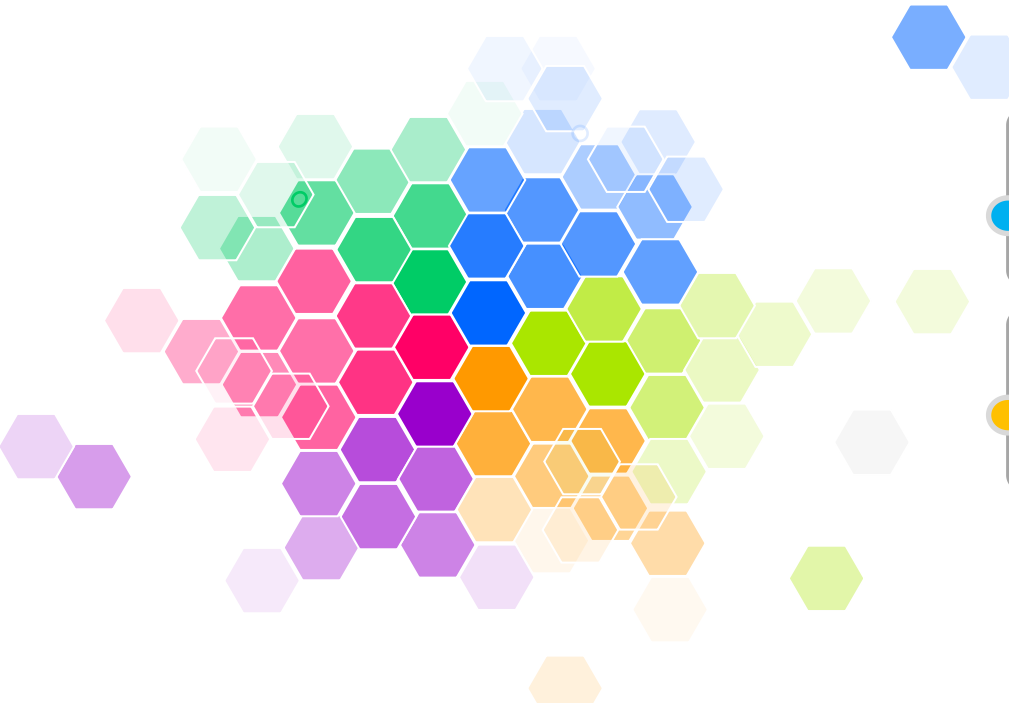


6SE70 Replacement

目录 Content

A decorative graphic on the left side of the slide consisting of a cluster of hexagons in various colors (blue, green, pink, orange, purple, yellow) arranged in a roughly circular shape, with some hexagons floating separately around it.

Structure comparison

Replace 6SE70 with MD880

Part 1 Structure comparison

Dimension comparison



Siemens booksize 6SE70



Inovance MD880

Part 1 Structure comparison

parameters (400V system)					
Model	Rated power (kw)	Rated current (A)	Dimension W×H×D (mm)	Frame code	Note
Siemens 6SE70	2.2~4	6.1~10.2	90×425×350	A	
Inovance MD880	3.7	9	100×413×415	H1	Our inverter wider and deeper
Siemens 6SE70	5.5~7.5	13.2~17.5	135×425×350	B	
Inovance MD880	5.5~7.5	13~17	100×413×415	H1	Our inverter wider
Siemens 6SE70	11	25.5	180×600×350	C	
Inovance MD880	11	23	100×413×415	H1	Our inverter wider
Siemens 6SE70	15	33	180×600×350	C	
Inovance MD880	15	34	100×413×415	H2	Our inverter wider
Siemens 6SE70	18.5~22	37.5~47	270×600×350	D	
Inovance MD880	18.5~22	38~48	100×413×415	H2	Our inverter wider
Siemens 6SE70	30~37	59~72	270×600×350	D	
Inovance MD880	30~37	60~78	100×413×415	H2&H3	Our inverter wider
Siemens 6SE70	45	59~92	270×1050×365	E	
Inovance MD880	45	60~94	100×413×415	H3	Our inverter wider
Siemens 6SE70	55~90	124~186	360×1050×365	F	
Inovance MD880	55~90	116~183	200×413×415	H4	Our inverter wider
Conclusion: Inovance MD880 inverter 3.7KW machine is wider and deeper than Siemens, other power range deeper, narrower and shorter					

