

Energy Efficiency Report

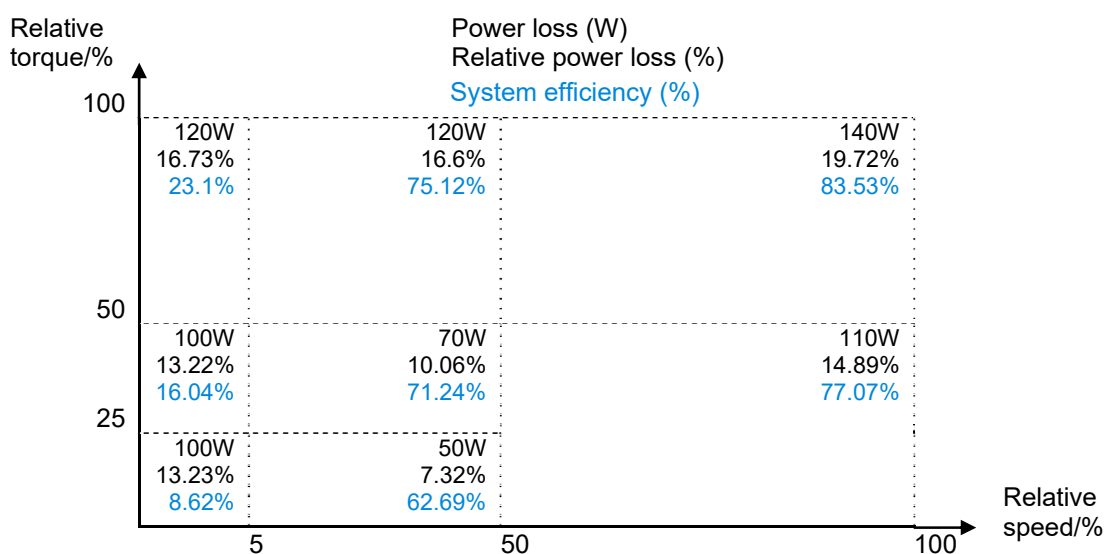
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI75B-15CDXS2A1A
Drive model name:	VFD007CP43_
System efficiency:	83.53%

Data	Motor	Drive
Rated power output (kW)	0.75	0.75
Apparent output power (kVA)	1	2.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	1.7	3
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	12.7



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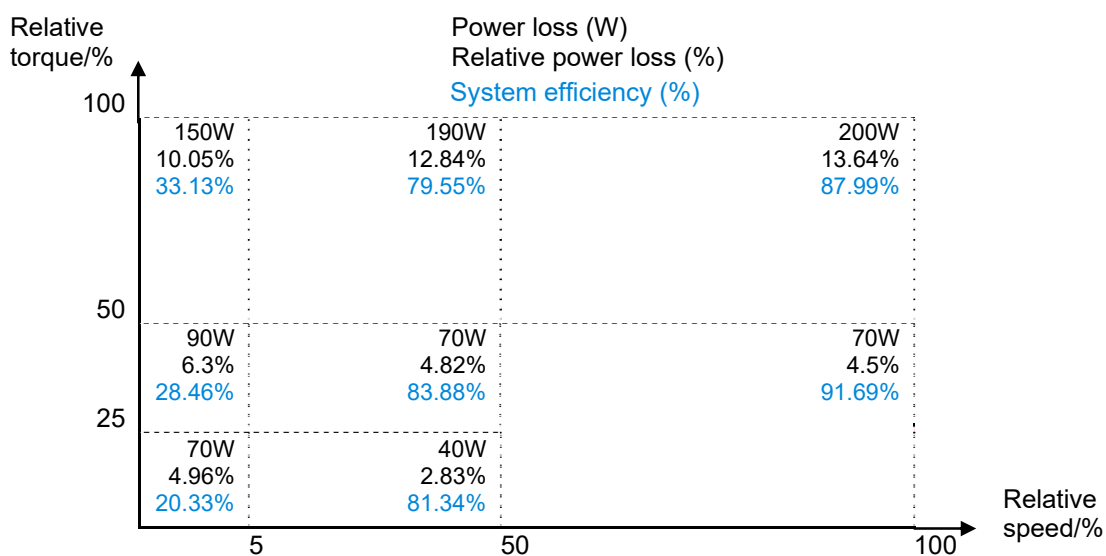
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI15C-15CDXS2A1A
Drive model name:	VFD015CP43_
System efficiency:	87.99%

Data	Motor	Drive
Rated power output (kW)	1.5	1.5
Apparent output power (kVA)	2	3.3
Rated supply voltage (V)	380	380-480
Rated output current (A)	3.4	4.2
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	12.7



