

### FR-HEL Series General-Purpose Inverter Options Certified as Complying with the UL/CE/EAC/UKCA Standards

Thank you for your continued patronage of Mitsubishi Electric drive control products. The FR-HEL series general-purpose inverter options will be compliant with the UL/CE/EAC/UKCA standards, and their appearances will be changed.

#### 1. Products Affected

FR-HEL-0.4K to 55K, FR-HEL-H0.4K to H55K

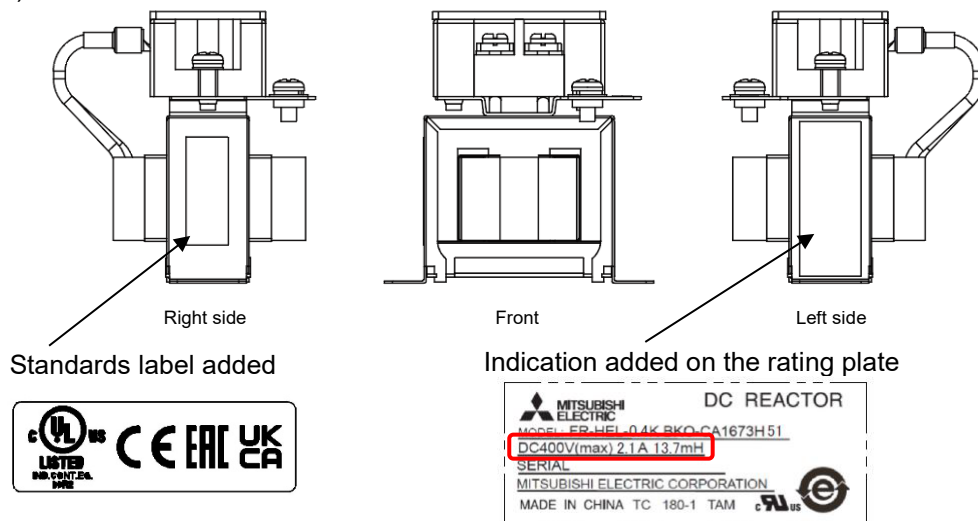
#### 2. Details of Change

The FR-HEL-0.4K to 55K and the FR-HEL-H0.4K to H55K will be compliant with the UL/CE/EAC/UKCA standards. Due to this, the standards label will be added, the indications on the rating plate will be changed, the EAC mark will be added on the packaging plate, and the appearance will be changed (including addition of the dedicated earth (ground) terminal and change of the terminal block).

##### (1) Addition of the standards label and change of the indications on the rating plate

As shown below, the standards label with the UL/CE/EAC/UKCA marks will be attached to the product, and the indication enclosed in red will be added on the rating plate.

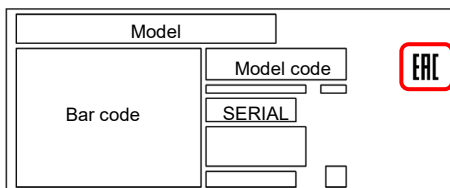
(Example) FR-HEL-0.4K



The positions of the standards label and the rating plate differ depending on the capacity.

##### (2) Addition of the EAC mark on the packaging plate

The EAC mark will be added on the packaging plate (enclosed in red).



<b>Date of issue</b>	Published in June 2021 Revised in June 2022	<b>Title</b> FR-HEL Series General-Purpose Inverter Options Certified as Complying with the UL/CE/EAC/UKCA Standards	Mitsubishi Electric Corp., Nagoya Works 5-1-14 Yada-minami, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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(3) Change of outline dimensions

The outline dimensions will be changed as follows. The note is described on the last page.