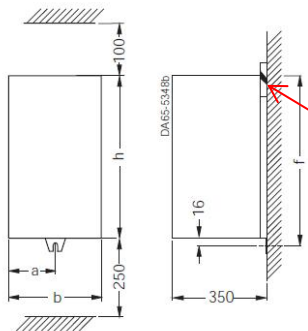
Note: seamlessly replace Siemens 6SE70 G/J/K/L with MD880 frame available

Part 2 Replace 6SE70 with MD880

1. Replace 6SE70(2.2-22KW:SIZE A-SIZE D) with MD880



书本型和装机装柜型装置



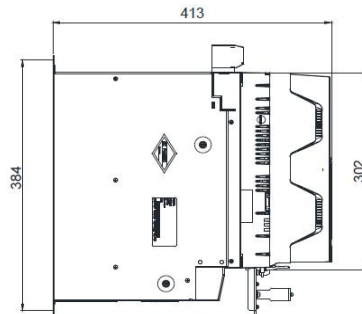
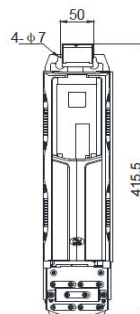
DA65-534.8b

SIZE:A-D snap installation above

图 6

规格 A、B、C 和 D 的变频器、逆变器、AFE 变流器，
规格 B 和 C 的整流单元；规格 C 的整流/回馈单元

型 号	a	b	f	h
6SE70...A	45	90	425	425
6SE70...B	67.5	135	425	425
6SE70...C	90	180	600	600
6SE70...D	45 ¹⁾	270	600	600



6SE70(2.2-22KW:SIZE A-SIZE D) dimension

— 5 —

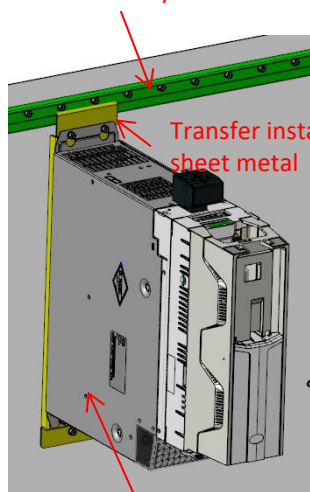
MD880(2.2-22KW:H1-H2) dimension
built-in PAD unit

Part 2 Replace 6SE70 with MD880

2. Replace 6SE70(2.2-75KW:SIZE A-B) with MD880 (seamless replacement)

Since MD880 H < 6SE70, we transfer installing sheet metal (consistent with Siemens mounting hole), install MD880 module on it for quick replacement

Siemens: slidaway above

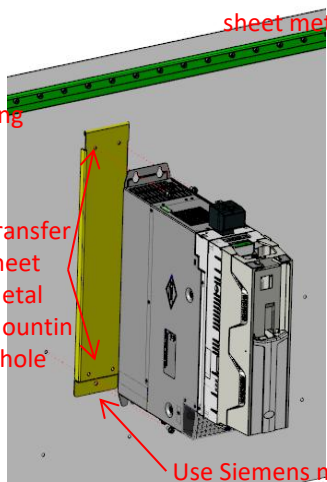


Schematic diagram

Transfer installing sheet metal

MD880 inverter (built-in buffer)