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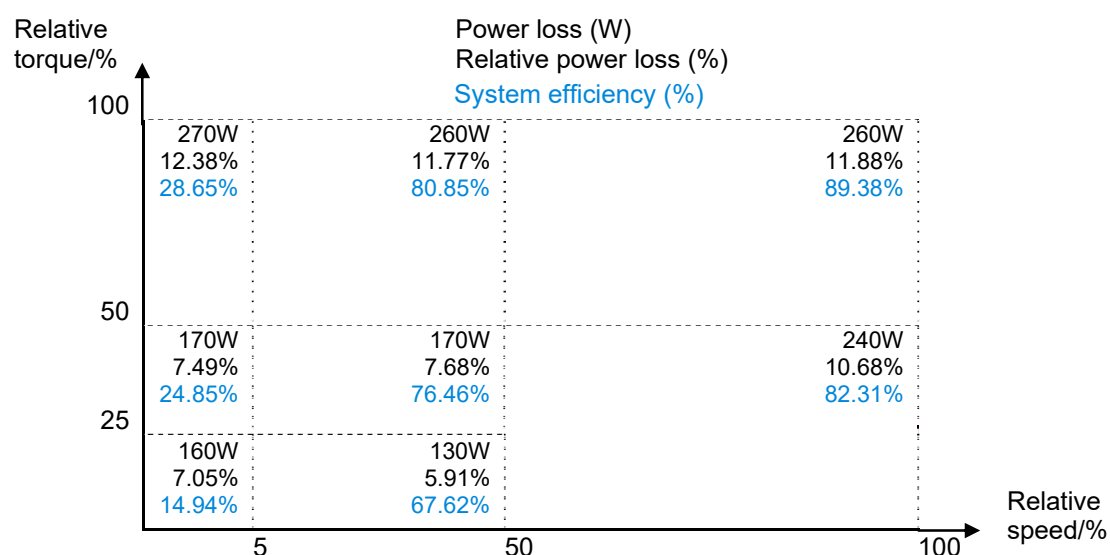
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI22C-15CDXS2A1A
Drive model name:	VFD022CP43_
System efficiency:	89.38%

Data	Motor	Drive
Rated power output (kW)	2.2	2.2
Apparent output power (kVA)	2.9	4.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	4.7	5.5
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	15.7



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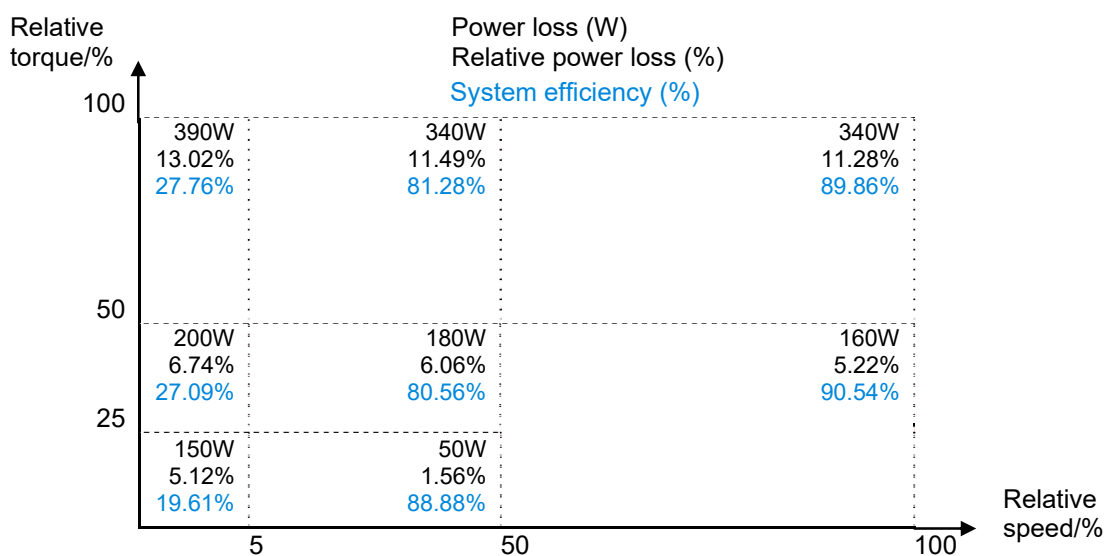
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI30C-15CDXS2A1A
Drive model name:	VFD037CP43 _
System efficiency:	89.86%

Data	Motor	Drive
Rated power output (kW)	3	3.7
Apparent output power (kVA)	3.9	6.8
Rated supply voltage (V)	380	380-480
Rated output current (A)	6.4	8.5
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	15.7



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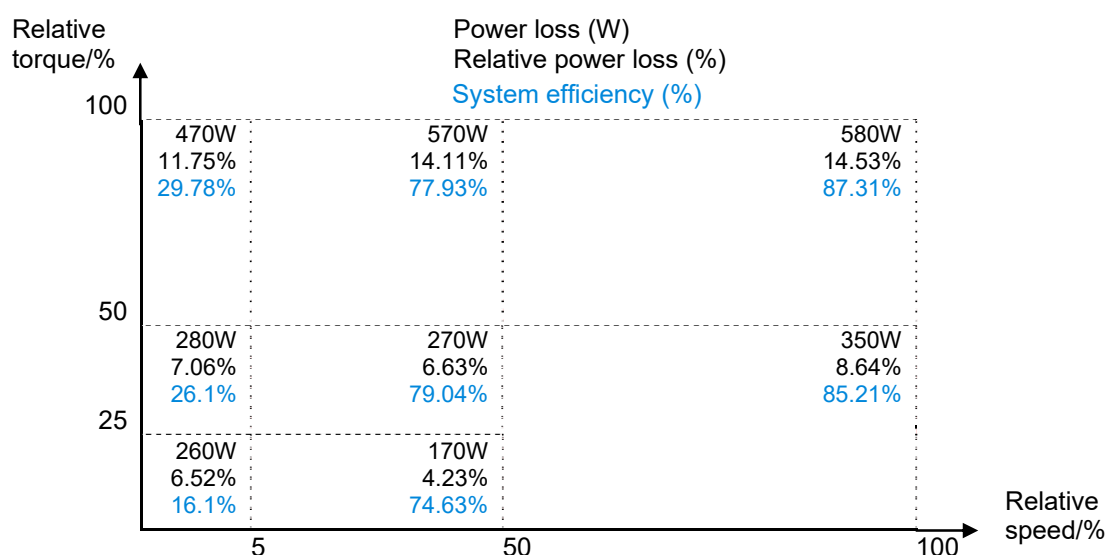
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI40C-15CDXS2A1A
Drive model name:	VFD040CP43_
System efficiency:	87.31%