Before	After																																																																						
<p>• <b>FR-HEL-0.4K to 2.2K</b></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>W</th> <th>W1</th> <th>H</th> <th>D</th> <th>D1</th> <th>Mass (kg)</th> </tr> </thead> <tbody> <tr> <td>0.4K</td> <td>70</td> <td>60</td> <td>71</td> <td>61</td> <td>21</td> <td>0.4</td> </tr> <tr> <td>0.75K</td> <td>85</td> <td>74</td> <td>81</td> <td>61</td> <td>21</td> <td>0.5</td> </tr> <tr> <td>1.5K</td> <td>85</td> <td>74</td> <td>81</td> <td>70</td> <td>30</td> <td>0.8</td> </tr> <tr> <td>2.2K</td> <td>85</td> <td>74</td> <td>81</td> <td>70</td> <td>30</td> <td>0.9</td> </tr> </tbody> </table>	Model	W	W1	H	D	D1	Mass (kg)	0.4K	70	60	71	61	21	0.4	0.75K	85	74	81	61	21	0.5	1.5K	85	74	81	70	30	0.8	2.2K	85	74	81	70	30	0.9	<table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>W</th> <th>W1</th> <th>H</th> <th>D</th> <th>D1</th> <th>Mass (kg)</th> </tr> </thead> <tbody> <tr> <td>0.4K</td> <td>70</td> <td>60</td> <td>71</td> <td>61</td> <td>28</td> <td>0.34</td> </tr> <tr> <td>0.75K</td> <td>85</td> <td>74</td> <td>81</td> <td>61</td> <td>28</td> <td>0.5</td> </tr> <tr> <td>1.5K</td> <td>85</td> <td>74</td> <td>81</td> <td>70</td> <td>33</td> <td>0.7</td> </tr> <tr> <td>2.2K</td> <td>85</td> <td>74</td> <td>81</td> <td>70</td> <td>33</td> <td>0.8</td> </tr> </tbody> </table> <p style="text-align: center; border: 1px solid black; padding: 5px; margin-top: 10px;">The D1 dimension and the mass will be changed as shown in the tables above.</p>	Model	W	W1	H	D	D1	Mass (kg)	0.4K	70	60	71	61	28	0.34	0.75K	85	74	81	61	28	0.5	1.5K	85	74	81	70	33	0.7	2.2K	85	74	81	70	33	0.8