Transfer sheet metal mounting hole



Disassembly diagram

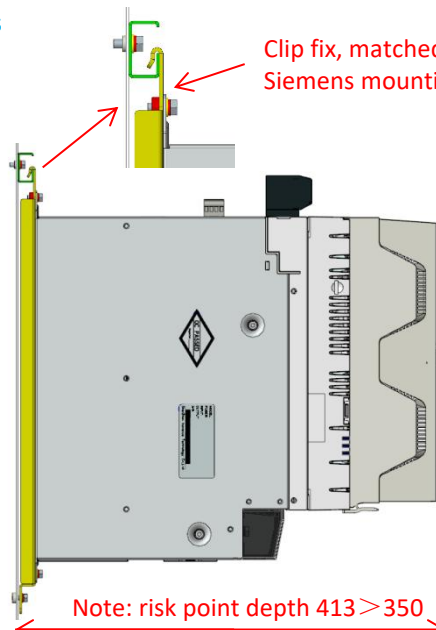
clip fix above the transfer installing sheet metal

Use Siemens modules mounting hole above transfer sheet metal



Front view

Transfer sheet metal is consistent with Siemens module



Side view

Note: risk point depth 413 > 350 (Siemens)

Clip fix, matched with Siemens mounting rail



Siemens fix method of hook



Siemens modules layout

Part 2 Replace 6SE70 with MD880

3. Replace 6SE70(11-22KW:SIZE C) with MD880 (seamless replacement)



书本型和装机装柜型装置

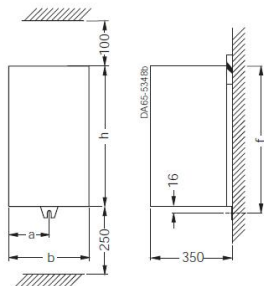
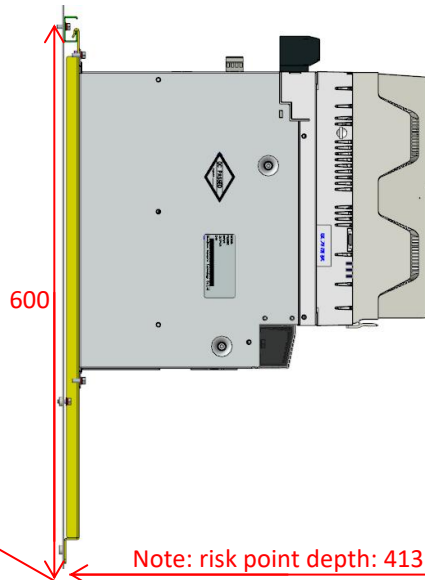


图 6

规格 A、B、C 和 D 的变频器、逆变器、AFE 变流器，
规格 B 和 C 的整流单元；规格 C 的整流/回馈单元

型 号	a	b	f	h
6SE70...A	45	90	425	425
6SE70...B	67.5	135	425	425
6SE70...C	90	180	600	600
6SE70...D	45 ¹⁾	270	600	600

Replace with
MD880 →



Note: risk point depth: 413 > 350
(siemens)