Data	Motor	Drive
Rated power output (kW)	4	4
Apparent output power (kVA)	5.2	8.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	8.5	10.5
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	15.7



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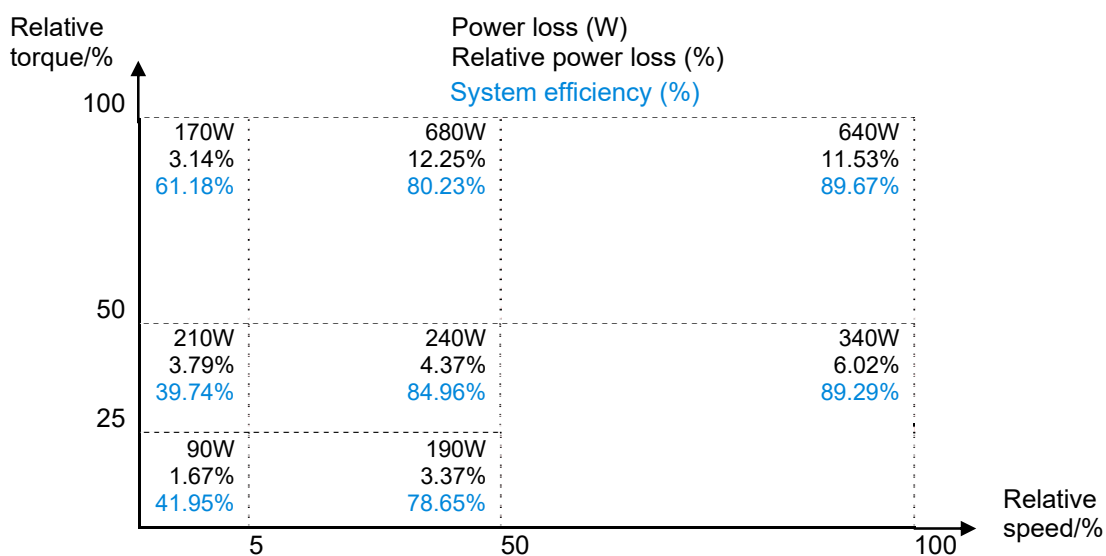
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI55C-15CDXS2A1B
Drive model name:	VFD055CP43_
System efficiency:	89.67%

Data	Motor	Drive
Rated power output (kW)	5.5	5.5
Apparent output power (kVA)	7	10.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	11.9	13
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	15.7



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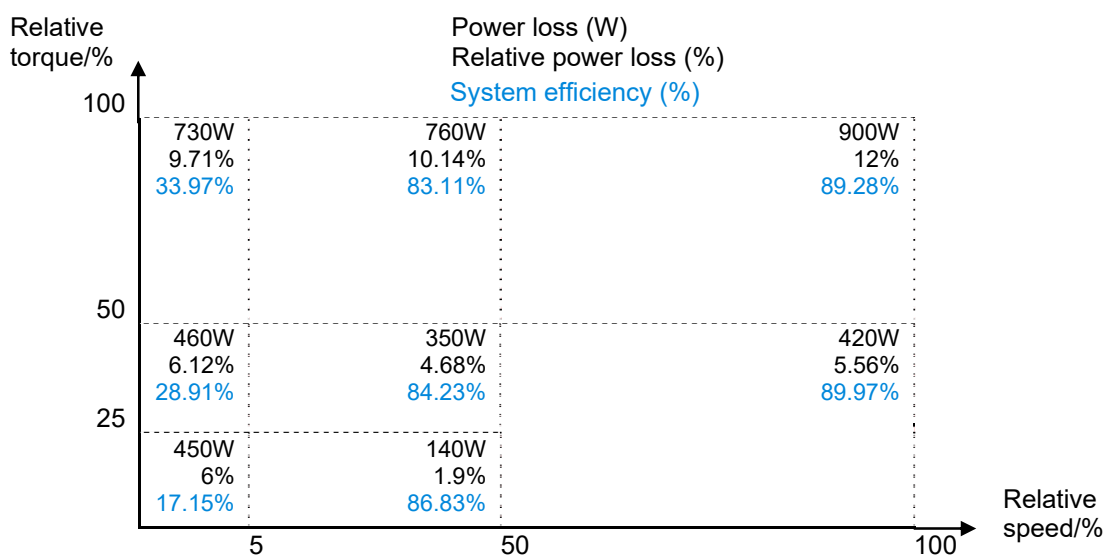
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI75C-15CDXS2A1B
Drive model name:	VFD075CP43_
System efficiency:	89.28%

Data	Motor	Drive
Rated power output (kW)	7.5	7.5
Apparent output power (kVA)	9.3	14.3
Rated supply voltage (V)	380	380-480
Rated output current (A)	15.6	18
Rated supply frequency (Hz)	75	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.87	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	19.8