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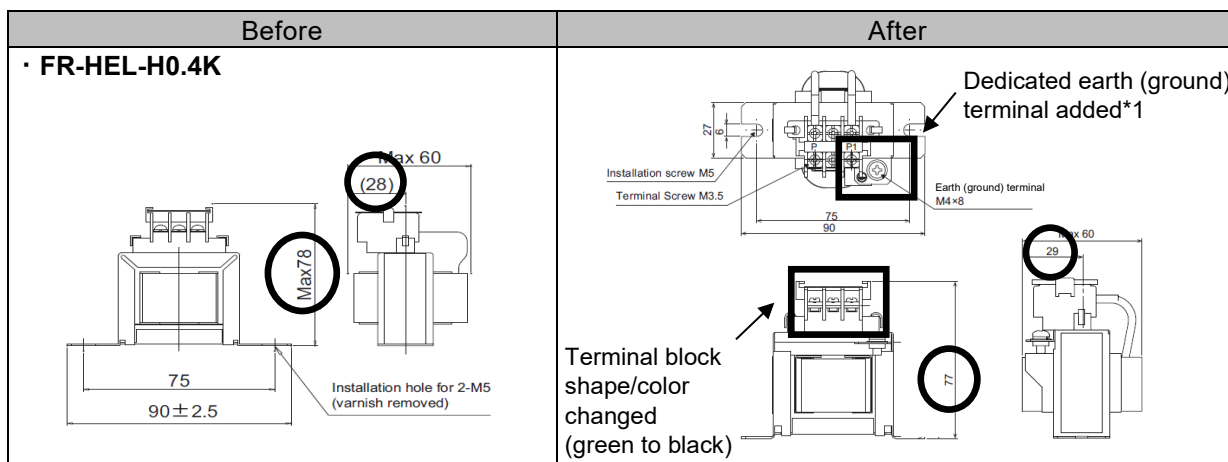
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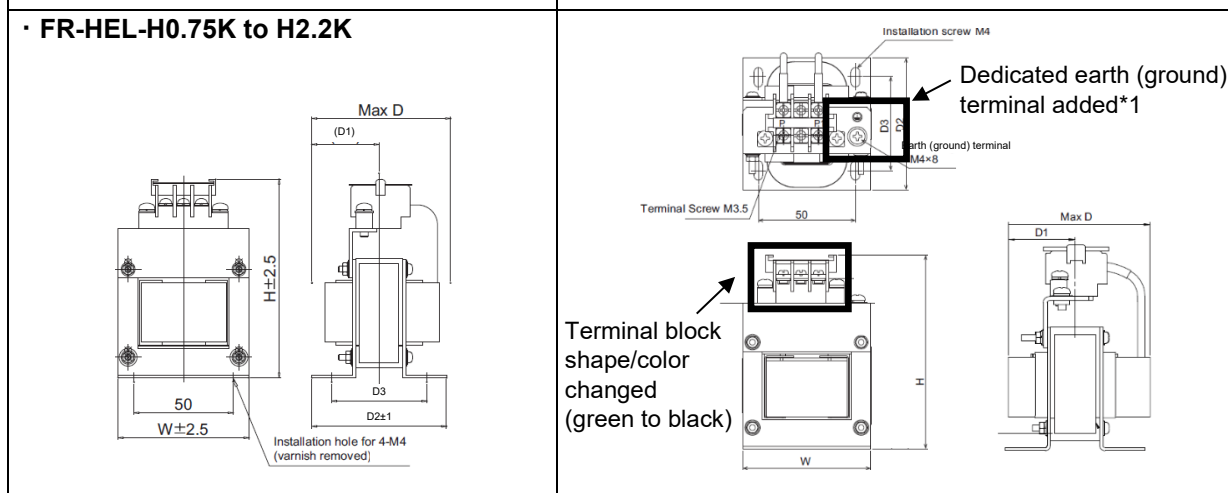
<p>• <b>FR-HEL-11K, 15K</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>H</th> <th>D</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>Mass (kg)</th> </tr> </thead> <tbody> <tr> <td>11K</td> <td>133</td> <td>112</td> <td>47</td> <td>92</td> <td>79</td> <td>3.3</td> </tr> <tr> <td>15K</td> <td>133</td> <td>115</td> <td>48.5</td> <td>97</td> <td>84</td> <td>4.1</td> </tr> </tbody> </table>	Model	H	D	D1	D2	D3	Mass (kg)	11K	133	112	47	92	79	3.3	15K	133	115	48.5	97	84	4.1	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>H</th> <th>D</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>Mass (kg)</th> </tr> </thead> <tbody> <tr> <td>11K</td> <td>138</td> <td>112</td> <td>47</td> <td>92</td> <td>78</td> <td>3.1</td> </tr> <tr> <td>15K</td> <td>142</td> <td>115</td> <td>49</td> <td>97</td> <td>83</td> <td>3.8</td> </tr> </tbody> </table>	Model	H	D	D1	D2	D3	Mass (kg)	11K	138	112	47	92	78	3.1	15K	142	115	49	97	83	3.8
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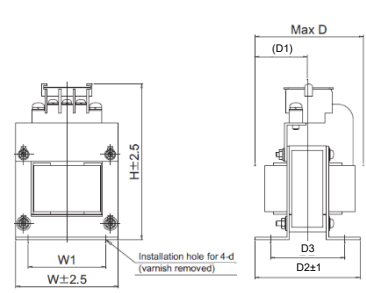
Model	W	H	D	D1	D2	D3	Mass (kg)
H0.75K	66	100	70	34	68	48	0.8
H1.5K	66	100	80	37	74	54	1.0
H2.2K	76	110	80	37	74	54	1.3