MD880 power part installation
same with Siemens frame A-B

Transfer sheet metal is
consistent with siemens
module mounting hole

Part 2 Replace 6SE70 with MD880

4. Replace 6SE70(30-37KW:SIZE D)with MD880(plan A (buffer directly fixed on cabinet backplane, drilling needed))



书本型和装机装柜型装置

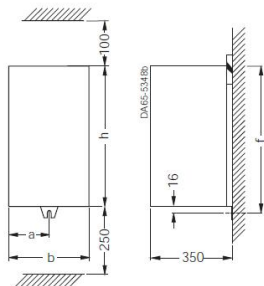
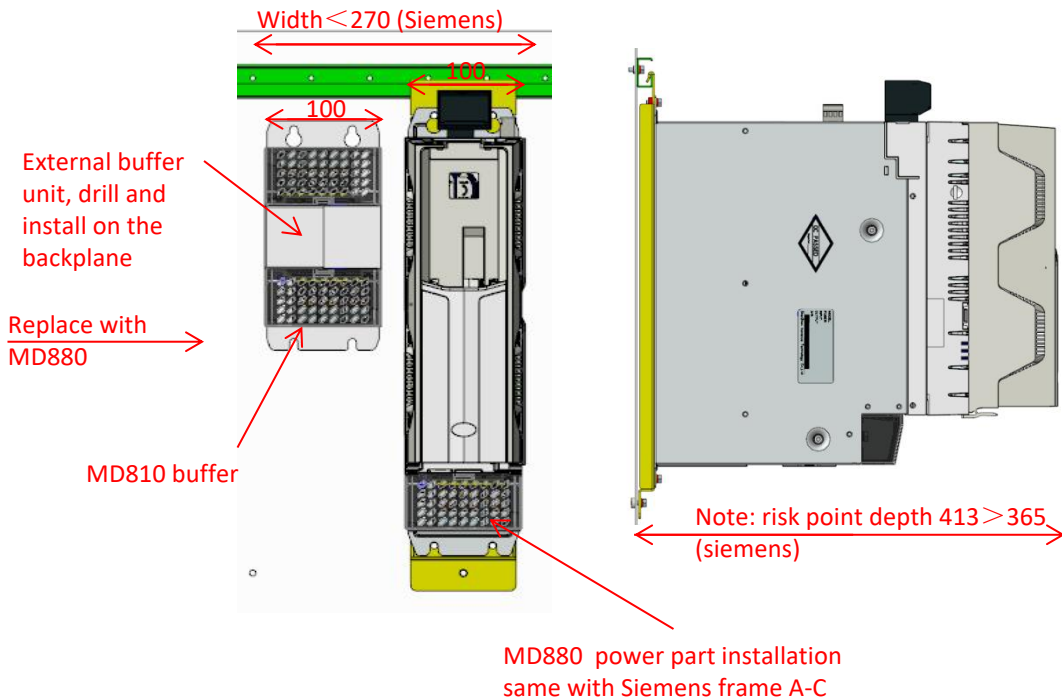


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规格 B 和 C 的整流单元；规格 C 的整流/回馈单元

型 号	a	b	f	h
6SE70...A	45	90	425	425
6SE70...B	67.5	135	425	425
6SE70...C	90	180	600	600
6SE70...D	45 ¹⁾	270	600	600



Part 2 Replace 6SE70 with MD880

5. Replace 6SE70(30-37KW:SIZE D) with MD880 (plan B (seamless replacement))



书本型和装机装柜型装置

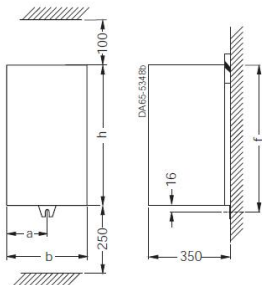
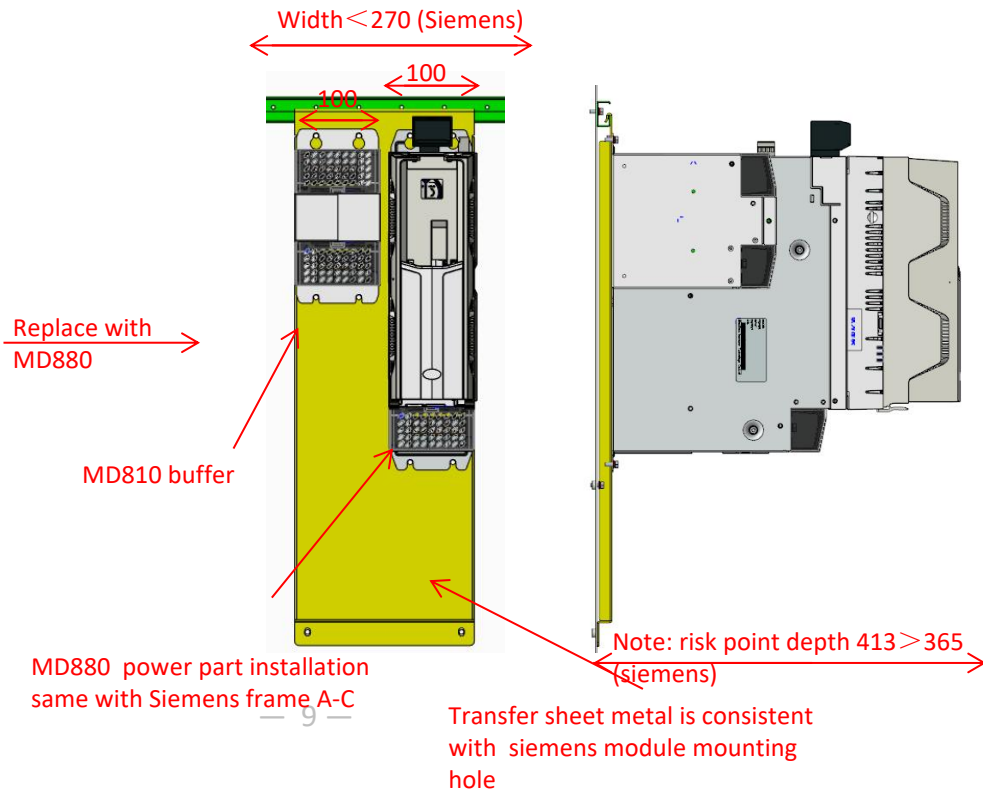