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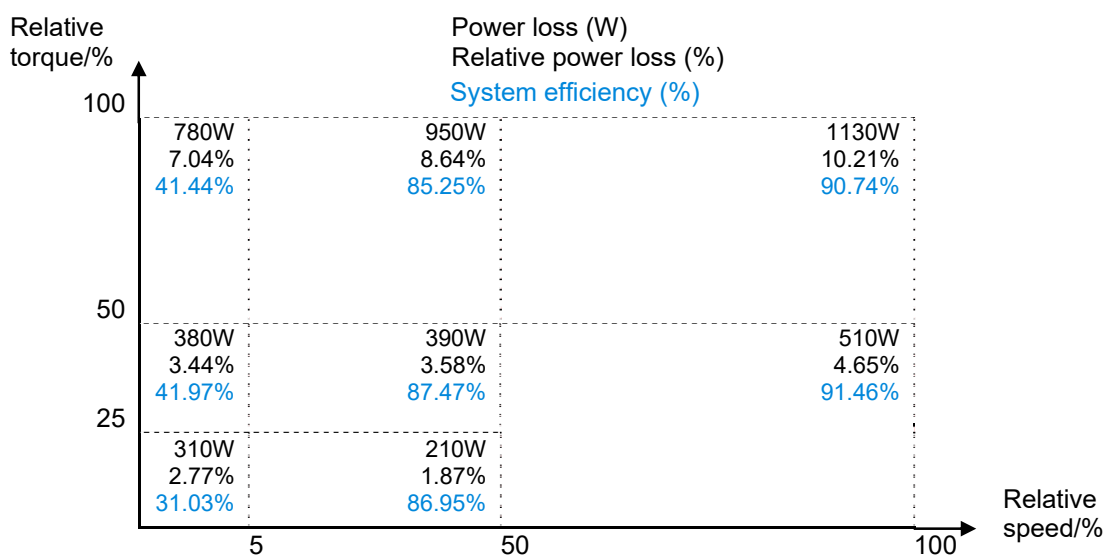
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI11D-15CDXS2A1B
Drive model name:	VFD110CP43_
System efficiency:	90.74%

Data	Motor	Drive
Rated power output (kW)	11	11
Apparent output power (kVA)	13.2	19.1
Rated supply voltage (V)	380	380-480
Rated output current (A)	20.8	24
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.89	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	27.1



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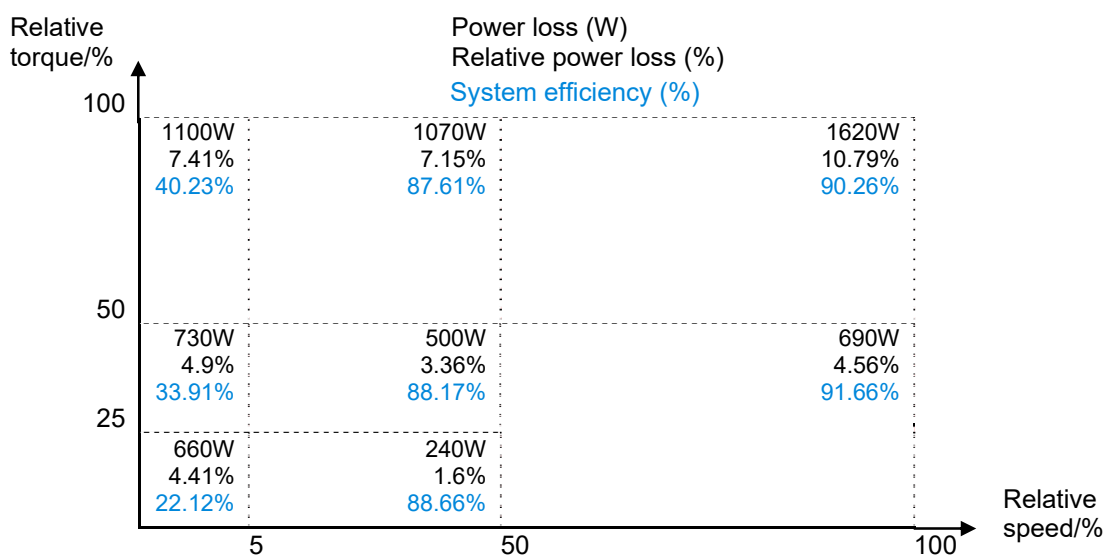
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI15D-15CDXS2A1B
Drive model name:	VFD150CP43_
System efficiency:	90.26%

Data	Motor	Drive
Rated power output (kW)	15	15
Apparent output power (kVA)	17.7	25.5
Rated supply voltage (V)	380	380-480
Rated output current (A)	25.8	32
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	27.1



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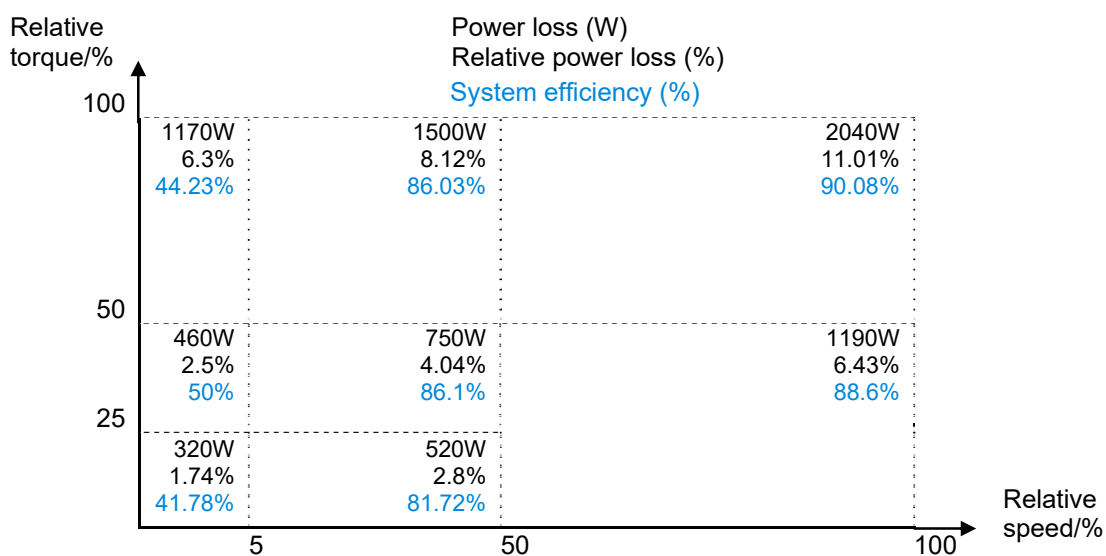
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI18D-15CDXS2A1B
Drive model name:	VFD185CP43_
System efficiency:	90.08%