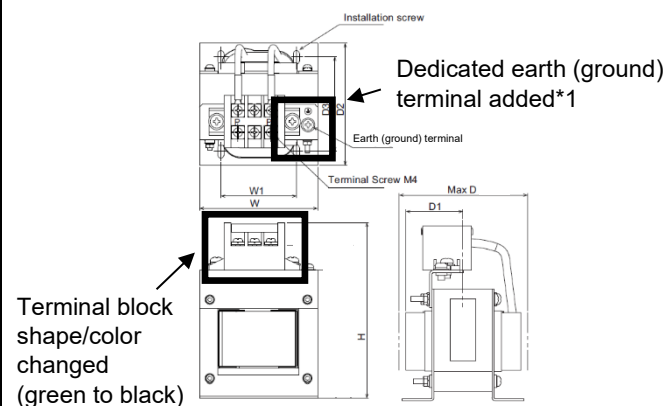
Model	W	H	D	D1	D2	D3	Mass (kg)
H0.75K	66	100	70	33	68	48	0.85
H1.5K	66	100	80	36	74	54	1.0
H2.2K	76	110	80	38	74	54	1.3

The D1 dimension and the mass will be changed as shown in the tables above.

**Before** **After**

• **FR-HEL-H3.7K to H7.5K**

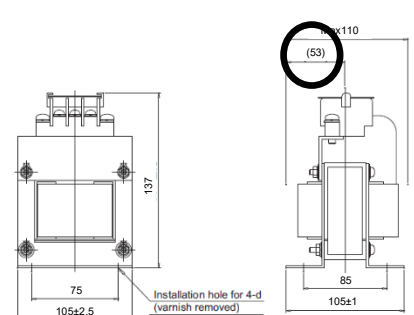


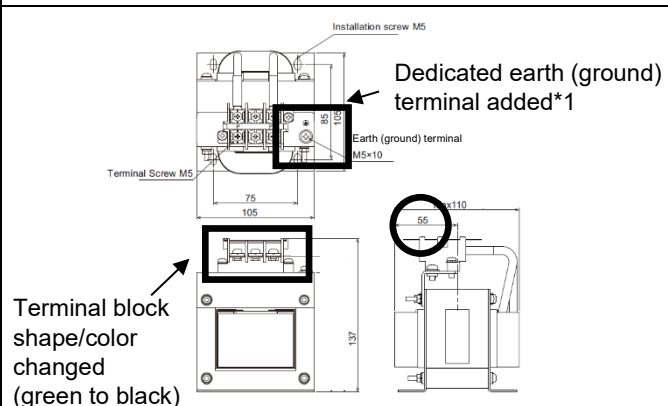


Model	W	W1	H	D	D1	D2	D3	Mass (kg)
H3.7K	86	55	120	95	45	89	69	2.3
H5.5K	96	60	128	100	48	95	75	3.0
H7.5K	96	60	128	105	50	100	80	3.5

The H and D1 dimensions will be changed as shown in the tables above.

• **FR-HEL-H11K**





The dimension in the black circle will be changed.

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Model	W	W1	H	D	D1	D2	D3	Mass (kg)																																																																																																																																									
H15K	105	75	152	125	62	115	95	5.0																																																																																																																																									
H18.5K	114	75	162	120	58	100	80	5.0																																																																																																																																									
H22K	133	90	178	120	53	95	75	6.0																																																																																																																																									
H30K	133	90	178	120	56	100	80	6.5																																																																																																																																									
H37K	133	90	187	155	83	120	100	8.5																																																																																																																																									
H45K	133	90	187	170	88	130	110	10.0																																																																																																																																									
H55K	152	105	206	170	89	126	106	11.5																																																																																																																																									
Model	W	W1	H	D	D1	D2	D3	Mass (kg)																																																																																																																																									
H15K	105	75	152	125	57	115	95	5.0																																																																																																																																									
H18.5K	114	75	162	120	55	100	80	5.0																																																																																																																																									
H22K	133	90	180	120	55	95	75	6.0																																																																																																																																									
H30K	133	90	180	120	58	100	80	6.5																																																																																																																																									
H37K	133	90	184	155	70	120	100	8.5																																																																																																																																									
H45K	133	90	184	170	71	130	110	10.0																																																																																																																																									
H55K	152	105	203	170	65	126	106	11.5																																																																																																																																									
<p>The H and D1 dimensions will be changed as shown in the tables above.</p>																																																																																																																																																	

\*1 Instead of using the dedicated earth (ground) terminal, the product can be earthed (grounded) using the installation hole where varnish is removed in the same way as before. (The performance remains the same as before.)

To comply with the UL, CE, EAC, and UKCA standards, use the dedicated earth (ground) terminal.

### 3. Date of Change

The change will be sequentially applied to the products manufactured in July 2021 or later.

### 4. Product Identification

The product can be identified by the presence/absence of the EAC mark on the packaging plate and the UL, CE, EAC, and UKCA marks on the standards label.