

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD110CT43A21C**

Apparent output power	19.12	kVA
Rated output current	24	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	43.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	426.3	2.2
50	100	387.6	2
0	100	350.7	1.8
90	50	249.9	1.3
50	50	235.1	1.2
0	50	219.6	1.1
50	25	182.4	1
0	25	175	0.9

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD110CT43F00B**

Apparent output power	19.12	kVA
Rated output current	24	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	396.3	2.1
50	100	357.6	1.9
0	100	320.7	1.7
90	50	219.9	1.1
50	50	205.1	1.1
0	50	189.6	1
50	25	152.4	0.8
0	25	145	0.8

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Series: **CT2000**

Model name: **VFD110CT43F21B**

Apparent output power	19.12	kVA
Rated output current	24	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	396.3	2.1
50	100	357.6	1.9
0	100	320.7	1.7
90	50	219.9	1.1
50	50	205.1	1.1
0	50	189.6	1
50	25	152.4	0.8
0	25	145	0.8

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD150CT43A21C**

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	43.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	537.4	2.1
50	100	485.6	1.9
0	100	437.8	1.7
90	50	308.3	1.2
50	50	288.1	1.1
0	50	267.2	1
50	25	219.6	0.9
0	25	209.4	0.8

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Series: **CT2000**

Model name: **VFD150CT43F00B**

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	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	507.4	2
50	100	455.6	1.8
0	100	407.8	1.6
90	50	278.3	1.1
50	50	258.1	1
0	50	237.2	0.9
50	25	189.6	0.7
0	25	179.4	0.7

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Series: **CT2000**

Model name: **VFD150CT43F21B**

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	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	507.4	2
50	100	455.6	1.8
0	100	407.8	1.6
90	50	278.3	1.1
50	50	258.1	1
0	50	237.2	0.9
50	25	189.6	0.7
0	25	179.4	0.7

Energy Efficiency Report

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Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD185CT43A21C**

Apparent output power	30.28	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	43.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	521.3	1.7
50	100	472.5	1.6
0	100	422.1	1.4
90	50	301.2	1
50	50	281.5	0.9
0	50	259.5	0.9
50	25	214.9	0.7
0	25	204.2	0.7

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IE2

Series: **CT2000**

Model name: **VFD185CT43F00B**

Apparent output power	30.28	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	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	491.3	1.6
50	100	442.5	1.5
0	100	392.1	1.3
90	50	271.2	0.9
50	50	251.5	0.8
0	50	229.5	0.8
50	25	184.9	0.6
0	25	174.2	0.6

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Series: **CT2000**

Model name: **VFD185CT43F21B**

Apparent output power	30.28	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	13.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	491.3	1.6
50	100	442.5	1.5
0	100	392.1	1.3
90	50	271.2	0.9
50	50	251.5	0.8
0	50	229.5	0.8
50	25	184.9	0.6
0	25	174.2	0.6

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Series: **CT2000**

Model name: **VFD220CT43A21C**

Apparent output power	35.85	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	52.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	611.1	1.7
50	100	548.9	1.5
0	100	485.9	1.4
90	50	350.7	1
50	50	326.2	0.9
0	50	299.2	0.8
50	25	248.8	0.7
0	25	235.9	0.7

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Efficiency level:

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Series: **CT2000**

Model name: **VFD220CT43F00B**

Apparent output power	35.85	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	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	572.1	1.6
50	100	509.9	1.4
0	100	446.9	1.2
90	50	311.7	0.9
50	50	287.2	0.8
0	50	260.2	0.7
50	25	209.8	0.6
0	25	196.9	0.5

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Series: **CT2000**

Model name: **VFD220CT43F21B**

Apparent output power	35.85	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	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	572.4	1.6
50	100	510.1	1.4
0	100	447.1	1.2
90	50	311.8	0.9
50	50	287.3	0.8
0	50	260.3	0.7
50	25	209.9	0.6
0	25	196.9	0.5

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Series: **CT2000**

Model name: **VFD300CT43A21C**

Apparent output power	47.8	kVA
Rated output current	60	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	52.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	775.9	1.6
50	100	709.3	1.5
0	100	642.6	1.3
90	50	443.2	0.9
50	50	416.8	0.9
0	50	387.9	0.8
50	25	314.8	0.7
0	25	300.9	0.6

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD300CT43F00B**

Apparent output power	47.8	kVA
Rated output current	60	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	736.9	1.5
50	100	670.3	1.4
0	100	603.6	1.3
90	50	404.2	0.8
50	50	377.8	0.8
0	50	348.9	0.7
50	25	275.8	0.6
0	25	261.9	0.5

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Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD300CT43F21B**

Apparent output power	47.8	kVA
Rated output current	60	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	737.6	1.5
50	100	671	1.4
0	100	604.3	1.3
90	50	404.5	0.8
50	50	378.1	0.8
0	50	349.2	0.7
50	25	276	0.6
0	25	262.1	0.5

Energy Efficiency Report

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Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD370CT43F00B**

Apparent output power	58.16	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	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	824	1.4
50	100	763.7	1.3
0	100	708.2	1.2
90	50	443.3	0.8
50	50	419.5	0.7
0	50	395	0.7
50	25	298.2	0.5
0	25	286.2	0.5

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD370CT43A21C**

Apparent output power	58.16	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	52.9	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	866.9	1.5
50	100	806.6	1.4
0	100	751.1	1.3
90	50	483.6	0.8
50	50	459.8	0.8
0	50	435.3	0.7
50	25	337.9	0.6
0	25	325.9	0.6

Energy Efficiency Report

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Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD370CT43F21B**