Data	Motor	Drive
Rated power output (kW)	18.5	18.5
Apparent output power (kVA)	21.8	30.3
Rated supply voltage (V)	380	380-480
Rated output current (A)	35	38
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	27.1



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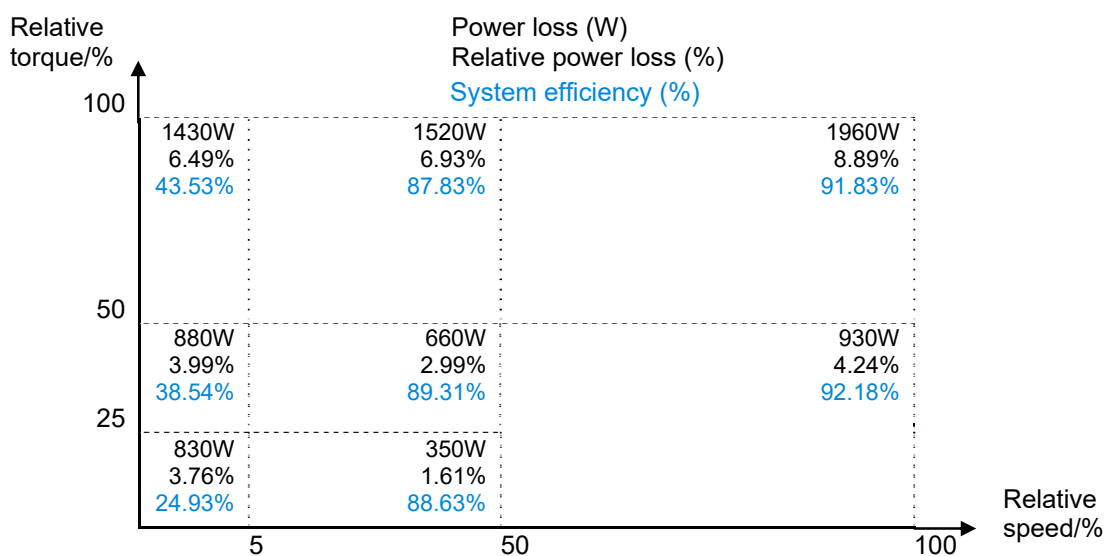
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI22D-15CDXS2A1B
Drive model name:	VFD220CP43_
System efficiency:	91.83%

Data	Motor	Drive
Rated power output (kW)	22	22
Apparent output power (kVA)	25.8	35.9
Rated supply voltage (V)	380	380-480
Rated output current (A)	43	45
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	29.7



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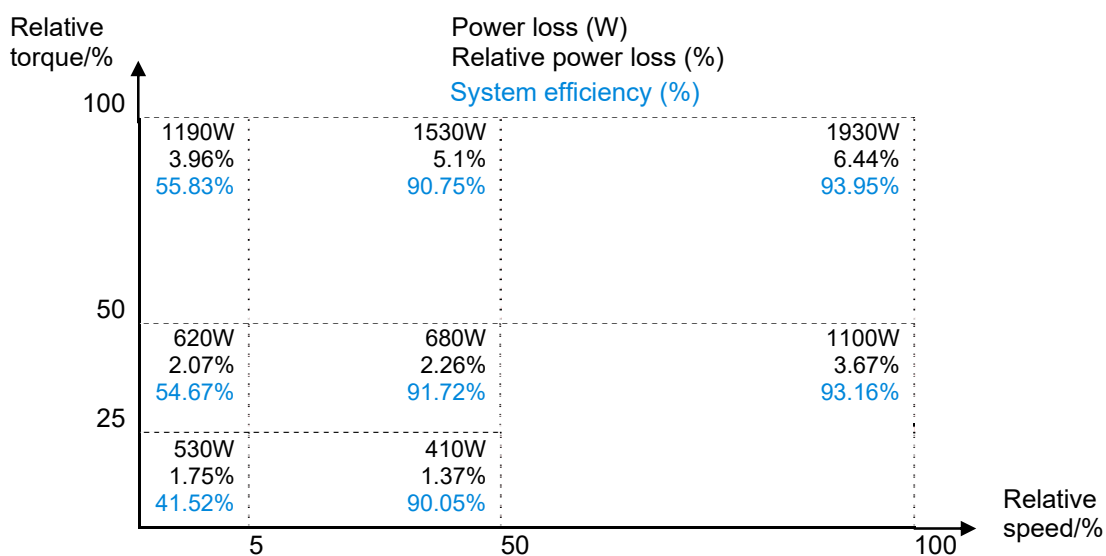
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI30D-15CDXS2A1B
Drive model name:	VFD300CP43_
System efficiency:	93.95%

