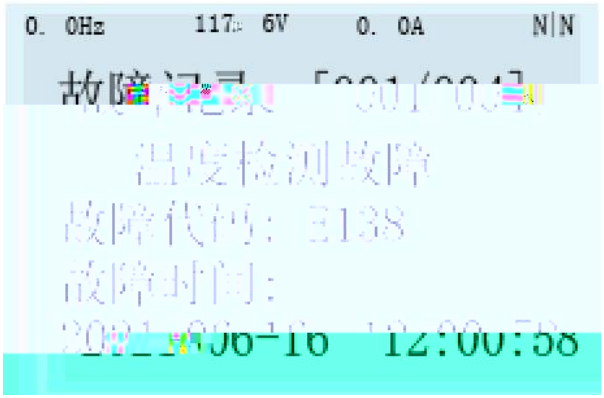
1

2

5

▼ ▲ “ Enter ”

4.4.4

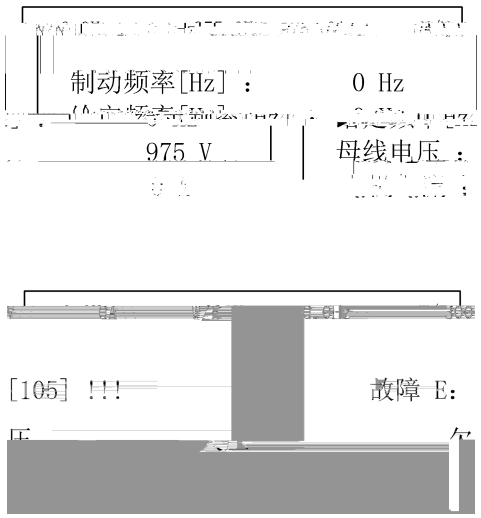


Fault Record

4.4.6

Access Permissions

5.2.2



5.2.3

6.7

P8.0		[0] [1] [3]MODBUS [5]	5
P8.10		[0] [1] 1 [2] 2	0
P07.65		-25~150V	0
P07.66		-25~150V	100

5.2.4

STOP

1

2 LOC/REM LOCAL LOCAL

3 P07.59=1

4 RUN RUN

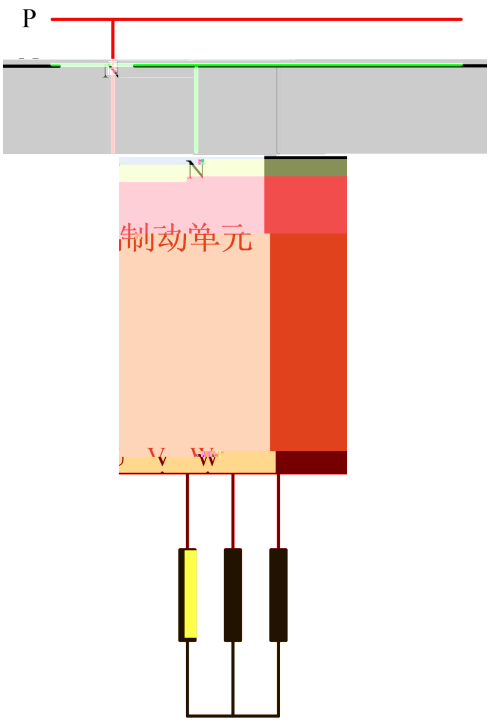
5 1.075*1.414*P16.0+40

6

7 STOP

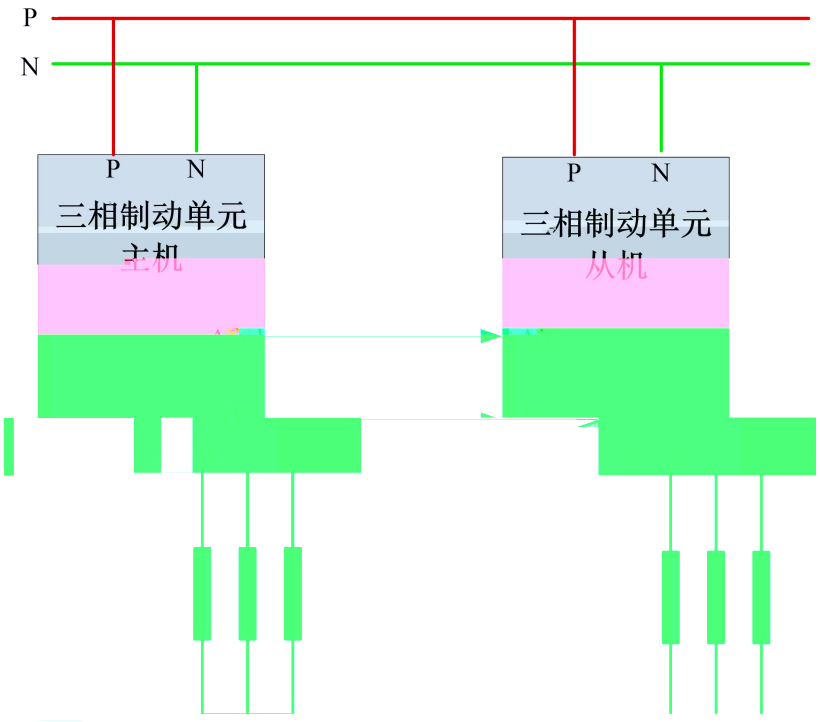
5.3

5.3.1



P08.00		5
P08.10		0
P07.65		0V
P07.66		100V

5.3.2



AO1 AI1 DO4 DI1

1(AO1

COM) 1 (AI1+ AI1-)

J9 1 J10 2

a.

b.

