

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD3A0VP43ANTAA**

Apparent output power	2.4	kVA
Rated output current	3	A
Rated power output	0.75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	64.4	2.69
50	100	62.2	2.60
0	100	59.6	2.49
90	50	52.5	2.2
50	50	51.3	2.15
0	50	49.9	2.09
50	25	46.4	1.94
0	25	45.7	1.91

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD4A2VP43ANTAA**

Apparent output power	3.3	kVA
Rated output current	4.2	A
Rated power output	1.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	80	2.39
50	100	77	2.3
0	100	73.4	2.19
90	50	62.9	1.88
50	50	61.3	1.83
0	50	59.3	1.77
50	25	54.2	1.62
0	25	53.2	1.59

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD5A6VP43ANTAA**

Apparent output power	4.5	kVA
Rated output current	5.6	A
Rated power output	2.2	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	99.8	2.24
50	100	95.8	2.15
0	100	91.1	2.04
90	50	75.9	1.7
50	50	73.7	1.65
0	50	71.2	1.6
50	25	64	1.43
0	25	62.6	1.40

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD7A2VP43ANTAA**

Apparent output power	5.7	kVA
Rated output current	7.2	A
Rated power output	3	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	122.2	2.13
50	100	117	2.04
0	100	111.1	1.94
90	50	90.5	1.58
50	50	87.8	1.53
0	50	84.6	1.47
50	25	75	1.31
0	25	73.3	1.28

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System efficiency according to IEC 61800-9-2

System Efficiency level:

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Series: **VP3000**

Model name: **VFD011VP43ANTAA**

Apparent output power	8.8	kVA
Rated output current	11	A
Rated power output	4	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	159.4	1.82
50	100	152.5	1.74
0	100	145.3	1.66
90	50	97.9	1.12
50	50	94.6	1.08
0	50	90.8	1.04
50	25	74.9	0.85
0	25	72.9	0.83

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD013VP43ANTAA**

Apparent output power	10.4	kVA
Rated output current	13	A
Rated power output	5.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	29.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	191.6	1.85
50	100	183.3	1.77
0	100	175.1	1.69
90	50	114.8	1.11
50	50	110.9	1.07
0	50	106.5	1.03
50	25	86.6	0.84
0	25	84.3	0.81

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD018VP43ANTAA**

Apparent output power	14.3	kVA
Rated output current	18	A
Rated power output	7.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	29.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	253.3	1.77
50	100	234.9	1.64
0	100	217.8	1.52
90	50	148.9	1.04
50	50	141.3	0.99
0	50	133.4	0.93
50	25	108.8	0.76
0	25	104.8	0.73

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD025VP43ANTAA**

Apparent output power	19.9	kVA
Rated output current	25	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	376.7	1.89
50	100	351.2	1.76
0	100	328.6	1.65
90	50	214.9	1.08
50	50	204.8	1.03
0	50	194.5	0.98
50	25	156.9	0.79
0	25	151.8	0.76

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IE2

Series: **VP3000**

Model name: **VFD032VP43ANTAA**

Apparent output power	25.5	kVA
Rated output current	32	A
Rated power output	15	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	486.7	1.91
50	100	438	1.72
0	100	395.8	1.55
90	50	264.9	1.04
50	50	247.4	0.97
0	50	230.3	0.9
50	25	185.3	0.73
0	25	177.4	0.7

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IE2

Series: **VP3000**

Model name: **VFD038VP43ANTAA**

Apparent output power	30.3	kVA
Rated output current	38	A
Rated power output	18.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	462.5	1.53
50	100	415.7	1.37
0	100	373.1	1.23
90	50	257.7	0.85
50	50	239.9	0.79
0	50	221.7	0.73
50	25	181	0.6
0	25	172.2	0.57

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD045VP43ANTCA**

Apparent output power	35.9	kVA
Rated output current	45	A
Rated power output	22	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	549.9	1.53
50	100	499.2	1.39
0	100	451.1	1.26
90	50	318.4	0.89
50	50	297.3	0.83
0	50	274.8	0.77
50	25	227.8	0.64
0	25	216.6	0.6