图 6

规格 A、B、C 和 D 的变频器、逆变器、AFE 变流器，
规格 B 和 C 的整流单元；规格 C 的整流/回馈单元

型 号	a	b	f	h
6SE70...A	45	90	425	425
6SE70...B	67.5	135	425	425
6SE70...C	90	180	600	600
6SE70...D	45 ¹⁾	270	600	600



Part 2 Replace 6SE70 with MD880

6.Replace 6SE70(45KW:SIZE E) with MD880 (directly fixed on cabinet backplane, drilling needed)

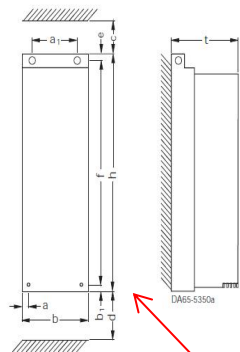
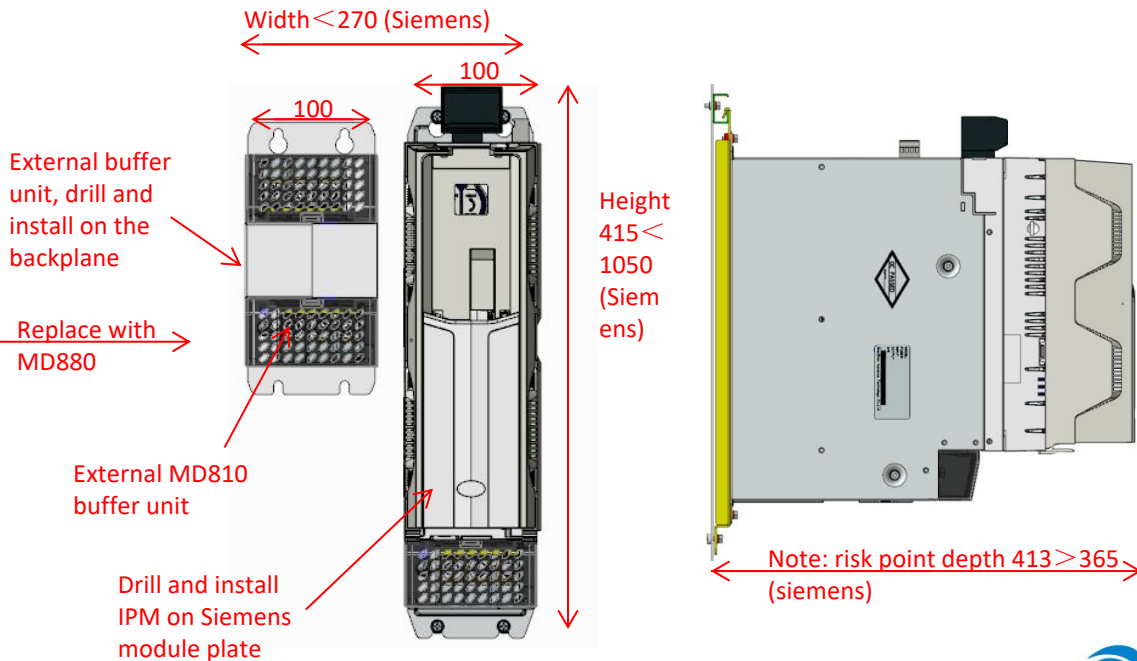