Data	Motor	Drive
Rated power output (kW)	30	30
Apparent output power (kVA)	35.9	47.8
Rated supply voltage (V)	380	380-480
Rated output current (A)	55.5	60
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.88	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	29.7



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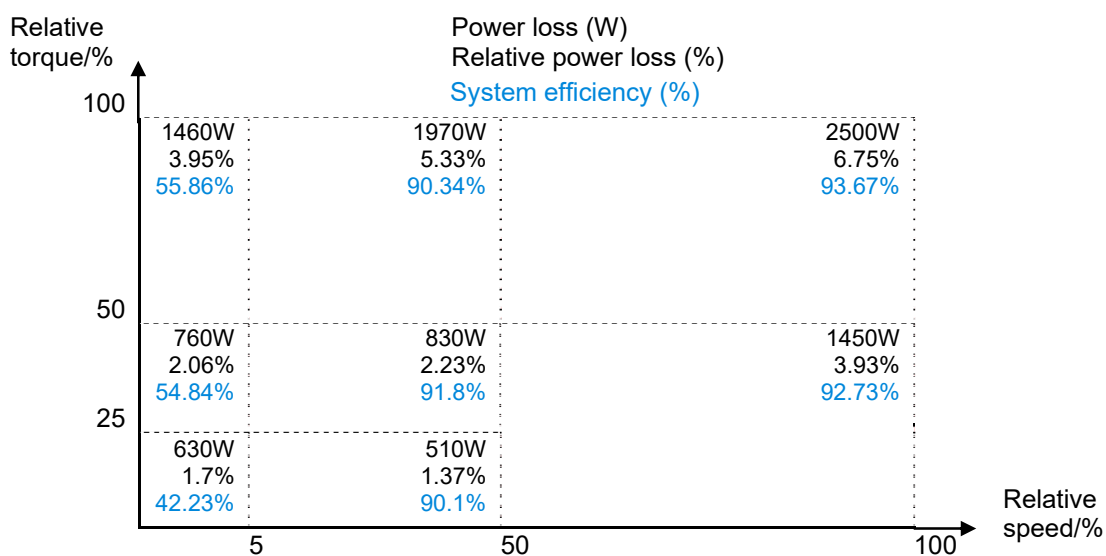
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI37D-15CDXS2A1B
Drive model name:	VFD370CP43_
System efficiency:	93.67%

Data	Motor	Drive
Rated power output (kW)	37	37
Apparent output power (kVA)	43.1	58.2
Rated supply voltage (V)	380	380-480
Rated output current (A)	66	73
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	29.7



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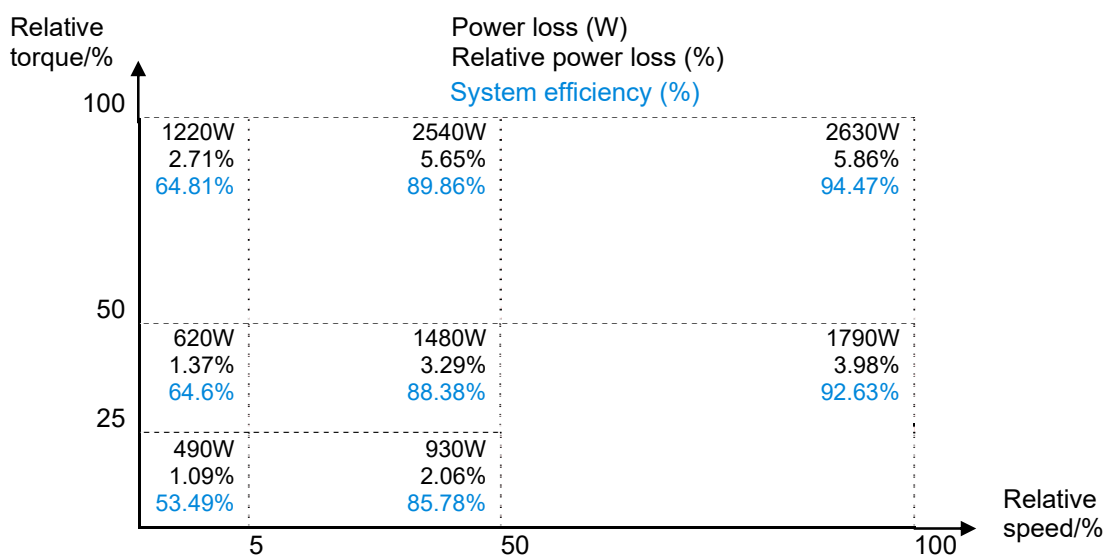
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI45D-15CDXS2A1B
Drive model name:	VFD450CP43_
System efficiency:	94.47%

Data	Motor	Drive
Rated power output (kW)	45	45
Apparent output power (kVA)	52.3	72.5
Rated supply voltage (V)	380	380-480
Rated output current (A)	78.5	91
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	41.5



