

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	MS300
Model name:	VFD1A7MS53ANSAA

Apparent output power	1.7	kVA
Rated output current	1.7	A
Rated power output	0.75	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	29.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	65.1	3.8
50	100	63.9	3.8
0	100	62.6	3.7
90	50	59.7	3.5
50	50	59.1	3.5
0	50	58.5	3.5
50	25	57	3.4
0	25	56.7	3.3

Energy Efficiency Report

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Efficiency level:

IE2

Series:	MS300
Model name:	VFD3A0MS53ANSAA

Apparent output power	3	kVA
Rated output current	3	A
Rated power output	1.5	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	29.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	79.4	2.7
50	100	77.1	2.6
0	100	74.6	2.5
90	50	68.8	2.3
50	50	67.7	2.3
0	50	66.5	2.2
50	25	63.6	2.1
0	25	63	2.1

Energy Efficiency Report

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Efficiency level:

IE2

Series:	MS300
Model name:	VFD4A2MS53ANSAA

Apparent output power	4.2	kVA
Rated output current	4.2	A
Rated power output	2.2	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	29.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	94.4	2.3
50	100	90.7	2.2
0	100	86.9	2.1
90	50	78.5	1.9
50	50	76.9	1.8
0	50	75	1.8
50	25	70.9	1.7
0	25	70	1.7

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Efficiency level:

IE2

Series:	MS300
Model name:	VFD6A6MS53ANSAA

Apparent output power	6.6	kVA
Rated output current	6.6	A
Rated power output	3.7	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	29.7	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	126.1	1.9
50	100	121.5	1.8
0	100	116.3	1.8
90	50	104	1.6
50	50	101.7	1.5
0	50	99.1	1.5
50	25	93	1.4
0	25	91.7	1.4

Energy Efficiency Report

Drive efficiency according to IEC 61800-9-2

Efficiency level:

IE2

Series:	MS300
Model name:	VFD9A9MS53ANSAA

Apparent output power	9.9	kVA
Rated output current	9.9	A
Rated power output	5.5	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	42.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	194.5	2
50	100	186.1	1.9
0	100	176.9	1.8
90	50	146.2	1.5
50	50	142.7	1.4
0	50	138.5	1.4
50	25	127.3	1.3
0	25	125.3	1.3

Energy Efficiency Report

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Efficiency level:

IE2

Series:	MS300
Model name:	VFD12AMS53ANSAA

Apparent output power	12.2	kVA
Rated output current	12.2	A
Rated power output	7.5	kW
Rated supply voltage	425-660	V
Rated supply frequency	50/60	Hz
Standby loss	42.1	W
Maximum operating temperature	50	°C

Frequency (%)	Current (%)	Power loss (W)	Relative Power loss (%)
90	100	229	1.9
50	100	218.6	1.8
0	100	207.3	1.7
90	50	168.4	1.4
50	50	164	1.4
0	50	158.9	1.3
50	25	144.6	1.2
0	25	142.1	1.2