图 8

规格 E、F 和 G 的变频器、逆变器、AFE 变流器

mounting hole installation

型 号	a	a ₁	b	b ₁	c	d	e	f	h	t
变频器/逆变器										
6SE70...-E	45	180	270	10	350	400	15	1025	1050	365
6SE70...-F	45	270	360	10	350	400	15	1025	1050	365
6SE70...-G	119	270	508	25	350	320	50	1375	1450	465



Part 2 Replace 6SE70 with MD880

7. Replace 6SE70(45KW:SIZE E) with MD880 (seamless replacement)

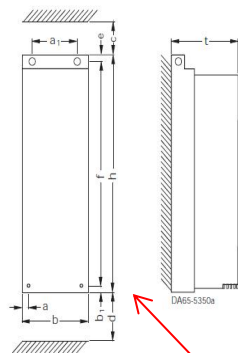


图 8

规格 E、F 和 G 的变频器、
逆变器、AFE 变流器

mounting hole
installation

型 号	a	a ₁	b	b ₁	c	d	e	f	h	t
变频器/逆变器										
6SE70...E	45	180	270	10	350	400	15	1025	1050	365
6SE70...F	45	270	360	10	350	400	15	1025	1050	365
6SE70...G	119	270	508	25	350	320	50	1375	1450	465

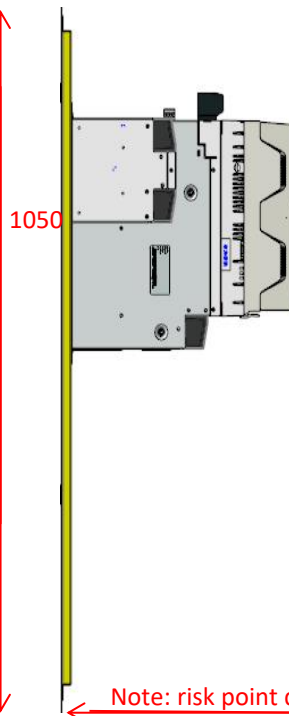
Width < 270 (Siemens)

Replace with
MD880

External MD810
buffer unit

IPM on Siemens
module board

Transfer sheet metal is consistent with
siemens module mounting hole



Note: risk point depth 413 > 365
(siemens)

Part 2 Replace 6SE70 with MD880

8. Replace 6SE70(45KW:SIZE F) with MD880 (directly fixed on cabinet backplane, drilling needed)

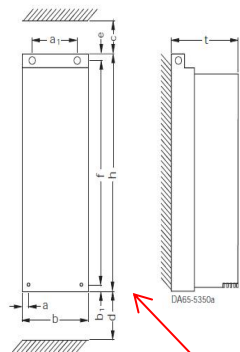


图 8

规格 E、F 和 G 的变频器、
逆变器、AFE 变流器

mounting hole
installation

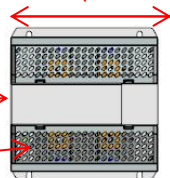
型 号	a	a ₁	b	b ₁	c	d	e	f	h	t
变频器/逆变器										
6SE70...E	45	180	270	10	350	400	15	1025	1050	365
6SE70...F	45	270	360	10	350	400	15	1025	1050	365
6SE70...G	119	270	508	25	350	320	50	1375	1450	465

W=200 < 270 (Siemens)
External buffer unit, drill and install on the backplane

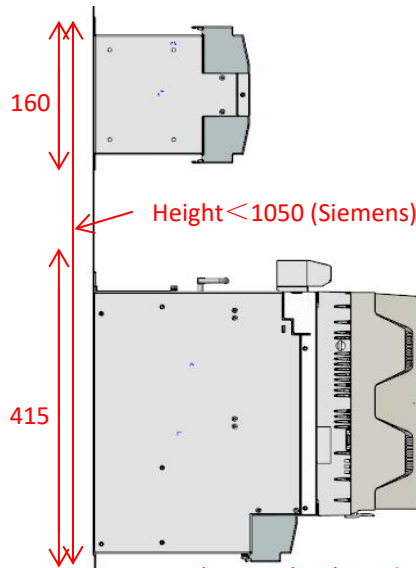
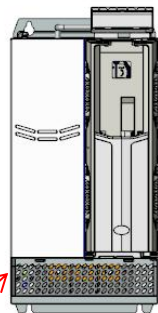
External MD810 buffer unit