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD062VP43ANTCA**

Apparent output power	49.4	kVA
Rated output current	62	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	789.8	1.6
50	100	713.8	1.45
0	100	645.7	1.31
90	50	432.8	0.88
50	50	402.3	0.81
0	50	371	0.75
50	25	298.4	0.6
0	25	282.9	0.57

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IE2

Series: **VP3000**

Model name: **VFD073VP43ANTCA**

Apparent output power	58.2	kVA
Rated output current	73	A
Rated power output	37	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	903.3	1.55
50	100	797.7	1.37
0	100	689.1	1.18
90	50	488.7	0.84
50	50	446	0.77
0	50	398.7	0.69
50	25	322.3	0.55
0	25	299.3	0.51

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD090VP43ANTCA**

Apparent output power	71.7	kVA
Rated output current	90	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1007.3	1.4
50	100	902	1.26
0	100	809.9	1.13
90	50	541.5	0.76
50	50	500.5	0.7
0	50	459.4	0.64
50	25	360.7	0.5
0	25	340.7	0.48

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD3A0VP43BFTAA**

Apparent output power	2.4	kVA
Rated output current	3	A
Rated power output	0.75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	64.4	2.7
50	100	62.3	2.61
0	100	59.7	2.5
90	50	52.6	2.2
50	50	51.4	2.15
0	50	50	2.09
50	25	46.5	1.94
0	25	45.8	1.91

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD4A2VP43BFTAA**

Apparent output power	3.3	kVA
Rated output current	4.2	A
Rated power output	1.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	80.1	2.39
50	100	77.1	2.3
0	100	73.6	2.2
90	50	63.1	1.88
50	50	61.5	1.84
0	50	59.5	1.78
50	25	54.4	1.63
0	25	53.4	1.6

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD5A6VP43BFTAA**

Apparent output power	4.5	kVA
Rated output current	5.6	A
Rated power output	2.2	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	100.1	2.24
50	100	96.1	2.15
0	100	91.4	2.05
90	50	76.2	1.71
50	50	74.1	1.66
0	50	71.5	1.6
50	25	64.3	1.44
0	25	62.9	1.41

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IE2

Series: **VP3000**

Model name: **VFD7A2VP43BFTAA**

Apparent output power	5.7	kVA
Rated output current	7.2	A
Rated power output	3	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	122.7	2.14
50	100	117.5	2.05
0	100	111.6	1.95
90	50	91	1.59
50	50	88.3	1.54
0	50	85.1	1.48
50	25	75.5	1.32
0	25	73.8	1.29

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD011VP43BFTAA**

Apparent output power	8.8	kVA
Rated output current	11	A
Rated power output	4	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	160.6	1.83
50	100	153.6	1.75
0	100	146.5	1.67
90	50	99.1	1.13
50	50	95.8	1.09
0	50	92	1.05
50	25	76.1	0.87
0	25	74.1	0.85

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD013VP43BFTAA**

Apparent output power	10.4	kVA
Rated output current	13	A
Rated power output	5.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	29.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	193.3	1.87
50	100	185	1.79
0	100	176.8	1.71
90	50	116.5	1.12
50	50	112.5	1.09
0	50	108.1	1.04
50	25	88.2	0.85
0	25	85.9	0.83

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD018VP43BFTAA**

Apparent output power	14.3	kVA
Rated output current	18	A
Rated power output	7.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	29.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	256.4	1.79
50	100	238	1.66
0	100	221	1.54
90	50	152	1.06
50	50	144.5	1.01
0	50	136.5	0.95
50	25	111.9	0.78
0	25	107.9	0.75

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System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD025VP43BFTAA**

Apparent output power	19.9	kVA
Rated output current	25	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	378.5	1.9
50	100	353.1	1.77
0	100	330.4	1.66
90	50	216.7	1.09
50	50	206.7	1.04
0	50	196.4	0.99
50	25	158.7	0.8
0	25	153.6	0.77

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD032VP43BFTAA**

Apparent output power	25.5	kVA
Rated output current	32	A
Rated power output	15	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	489.7	1.92
50	100	441	1.73
0	100	398.8	1.56
90	50	267.9	1.05
50	50	250.5	0.98
0	50	233.4	0.92
50	25	188.3	0.74
0	25	180.4	0.71