P06.00	A01	10
P06.02	A01	0.0
P06.03	A01	100.0
P06.08	A01	5.0
P04.03	4	1
P08.00		5
P08.10		0
P07.65		0V
P07.66		100V

P5.0	AI1	0~20mA
P5.1	AI1	20ms
P5.3	AI1	
P5.6	AI1	0
P5.9	AI1	100
P3.1	1	1
P08.00		0 Ö

15	.NC	

6.3 P4

P4.0	1		0 64	0	
P4.1	2		0 64	0	
P4.2	3		0 64	0	
P4.3	4		0 64	0	
P4.4	5		0 64	0	

0

1

2 ON

4

5

12

P5.3	AI1	AI1	-20.00 20.00 [mA]	0.000 [mA]	7.4
P5.4	AI1	AI1	-10.00 10.00 [V]	0.000 [V]	7.4
P5.5	AI1	AI1	0.00 20.00 [mA]	0.000 [mA]	7.4
P5.6	AI1	AI1	-300.0 300.0 [%]	0.0 [%]	7.4
P5.7	AI1	AI1	-10.00 10.00 [V]	10.000 [V]	7.4
P5.8	AI1	AI1	0.00 20.00 [mA]	20.000 [mA]	7.4
P5.9	AI1	AI1	-300.0 300.0 [%]	100.0 [%]	7.4
P5.18	AI2	[0] [1]0 +10V [2]-10 +10V [3]0 20mA	0 3	3	
P5.19	AI2	AI2	0.0 1000.0 [ms]	25.0 [ms]	
P5.20	AI2	AI2	-10.00 10.00 [V]	0.000 [V]	
P5.21	AI2	AI2	-20.00 20.00 [mA]	0.000 [mA]	
P5.22	AI2	AI2	-10.00 10.00 [V]	0.000 [V]	
P5.23	AI2	AI2	0.00 20.00 [mA]	0.000 [mA]	
P5.24	AI2	AI2	-300.0 300.0 [%]	0.0 [%]	
P5.25	AI2	AI2	-10.00 10.00 [V]	10.000 [V]	
P5.26	AI2	AI2	0.00 20.00 [mA]	20.000 [mA]	

P5.27	AI2	AI2	-300.0 300.0 [%]	100.0 [%]	

6.5 P6

P6.0	AO1		7-1		0 14	2	
P6.2	AO1		AO1		-300.0 300.0 [%]	0.0 [%]	7.2
P6.3	AO1		AO1		-300.0 300.0 [%]	100.0 [%]	7.2
P6.4	AO1	[mA V]	AO1		0.0 100.0 [%]	0.0 [%]	7.2
P6.5	AO1	[mA V]	AO1		0.0 100.0 [%]	100.0 [%]	7.2
P6.6	AO1		AO1		-100.00 100.00 [%]	0.00 [%]	
P6.7	AO1		AO1 [13]	(P6.0) AO1	0.0 100.0 [%]	0.0 [%]	
P6.8	AO1				0.0 1000.0 [ms]	10.0 [ms]	

P6.14 -2

[13]) [%] [%]

AO1

o ¡ ǖ ε

P6.22 AO2

			[%]	[%]	
P7.49	1	1	0.00 60.00 [s]	60.00 [s]	7.3
P7.50	2	2	0.0 300.0 [%]	200.0 [%]	7.3
P7.51	2	2	0.00 5.00 [s]	5.00 [s]	7.3
P7.59		[0] [1]	0 1	1	
P7.60			0.10 3.00 [s]	0.30 [s]	
P7.60			0.10 3.00 [s]	0.30 [s]	
P7.65			-25~150V	0V	
P7.66			-25~150V	85V	

6.7 P8

P8.0		[0] [1] [2] [3]MODBUS [4] [5]	0 5	5	7.3
P8.3		[1]	0 1	1	7.3
P8.10		[0] [1] 1 [2] 2 [3] [4] [5] [6]	0 6	0	7.3

6.8 P16

P16.0			320 760 [V]	690 [V]	7.8

P16.3			320 850 [V]	810[V]	7.8
P16.4			0.0 3000.0 [A]	[A]	7.8
P16.11		[0]	0	0	7.8

7.5

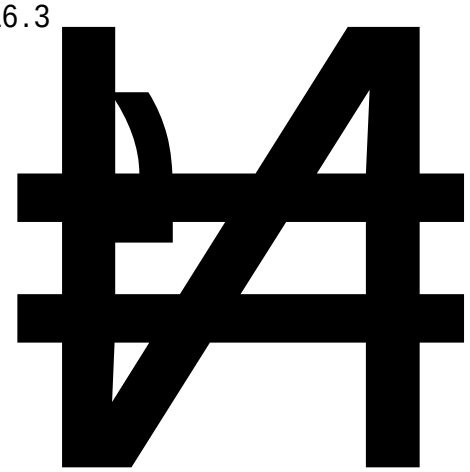
1

P16.0

2

P16.3 850V ; 810V,

3



8.2

U

[E050] ERR_UT pon M, b

ERR_T

D

[E137] FAN STA

[E138] TEMP_SENSING FAIL

[E152] U IGBT IGBT
PDP [UB] IGBT

[E154] V IGBT IGBT
PDP[VB] IGBT

[E155] W IGBT IGBT
PDP [WT]

9.2

1.
2.

1.
2.

1.
2.
3.

1.
2.

1. > 40
   < 95%
2.

1.
2.

1.
2.
3.

1.
2.

9.4

5

5

(400-0077-570)

1 40

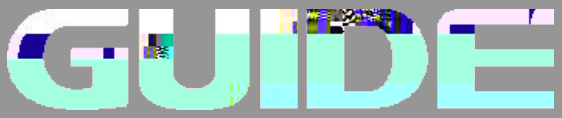
2 80%

3 24 /

HF680N13M

690V

1.00



1

2

3

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6

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