

# Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD002EL11A</b>

Apparent output power	<b>0.6</b>	kVA
Rated output current	<b>1.6</b>	A
Rated power output	<b>0.2</b>	kW
Rated supply voltage	<b>100-120</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>5</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>15.7</b>	<b>2.6</b>
50	100	<b>14.9</b>	<b>2.4</b>
0	100	<b>14</b>	<b>2.3</b>
90	50	<b>13.6</b>	<b>2.2</b>
50	50	<b>13.2</b>	<b>2.2</b>
0	50	<b>12.7</b>	<b>2.1</b>
50	25	<b>12.9</b>	<b>2.1</b>
0	25	<b>12.6</b>	<b>2.1</b>

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IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD004EL11A</b>

Apparent output power	<b>1</b>	kVA
Rated output current	<b>2.5</b>	A
Rated power output	<b>0.4</b>	kW
Rated supply voltage	<b>100-120</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>5</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>21.2</b>	<b>2.2</b>
50	100	<b>19.8</b>	<b>2.1</b>
0	100	<b>18.2</b>	<b>1.9</b>
90	50	<b>17.5</b>	<b>1.8</b>
50	50	<b>16.7</b>	<b>1.8</b>
0	50	<b>15.9</b>	<b>1.7</b>
50	25	<b>16.2</b>	<b>1.7</b>
0	25	<b>15.7</b>	<b>1.6</b>

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Series:	<b>VFD-EL</b>
Model name:	<b>VFD007EL11A</b>

Apparent output power	<b>1.6</b>	kVA
Rated output current	<b>4.2</b>	A
Rated power output	<b>0.7</b>	kW
Rated supply voltage	<b>100-120</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>37.8</b>	<b>2.4</b>
50	100	<b>31</b>	<b>1.9</b>
0	100	<b>24.7</b>	<b>1.5</b>
90	50	<b>27.3</b>	<b>1.7</b>
50	50	<b>24.2</b>	<b>1.5</b>
0	50	<b>21</b>	<b>1.3</b>
50	25	<b>22.6</b>	<b>1.4</b>
0	25	<b>20.6</b>	<b>1.3</b>

# Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD002EL21A</b>

Apparent output power	<b>0.6</b>	kVA
Rated output current	<b>1.6</b>	A
Rated power output	<b>0.2</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>18.2</b>	<b>3</b>
50	100	<b>17.1</b>	<b>2.8</b>
0	100	<b>16.1</b>	<b>2.6</b>
90	50	<b>15.8</b>	<b>2.6</b>
50	50	<b>15.3</b>	<b>2.5</b>
0	50	<b>14.8</b>	<b>2.4</b>
50	25	<b>15</b>	<b>2.5</b>
0	25	<b>14.6</b>	<b>2.4</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD004EL21A</b>

Apparent output power	<b>1</b>	kVA
Rated output current	<b>2.5</b>	A
Rated power output	<b>0.4</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>24.1</b>	<b>2.5</b>
50	100	<b>22</b>	<b>2.3</b>
0	100	<b>20.2</b>	<b>2.1</b>
90	50	<b>19.7</b>	<b>2.1</b>
50	50	<b>18.8</b>	<b>2</b>
0	50	<b>17.9</b>	<b>1.9</b>
50	25	<b>18.2</b>	<b>1.9</b>
0	25	<b>17.7</b>	<b>1.9</b>

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Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD007EL21A</b>

Apparent output power	<b>1.6</b>	kVA
Rated output current	<b>4.2</b>	A
Rated power output	<b>0.7</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>35.9</b>	<b>2.2</b>
50	100	<b>31.7</b>	<b>2</b>
0	100	<b>28.2</b>	<b>1.8</b>
90	50	<b>27.7</b>	<b>1.7</b>
50	50	<b>25.9</b>	<b>1.6</b>
0	50	<b>24.2</b>	<b>1.5</b>
50	25	<b>24.8</b>	<b>1.6</b>
0	25	<b>23.8</b>	<b>1.5</b>

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Efficiency level:

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Series:	<b>VFD-EL</b>
Model name:	<b>VFD015EL21A</b>