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IE2

Series: **VP3000**

Model name: **VFD038VP43BFTAA**

Apparent output power	30.3	kVA
Rated output current	38	A
Rated power output	18.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	466.7	1.54
50	100	419.9	1.39
0	100	377.3	1.25
90	50	261.9	0.87
50	50	244.1	0.81
0	50	225.9	0.75
50	25	185.2	0.61
0	25	176.5	0.58

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IE2

Series: **VP3000**

Model name: **VFD045VP43BFTCA**

Apparent output power	35.9	kVA
Rated output current	45	A
Rated power output	22	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	553	1.54
50	100	502.2	1.4
0	100	454.2	1.27
90	50	321.4	0.9
50	50	300.3	0.84
0	50	277.9	0.78
50	25	230.8	0.64
0	25	219.6	0.61

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD062VP43BFTCA**

Apparent output power	49.4	kVA
Rated output current	62	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	795.6	1.61
50	100	719.6	1.46
0	100	651.5	1.32
90	50	438.6	0.89
50	50	408.1	0.83
0	50	376.8	0.76
50	25	304.2	0.62
0	25	288.7	0.58

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IE2

Series: **VP3000**

Model name: **VFD073VP43BFTCA**

Apparent output power	58.2	kVA
Rated output current	73	A
Rated power output	37	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	908.6	1.56
50	100	803	1.38
0	100	694.4	1.19
90	50	494	0.85
50	50	451.4	0.78
0	50	404.1	0.69
50	25	327.6	0.56
0	25	304.6	0.52

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IE2

Series: **VP3000**

Model name: **VFD090VP43BFTCA**

Apparent output power	71.7	kVA
Rated output current	90	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1015.4	1.42
50	100	910.1	1.27
0	100	818	1.14
90	50	549.6	0.77
50	50	508.6	0.71
0	50	467.5	0.65
50	25	368.8	0.51
0	25	348.8	0.49

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IE2

Series: **VP3000**

Model name: **VFD045VP43BSTCA**

Apparent output power	35.9	kVA
Rated output current	45	A
Rated power output	22	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	553	1.54
50	100	502.2	1.4
0	100	454.2	1.27
90	50	321.4	0.9
50	50	300.3	0.84
0	50	277.9	0.78
50	25	230.8	0.64
0	25	219.6	0.61

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD062VP43BSTCA**

Apparent output power	49.4	kVA
Rated output current	62	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	795.6	1.61
50	100	719.6	1.46
0	100	651.5	1.32
90	50	438.6	0.89
50	50	408.1	0.83
0	50	376.8	0.76
50	25	304.2	0.62
0	25	288.7	0.58

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IE2

Series: **VP3000**

Model name: **VFD073VP43BSTCA**

Apparent output power	58.2	kVA
Rated output current	73	A
Rated power output	37	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	908.6	1.56
50	100	803	1.38
0	100	694.4	1.19
90	50	494	0.85
50	50	451.4	0.78
0	50	404.1	0.69
50	25	327.6	0.56
0	25	304.6	0.52

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD090VP43BSTCA**

Apparent output power	71.7	kVA
Rated output current	90	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	67.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1015.4	1.42
50	100	910.1	1.27
0	100	818	1.14
90	50	549.6	0.77
50	50	508.6	0.71
0	50	467.5	0.65
50	25	368.8	0.51
0	25	348.8	0.49

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System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD110VP43BSTCA**

Apparent output power	87.6	kVA
Rated output current	110	A
Rated power output	55	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.8	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1197.6	1.37
50	100	1056.8	1.21
0	100	928.1	1.06
90	50	651.6	0.74
50	50	597.9	0.68
0	50	542.8	0.62
50	25	436.7	0.5
0	25	410.3	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD150VP43BSTCA**

Apparent output power	119.5	kVA
Rated output current	150	A
Rated power output	75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1869.7	1.56
50	100	1670.6	1.4
0	100	1517.1	1.27
90	50	920	0.77
50	50	846.4	0.71
0	50	778.7	0.65
50	25	584.3	0.49
0	25	551.8	0.46