Energy Efficiency Report

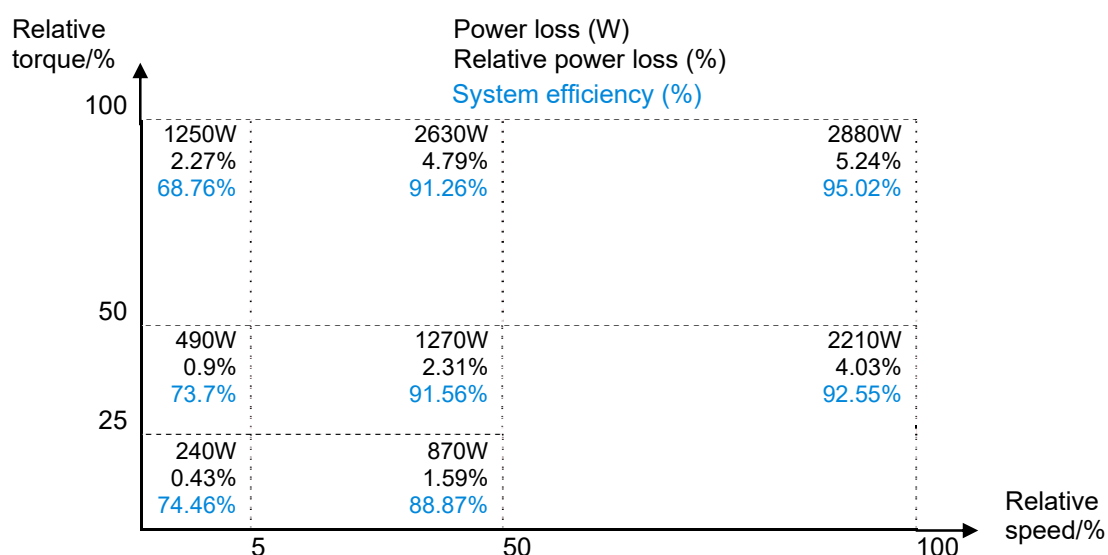
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI55D-15CDXS2A1B
Drive model name:	VFD550CP43_
System efficiency:	95.02%

Data	Motor	Drive
Rated power output (kW)	55	55
Apparent output power (kVA)	63.8	87.6
Rated supply voltage (V)	380	380-480
Rated output current (A)	98.5	110
Rated supply frequency (Hz)	100	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	1500	N/A
Standby loss (W)	N/A	41.5



Energy Efficiency Report

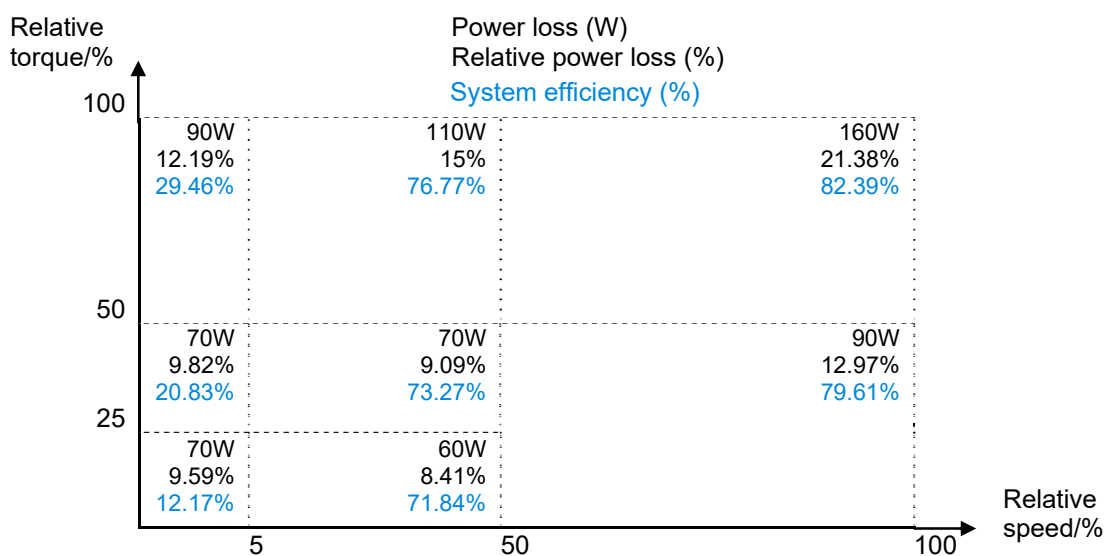
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI75B-30CDXS2A1A
Drive model name:	VFD007CP43_
System efficiency:	82.39%

Data	Motor	Drive
Rated power output (kW)	0.75	0.75
Apparent output power (kVA)	1	2.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	1.5	3
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	12.7



Energy Efficiency Report

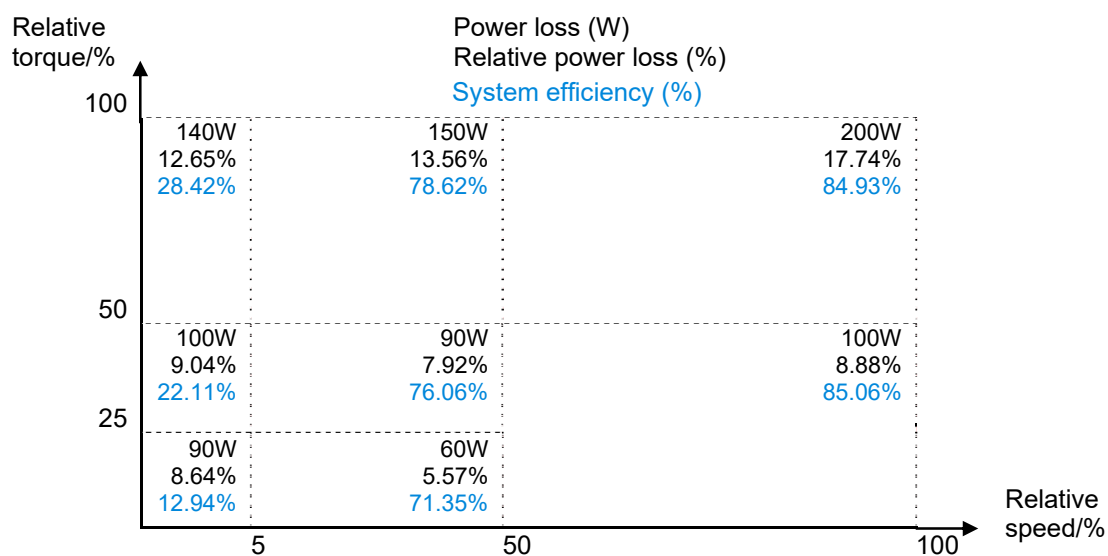
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI11C-30CDXS2A1A
Drive model name:	VFD007CP43_
System efficiency:	84.93%