Apparent output power	<b>2.9</b>	kVA
Rated output current	<b>7.5</b>	A
Rated power output	<b>1.5</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>57.9</b>	<b>2</b>
50	100	<b>51</b>	<b>1.8</b>
0	100	<b>44.9</b>	<b>1.6</b>
90	50	<b>40</b>	<b>1.4</b>
50	50	<b>37.1</b>	<b>1.3</b>
0	50	<b>34.3</b>	<b>1.2</b>
50	25	<b>31.3</b>	<b>1.1</b>
0	25	<b>29.9</b>	<b>1</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD022EL21A</b>

Apparent output power	<b>4.2</b>	kVA
Rated output current	<b>11</b>	A
Rated power output	<b>2.2</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>87.2</b>	<b>2.1</b>
50	100	<b>75.8</b>	<b>1.8</b>
0	100	<b>66.1</b>	<b>1.6</b>
90	50	<b>57.4</b>	<b>1.4</b>
50	50	<b>52.8</b>	<b>1.3</b>
0	50	<b>48.4</b>	<b>1.2</b>
50	25	<b>43.3</b>	<b>1</b>
0	25	<b>41.2</b>	<b>1</b>



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Efficiency level:

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Series:	<b>VFD-EL</b>
Model name:	<b>VFD002EL23A</b>

Apparent output power	<b>0.6</b>	kVA
Rated output current	<b>1.6</b>	A
Rated power output	<b>0.2</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>17.8</b>	<b>2.9</b>
50	100	<b>17</b>	<b>2.8</b>
0	100	<b>16.1</b>	<b>2.6</b>
90	50	<b>15.7</b>	<b>2.6</b>
50	50	<b>15.3</b>	<b>2.5</b>
0	50	<b>14.7</b>	<b>2.4</b>
50	25	<b>14.9</b>	<b>2.5</b>
0	25	<b>14.6</b>	<b>2.4</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD004EL23A</b>

Apparent output power	<b>1</b>	kVA
Rated output current	<b>2.5</b>	A
Rated power output	<b>0.4</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>23.3</b>	<b>2.4</b>
50	100	<b>21.8</b>	<b>2.3</b>
0	100	<b>20.3</b>	<b>2.1</b>
90	50	<b>19.5</b>	<b>2</b>
50	50	<b>18.8</b>	<b>2</b>
0	50	<b>18</b>	<b>1.9</b>
50	25	<b>18.2</b>	<b>1.9</b>
0	25	<b>17.7</b>	<b>1.9</b>

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Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD007EL23A</b>

Apparent output power	<b>1.6</b>	kVA
Rated output current	<b>4.2</b>	A
Rated power output	<b>0.7</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>34.1</b>	<b>2.1</b>
50	100	<b>31.2</b>	<b>1.9</b>
0	100	<b>28.4</b>	<b>1.8</b>
90	50	<b>27.2</b>	<b>1.7</b>
50	50	<b>25.8</b>	<b>1.6</b>
0	50	<b>24.3</b>	<b>1.5</b>
50	25	<b>24.8</b>	<b>1.6</b>
0	25	<b>23.9</b>	<b>1.5</b>

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IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD015EL23A</b>

Apparent output power	<b>2.9</b>	kVA
Rated output current	<b>7.5</b>	A
Rated power output	<b>1.5</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>58.4</b>	<b>2</b>
50	100	<b>51.3</b>	<b>1.8</b>
0	100	<b>45.3</b>	<b>1.6</b>
90	50	<b>40.1</b>	<b>1.4</b>
50	50	<b>37.2</b>	<b>1.3</b>
0	50	<b>34.5</b>	<b>1.2</b>
50	25	<b>31.3</b>	<b>1.1</b>
0	25	<b>30.1</b>	<b>1.1</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD022EL23A</b>

Apparent output power	<b>4.2</b>	kVA
Rated output current	<b>11</b>	A
Rated power output	<b>2.2</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>92.7</b>	<b>2.2</b>
50	100	<b>81.6</b>	<b>1.9</b>
0	100	<b>72.2</b>	<b>1.7</b>
90	50	<b>63.8</b>	<b>1.5</b>
50	50	<b>59.2</b>	<b>1.4</b>
0	50	<b>54.9</b>	<b>1.3</b>
50	25	<b>49.8</b>	<b>1.2</b>
0	25	<b>47.8</b>	<b>1.1</b>

# Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD037EL23A</b>

Apparent output power	<b>6.5</b>	kVA
Rated output current	<b>17</b>	A
Rated power output	<b>3.7</b>	kW
Rated supply voltage	<b>200-240</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>7</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>125.7</b>	<b>1.9</b>
50	100	<b>111.3</b>	<b>1.7</b>
0	100	<b>97</b>	<b>1.5</b>
90	50	<b>85.1</b>	<b>1.3</b>
50	50	<b>78.5</b>	<b>1.2</b>
0	50	<b>71.4</b>	<b>1.1</b>
50	25	<b>64.4</b>	<b>1</b>
0	25	<b>60.9</b>	<b>0.9</b>

# Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD004EL43A</b>

Apparent output power	<b>1.2</b>	kVA
Rated output current	<b>1.5</b>	A
Rated power output	<b>0.4</b>	kW
Rated supply voltage	<b>380-480</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>10</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>37.9</b>	<b>3.3</b>
50	100	<b>37</b>	<b>3.2</b>
0	100	<b>35.9</b>	<b>3.1</b>
90	50	<b>34.9</b>	<b>3.1</b>
50	50	<b>34.4</b>	<b>3</b>
0	50	<b>33.8</b>	<b>3</b>
50	25	<b>34</b>	<b>3</b>
0	25	<b>33.6</b>	<b>2.9</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD007EL43A</b>

Apparent output power	<b>2</b>	kVA
Rated output current	<b>2.5</b>	A
Rated power output	<b>0.7</b>	kW
Rated supply voltage	<b>380-480</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>10</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>47.2</b>	<b>2.5</b>
50	100	<b>45.5</b>	<b>2.4</b>
0	100	<b>43.5</b>	<b>2.3</b>
90	50	<b>41.8</b>	<b>2.2</b>
50	50	<b>40.8</b>	<b>2.1</b>
0	50	<b>39.8</b>	<b>2.1</b>
50	25	<b>40.1</b>	<b>2.1</b>
0	25	<b>39.4</b>	<b>2.1</b>



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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD015EL43A</b>

Apparent output power	<b>3.3</b>	kVA
Rated output current	<b>4.2</b>	A
Rated power output	<b>1.5</b>	kW
Rated supply voltage	<b>380-480</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>10</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>67.5</b>	<b>2.1</b>
50	100	<b>64.1</b>	<b>2</b>
0	100	<b>60.3</b>	<b>1.9</b>
90	50	<b>53</b>	<b>1.7</b>
50	50	<b>51.4</b>	<b>1.6</b>
0	50	<b>49.5</b>	<b>1.5</b>
50	25	<b>45.9</b>	<b>1.4</b>
0	25	<b>45</b>	<b>1.4</b>

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Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD022EL43A</b>

Apparent output power	<b>4.4</b>	kVA
Rated output current	<b>5.5</b>	A
Rated power output	<b>2.2</b>	kW
Rated supply voltage	<b>380-480</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>10</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>74.7</b>	<b>1.8</b>
50	100	<b>70.6</b>	<b>1.7</b>
0	100	<b>66.1</b>	<b>1.6</b>
90	50	<b>57.4</b>	<b>1.4</b>
50	50	<b>55.4</b>	<b>1.3</b>
0	50	<b>53.1</b>	<b>1.3</b>
50	25	<b>48.9</b>	<b>1.2</b>
0	25	<b>47.8</b>	<b>1.1</b>

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	<b>VFD-EL</b>
Model name:	<b>VFD037EL43A</b>

Apparent output power	<b>6.8</b>	kVA
Rated output current	<b>8.2</b>	A
Rated power output	<b>3.7</b>	kW
Rated supply voltage	<b>380-480</b>	V
Rated supply frequency	<b>50/60</b>	Hz
Standby loss	<b>10</b>	W
Maximum operating temperature	<b>50</b>	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	<b>123.1</b>	<b>2</b>
50	100	<b>116.2</b>	<b>1.9</b>
0	100	<b>108.8</b>	<b>1.7</b>
90	50	<b>95.4</b>	<b>1.5</b>
50	50	<b>92.1</b>	<b>1.5</b>
0	50	<b>88.4</b>	<b>1.4</b>
50	25	<b>81.6</b>	<b>1.3</b>
0	25	<b>79.7</b>	<b>1.3</b>