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD180VP43BSTCA**

Apparent output power	143.4	kVA
Rated output current	180	A
Rated power output	90	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	72.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1973.7	1.38
50	100	1690.8	1.18
0	100	1470.2	1.03
90	50	1021.2	0.71
50	50	917.6	0.64
0	50	822.1	0.57
50	25	651.7	0.45
0	25	606.2	0.42

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD220VP43BSTCA**

Apparent output power	175.3	kVA
Rated output current	220	A
Rated power output	110	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	72.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2731.5	1.56
50	100	2343.1	1.34
0	100	2056.3	1.17
90	50	1347.1	0.77
50	50	1209.7	0.69
0	50	1088.7	0.62
50	25	835.7	0.48
0	25	779	0.44

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD260VP43BSTCA**

Apparent output power	207.1	kVA
Rated output current	260	A
Rated power output	132	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2477.1	1.2
50	100	2128.8	1.03
0	100	1822.1	0.88
90	50	1252.2	0.6
50	50	1119.5	0.54
0	50	986.5	0.48
50	25	781.6	0.38
0	25	717.7	0.35

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD310VP43BSTCA**

Apparent output power	247	kVA
Rated output current	310	A
Rated power output	160	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2754.4	1.12
50	100	2303.5	0.93
0	100	1925.8	0.78
90	50	1365.3	0.55
50	50	1202.5	0.49
0	50	1045.9	0.42
50	25	817.7	0.33
0	25	745.9	0.3

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD370VP43BSTCA**

Apparent output power	294.8	kVA
Rated output current	370	A
Rated power output	185	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3675.7	1.25
50	100	2993.4	1.02
0	100	2473.5	0.84
90	50	1805.8	0.61
50	50	1575	0.53
0	50	1370.4	0.46
50	25	1090.4	0.37
0	25	999.9	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD395VP43BSTCA**

Apparent output power	314.7	kVA
Rated output current	395	A
Rated power output	200	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3983.9	1.27
50	100	3223	1.02
0	100	2651.2	0.84
90	50	1928.8	0.61
50	50	1674.1	0.53
0	50	1451.4	0.46
50	25	1149.1	0.37
0	25	1051.4	0.33

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD460VP43BSTCA**

Apparent output power	366.5	kVA
Rated output current	460	A
Rated power output	220	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6536.6	1.78
50	100	5575	1.52
0	100	4851.6	1.32
90	50	3154.7	0.86
50	50	2833.5	0.77
0	50	2552.6	0.7
50	25	1906.1	0.52
0	25	1783	0.49

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD485VP43BSTCA**

Apparent output power	386.4	kVA
Rated output current	485	A
Rated power output	250	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6667	1.73
50	100	5650.4	1.46
0	100	4911.9	1.27
90	50	3250.6	0.84
50	50	2912.1	0.75
0	50	2623.2	0.68
50	25	1962.1	0.51
0	25	1835.2	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD530VP43SHTCA**

Apparent output power	422.3	kVA
Rated output current	530	A
Rated power output	280	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6948.1	1.65
50	100	6290.7	1.429
0	100	5683.9	1.35
90	50	3644.3	0.86
50	50	3388.7	0.8
0	50	3123.3	0.74
50	25	2373.9	0.56
0	25	2248.2	0.53

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD616VP43SHTCA**

Apparent output power	490.8	kVA
Rated output current	616	A
Rated power output	315	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	7202.6	1.47
50	100	6376.5	1.3
0	100	5634.3	1.15
90	50	3810.4	0.78
50	50	3497.3	0.71
0	50	3179.2	0.65
50	25	2458.6	0.5
0	25	2309.6	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD683VP43SHTCA**

Apparent output power	544.2	kVA
Rated output current	683	A
Rated power output	355	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	7740.4	1.42
50	100	7013.1	1.29
0	100	6269.4	1.15
90	50	4128.8	0.76
50	50	3829.1	0.7
0	50	3496	0.64
50	25	2680.1	0.49
0	25	2519.8	0.46

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD770VP43SHTCA**

Apparent output power	613.5	kVA
Rated output current	770	A
Rated power output	400	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	8135.1	1.33
50	100	7196.4	1.17
0	100	6233.3	1.02
90	50	3921.2	0.64
50	50	3550.7	0.58
0	50	3140.6	0.51
50	25	2374.7	0.39
0	25	2182.1	0.36