Apparent output power	58.16	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	14.8	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	827.9	1.4
50	100	767.6	1.3
0	100	712.1	1.2
90	50	444.6	0.8
50	50	420.8	0.7
0	50	396.3	0.7
50	25	298.9	0.5
0	25	286.9	0.5

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD450CT43F00B**

Apparent output power	72.5	kVA
Rated output current	91	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	16	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1214.1	1.7
50	100	1008.9	1.4
0	100	876.4	1.2
90	50	600.9	0.8
50	50	536.6	0.7
0	50	487.9	0.7
50	25	373.3	0.5
0	25	352.6	0.5

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD450CT43A00C**

Apparent output power	72.5	kVA
Rated output current	91	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	75.1	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1256.9	1.7
50	100	1051.7	1.5
0	100	919.2	1.3
90	50	654.5	0.9
50	50	590.2	0.8
0	50	541.5	0.7
50	25	429.6	0.6
0	25	408.8	0.6

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Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD550CT43F00B**

Apparent output power	87.64	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	16	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1549.2	1.8
50	100	1261.1	1.4
0	100	1082.2	1.2
90	50	745	0.9
50	50	656.9	0.7
0	50	593.3	0.7
50	25	451.4	0.5
0	25	425	0.5

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series: **CT2000**

Model name: **VFD550CT43A00C**

Apparent output power	87.64	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	75.1	W
Maximum operating temperature	40	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1587.2	1.8
50	100	1299.2	1.5
0	100	1120.3	1.3
90	50	797	0.9
50	50	709	0.8
0	50	645.3	0.7
50	25	506.8	0.6
0	25	480.4	0.5

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD055CT43F21A3
Derivative model:	VFD055CT43F21RT

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	13.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	145.8	1.41
50	100	134.6	1.3
0	100	122.4	1.18
90	50	87.8	0.85
50	50	83.2	0.8
0	50	77.9	0.75
50	25	65.6	0.63
0	25	63.1	0.61

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD075CT43F21A3
Derivative model:	VFD075CT43F21RT

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	13.9	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	192.5	1.34
50	100	173.5	1.21
0	100	153.9	1.07
90	50	110.5	0.77
50	50	102.9	0.72
0	50	94.5	0.66
50	25	78.9	0.55
0	25	74.8	0.52

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD110CT43F21A3
Derivative model:	VFD110CT43F21RT

Apparent output power	19.1	kVA
Rated output current	24	A
Rated power output	11	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	17.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	310.3	1.62
50	100	271.5	1.42
0	100	234.6	1.23
90	50	169.7	0.89
50	50	154.9	0.81
0	50	139.3	0.73
50	25	115.7	0.6
0	25	108.3	0.57

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD150CT43F21A3
Derivative model:	VFD150CT43F21RT

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	17.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	401.4	1.57
50	100	349.7	1.37
0	100	301.9	1.18
90	50	216.2	0.85
50	50	196	0.77
0	50	175.1	0.69
50	25	143.9	0.56
0	25	133.7	0.52

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD185CT43F21A3
Derivative model:	VFD185CT43F21RT

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	17.5	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	428.4	1.41
50	100	379.6	1.25
0	100	329.1	1.09
90	50	234.9	0.78
50	50	215.2	0.71
0	50	193.2	0.64
50	25	158.5	0.52
0	25	147.8	0.49

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD220CT43F21A3
Derivative model:	VFD220CT43F21RT

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	20.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	505.1	1.41
50	100	442.8	1.24
0	100	379.8	1.06
90	50	274.1	0.76
50	50	249.6	0.7
0	50	222.6	0.62
50	25	183.3	0.51
0	25	170.3	0.48

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD300CT43F21A3
Derivative model:	VFD300CT43F21RT

Apparent output power	47.8	kVA
Rated output current	60	A
Rated power output	30	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	20.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	643.4	1.35
50	100	576.9	1.21
0	100	510.2	1.07
90	50	350.1	0.73
50	50	323.7	0.68
0	50	294.8	0.62
50	25	236.7	0.5
0	25	222.8	0.47

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD370CT43F21A7
Derivative model:	VFD370CT43F21RT

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	20.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	705.2	1.21
50	100	644.9	1.11
0	100	589.5	1.01
90	50	376.3	0.65
50	50	352.6	0.61
0	50	328	0.56
50	25	251.3	0.43
0	25	239.3	0.41

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD450CT43F00A3
Derivative model:	VFD450CT43F00RT

Apparent output power	72.5	kVA
Rated output current	91	A
Rated power output	45	kW
Rated supply voltage	380-480	V
Rated supply frequency	50/60	Hz
Standby loss	24.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1092.1	1.51
50	100	846	1.17
0	100	695.2	0.96
90	50	518.3	0.71
50	50	443.5	0.61
0	50	390.2	0.54
50	25	307.2	0.42
0	25	285.1	0.39

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD550CT43F00A4
Derivative model:	VFD550CT43F00RT

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	24.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	1398.7	1.6
50	100	1061.1	1.21
0	100	860.1	0.98
90	50	643	0.73
50	50	542.3	0.62
0	50	473	0.54
50	25	369.5	0.42
0	25	341.5	0.39

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD750CT43F00A6
Derivative model:	VFD750CT43F00RT

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	24.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2177.1	1.82
50	100	1599.4	1.34
0	100	1270.5	1.06
90	50	944.6	0.79
50	50	777.2	0.65
0	50	668.5	0.56
50	25	513.5	0.43
0	25	471.4	0.39

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	CT2000-A
Model name:	VFD900CT43F00A8
Derivative model:	VFD900CT43F00RT

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	24.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	2910.2	2.03
50	100	2094.6	1.46
0	100	1623.4	1.13
90	50	1262	0.88
50	50	1027.1	0.72
0	50	873.8	0.61
50	25	679	0.47
0	25	620.2	0.43