Replace with MD880

Transfer sheet metal is consistent with siemens module mounting hole



200



Note: risk point depth 413 > 365 (Siemens)

Part 2 Replace 6SE70 with MD880

8. Replace 6SE70(45KW:SIZE F)with MD880 (seamless replacement)

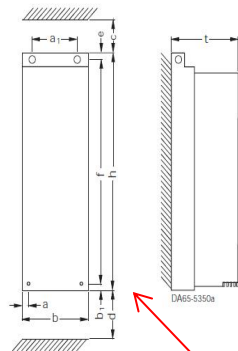
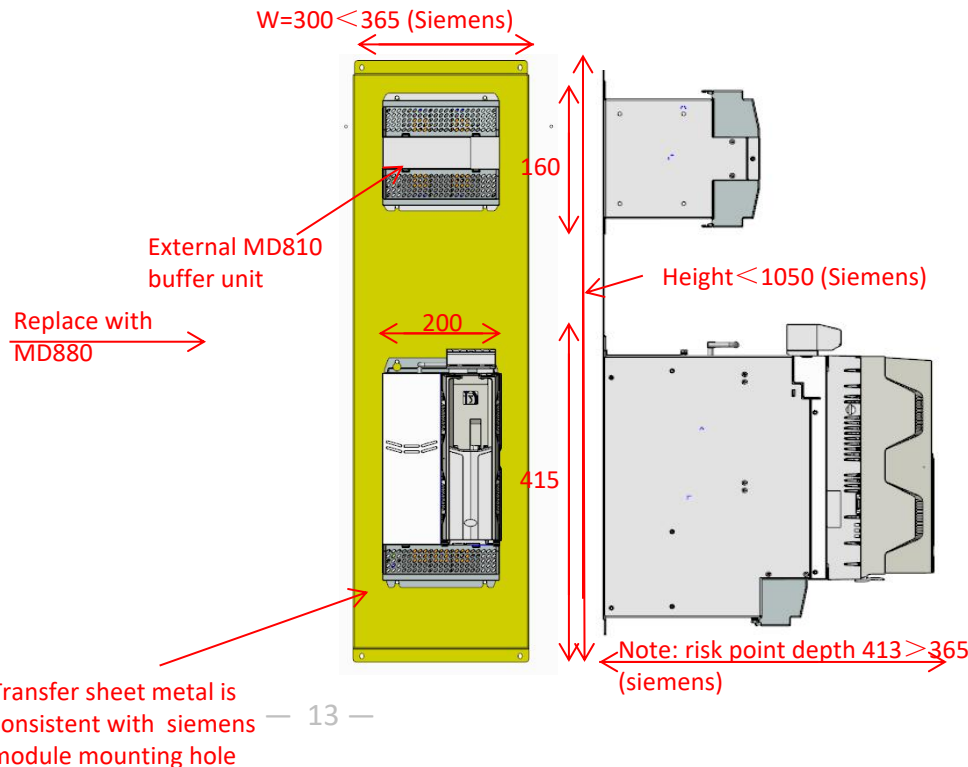


图 8

规格 E、F 和 G 的变频器、
逆变器、AFE 变流器

mounting hole
installation

型 号	a	a ₁	b	b ₁	c	d	e	f	h	t
变频器/逆变器										
6SE70...E	45	180	270	10	350	400	15	1025	1050	365
6SE70...F	45	270	360	10	350	400	15	1025	1050	365
6SE70...G	119	270	508	25	350	320	50	1375	1450	465





进取 · 永不止步

Forward, Always Progressing!