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD866VP43SHTCA**

Apparent output power	690	kVA
Rated output current	866	A
Rated power output	450	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	8381.4	1.21
50	100	7484.9	1.08
0	100	6568.8	0.95
90	50	4181.2	0.61
50	50	3808.2	0.55
0	50	3393.4	0.49
50	25	2576.2	0.37
0	25	2375.6	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD930VP43SHTCA**

Apparent output power	740.9	kVA
Rated output current	930	A
Rated power output	500	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	9165.3	1.24
50	100	8177.6	1.1
0	100	7178.7	0.97
90	50	4515.3	0.61
50	50	4108.2	0.55
0	50	3658.8	0.49
50	25	2756.6	0.37
0	25	2540	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD1K1VP43SHTCA**

Apparent output power	876.4	kVA
Rated output current	1100	A
Rated power output	560	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	10016.1	1.14
50	100	9181.7	1.05
0	100	8349.8	0.95
90	50	5143.4	0.59
50	50	4767.1	0.54
0	50	4349.9	0.5
50	25	3241.3	0.37
0	25	3030.7	0.35

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD1K2VP43SHTCA**

Apparent output power	956.1	kVA
Rated output current	1200	A
Rated power output	630	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	145	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	11113.6	1.16
50	100	10187.7	1.07
0	100	9281.6	0.97
90	50	5638.1	0.59
50	50	5223.9	0.55
0	50	4769.5	0.5
50	25	3524.7	0.37
0	25	3295.4	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD110VP43BFTCA**

Apparent output power	87.6	kVA
Rated output current	110	A
Rated power output	55	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.8	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1197.6	1.37
50	100	1056.8	1.21
0	100	928.1	1.06
90	50	651.6	0.74
50	50	597.9	0.68
0	50	542.8	0.62
50	25	436.7	0.5
0	25	410.3	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD150VP43BFTCA**

Apparent output power	119.5	kVA
Rated output current	150	A
Rated power output	75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1760.5	1.47
50	100	1637	1.37
0	100	1517.1	1.27
90	50	892.1	0.75
50	50	837.8	0.7
0	50	778.7	0.65
50	25	582	0.49
0	25	551.8	0.46

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD180VP43BFTCA**

Apparent output power	143.4	kVA
Rated output current	180	A
Rated power output	90	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	72.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1862.9	1.3
50	100	1656.6	1.16
0	100	1470.2	1.03
90	50	992.8	0.69
50	50	908.8	0.63
0	50	822.1	0.57
50	25	649.3	0.45
0	25	606.2	0.42

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD220VP43BFTCA**

Apparent output power	175.3	kVA
Rated output current	220	A
Rated power output	110	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	72.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2565.9	1.46
50	100	2292	1.31
0	100	2056.3	1.17
90	50	1304.7	0.74
50	50	1196.6	0.68
0	50	1088.7	0.62
50	25	832.1	0.47
0	25	779	0.44

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD260VP43BFTCA**

Apparent output power	207.1	kVA
Rated output current	260	A
Rated power output	132	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2443.6	1.18
50	100	2118.5	1.02
0	100	1822.1	0.88
90	50	1243.6	0.6
50	50	1116.8	0.54
0	50	986.5	0.48
50	25	780.9	0.38
0	25	717.7	0.345

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD310VP43BFTCA**

Apparent output power	247	kVA
Rated output current	310	A
Rated power output	160	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2706.2	1.1
50	100	2288.6	0.93
0	100	1925.8	0.78
90	50	1353.2	0.55
50	50	1198.8	0.49
0	50	1045.9	0.42
50	25	816.7	0.33
0	25	745.9	0.3

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD370VP43BFTCA**

Apparent output power	294.8	kVA
Rated output current	370	A
Rated power output	185	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3497	1.19
50	100	2938.3	1
0	100	2473.5	0.84
90	50	1760.7	0.6
50	50	1561.1	0.53
0	50	1370.4	0.46
50	25	1086.8	0.37
0	25	999.9	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD395VP43BFTCA**

Apparent output power	314.7	kVA
Rated output current	395	A
Rated power output	200	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3780.2	1.20
50	100	3160.1	1
0	100	2651.2	0.84
90	50	1877.5	0.6
50	50	1658.3	0.53
0	50	1451.4	0.46
50	25	1145	0.36
0	25	1051.4	0.33

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD460VP43BFTCA**

Apparent output power	366.5	kVA
Rated output current	460	A
Rated power output	220	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6164.9	1.68
50	100	5460.3	1.49
0	100	4851.6	1.32
90	50	3061	0.84
50	50	2804.6	0.77
0	50	2552.6	0.7
50	25	1898.6	0.52
0	25	1783	0.49

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD485VP43BFTCA**

Apparent output power	386.4	kVA
Rated output current	485	A
Rated power output	250	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6253.3	1.62
50	100	5522.7	1.43
0	100	4911.9	1.27
90	50	3146.3	0.81
50	50	2880	0.75
0	50	2623.2	0.68
50	25	1953.7	0.51
0	25	1835.2	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD110VP43AFTCA**

Apparent output power	87.6	kVA
Rated output current	110	A
Rated power output	55	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.8	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1197.6	1.37
50	100	1056.8	1.21
0	100	928.1	1.06
90	50	651.6	0.74
50	50	597.9	0.68
0	50	542.8	0.62
50	25	436.7	0.5
0	25	410.3	0.47

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD150VP43AFTCA**

Apparent output power	119.5	kVA
Rated output current	150	A
Rated power output	75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1792.3	1.5
50	100	1646.8	1.38
0	100	1517.1	1.27
90	50	900.2	0.75
50	50	840.3	0.7
0	50	778.7	0.65
50	25	582.7	0.49
0	25	551.8	0.46

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD180VP43AFTCA**

Apparent output power	143.4	kVA
Rated output current	180	A
Rated power output	90	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1841.3	1.28
50	100	1635	1.14
0	100	1448.6	1.01
90	50	971.2	0.68
50	50	887.2	0.62
0	50	800.5	0.56
50	25	627.7	0.44
0	25	584.6	0.41

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD220VP43AFTCA**

Apparent output power	175.3	kVA
Rated output current	220	A
Rated power output	110	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	68.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2544.3	1.45
50	100	2270.4	1.3
0	100	2034.7	1.16
90	50	1283.1	0.73
50	50	1175	0.67
0	50	1067.1	0.61
50	25	810.5	0.46
0	25	757.4	0.43

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD260VP43AFTCA**

Apparent output power	207.1	kVA
Rated output current	260	A
Rated power output	132	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2443.6	1.18
50	100	2118.5	1.02
0	100	1822.1	0.88
90	50	1243.6	0.6
50	50	1116.8	0.54
0	50	986.5	0.48
50	25	780.9	0.38
0	25	717.7	0.35

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD310VP43AFTCA**

Apparent output power	247	kVA
Rated output current	310	A
Rated power output	160	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	77.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2706.2	1.1
50	100	2288.6	0.93
0	100	1925.8	0.78
90	50	1353.2	0.55
50	50	1198.8	0.49
0	50	1045.9	0.42
50	25	816.7	0.33
0	25	745.9	0.3

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD370VP43AFTCA**

Apparent output power	294.8	kVA
Rated output current	370	A
Rated power output	185	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3497	1.19
50	100	2938.3	1
0	100	2473.5	0.84
90	50	1760.7	0.6
50	50	1561.1	0.53
0	50	1370.4	0.47
50	25	1086.8	0.37
0	25	999.9	0.34

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD395VP43AFTCA**

Apparent output power	314.7	kVA
Rated output current	395	A
Rated power output	200	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	3780.2	1.2
50	100	3160.1	1
0	100	2651.2	0.84
90	50	1877.5	0.6
50	50	1658.3	0.53
0	50	1451.4	0.46
50	25	1145	0.36
0	25	1051.4	0.33

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD460VP43AFTCA**

Apparent output power	366.5	kVA
Rated output current	485	A
Rated power output	250	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6164.9	1.68
50	100	5460.3	1.49
0	100	4851.6	1.32
90	50	3061.0	0.84
50	50	2804.6	0.77
0	50	2552.6	0.70
50	25	1898.6	0.52
0	25	1783.0	0.49

Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD485VP43AFTCA**

Apparent output power	386.4	kVA
Rated output current	485	A
Rated power output	250	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	102.3	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	6253.3	1.62
50	100	5522.7	1.43
0	100	4911.9	1.27
90	50	3146.3	0.81
50	50	2880	0.75
0	50	2623.2	0.68
50	25	1953.7	0.51
0	25	1835.2	0.47

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD3A0VP43BSTCA

Apparent output power	2.4	kVA
Rated output current	3	A
Rated power output	0.75	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	24.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	62.1	2.6
50	100	59.2	2.48
0	100	56.3	2.36
90	50	49.5	2.07
50	50	48.2	2.01
0	50	46.7	1.95
50	25	43.2	1.81
0	25	42.4	1.78

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD4A2VP43BSTCA

Apparent output power	3.3	kVA
Rated output current	4.2	A
Rated power output	1.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	81.6	2.44
50	100	77.6	2.32
0	100	73.5	2.2
90	50	63.5	1.9
50	50	61.6	1.84
0	50	59.5	1.78
50	25	54.5	1.63
0	25	53.4	1.6

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD5A6VP43BSTCA**

Apparent output power	4.5	kVA
Rated output current	5.6	A
Rated power output	2.2	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	101.2	2.27
50	100	95.8	2.15
0	100	90.5	2.03
90	50	76.3	1.71
50	50	73.8	1.65
0	50	71.1	1.59
50	25	64.1	1.44
0	25	62.7	1.41

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD7A2VP43BSTCA

Apparent output power	5.7	kVA
Rated output current	7.2	A
Rated power output	3	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	27.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	124.8	2.18
50	100	117.7	2.05
0	100	111	1.94
90	50	91.6	1.6
50	50	88.3	1.54
0	50	84.9	1.48
50	25	75.4	1.32
0	25	73.7	1.28

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **VP3000**

Model name: **VFD011VP43BSTCA**

Apparent output power	8.8	kVA
Rated output current	11	A
Rated power output	4	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	35.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	171	1.95
50	100	160.9	1.84
0	100	152.3	1.74
90	50	107.3	1.22
50	50	103.1	1.18
0	50	98.9	1.13
50	25	83.4	0.95
0	25	81.3	0.93

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD013VP43BSTCA

Apparent output power	10.4	kVA
Rated output current	13	A
Rated power output	5.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	35.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	199.8	1.93
50	100	189.2	1.83
0	100	179.9	1.74
90	50	122.1	1.18
50	50	117.5	1.13
0	50	112.9	1.09
50	25	93.5	0.9
0	25	91.1	0.88

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD018VP43BSTCA

Apparent output power	14.3	kVA
Rated output current	18	A
Rated power output	7.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	35.6	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	263.7	1.84
50	100	242.1	1.69
0	100	223.6	1.56
90	50	157.4	1.1
50	50	149	1.04
0	50	140.7	0.98
50	25	116.6	0.81
0	25	112.6	0.78

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD025VP43BSTCA

Apparent output power	19.9	kVA
Rated output current	25	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	396.4	2
50	100	364.7	1.83
0	100	339.3	1.7
90	50	226.1	1.14
50	50	214.5	1.08
0	50	203.5	1.02
50	25	164.7	0.83
0	25	159.4	0.8

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD032VP43BSTCA

Apparent output power	25.5	kVA
Rated output current	32	A
Rated power output	15	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	483.1	1.89
50	100	426.5	1.67
0	100	380.8	1.49
90	50	264	1.04
50	50	244.6	0.96
0	50	226.6	0.89
50	25	184.5	0.72
0	25	176.4	0.69

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	VP3000
Model name:	VFD038VP43BSTCA

Apparent output power	30.3	kVA
Rated output current	38	A
Rated power output	18.5	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	48.2	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	468.6	1.55
50	100	412.5	1.36
0	100	365.6	1.21
90	50	260.7	0.86
50	50	240.6	0.79
0	50	221.3	0.73
50	25	182.6	0.6
0	25	173.6	0.57