Data	Motor	Drive
Rated power output (kW)	1.1	0.75
Apparent output power (kVA)	1.5	2.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	2.3	3
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	12.7



Energy Efficiency Report

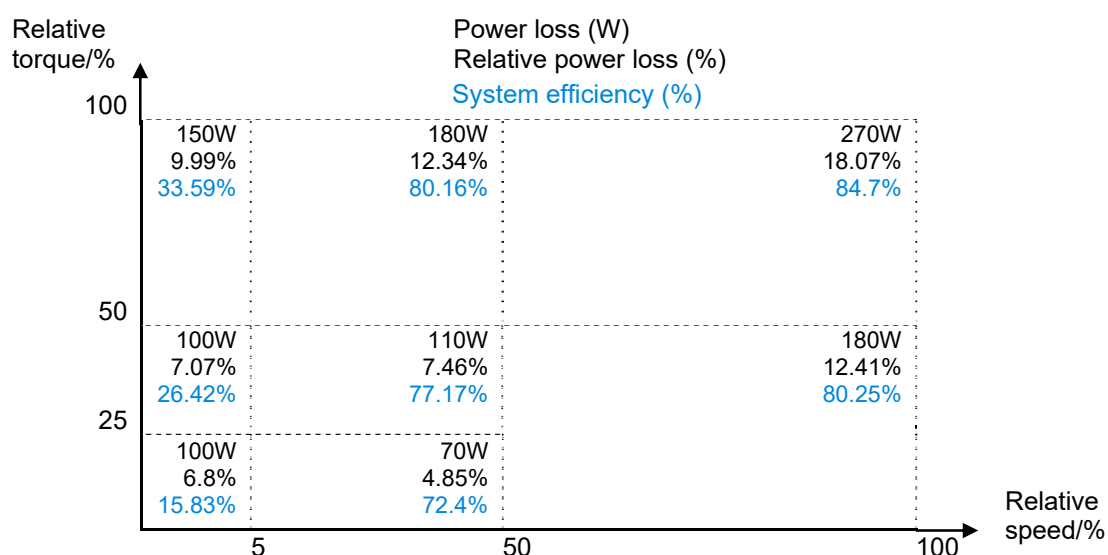
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI15C-30CDXS2A1A
Drive model name:	VFD015CP43_
System efficiency:	84.7%

Data	Motor	Drive
Rated power output (kW)	1.5	1.5
Apparent output power (kVA)	2	3.3
Rated supply voltage (V)	380	380-480
Rated output current (A)	3.1	4.2
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	12.7



Energy Efficiency Report

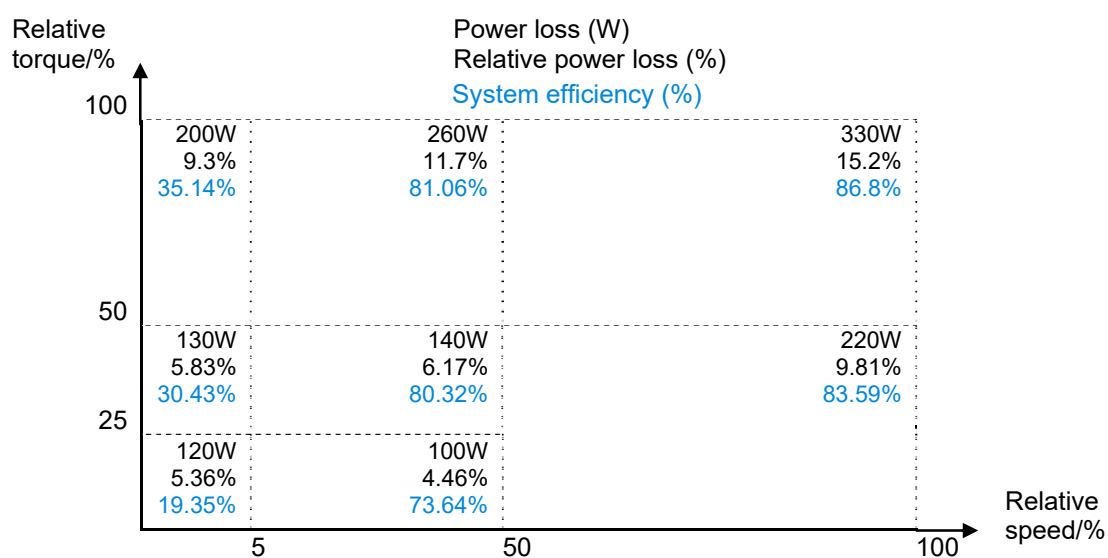
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI22C-30CDXS2A1A
Drive model name:	VFD022CP43_
System efficiency:	86.8%

Data	Motor	Drive
Rated power output (kW)	2.2	2.2
Apparent output power (kVA)	2.9	4.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	4.4	5.5
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	15.7



Energy Efficiency Report

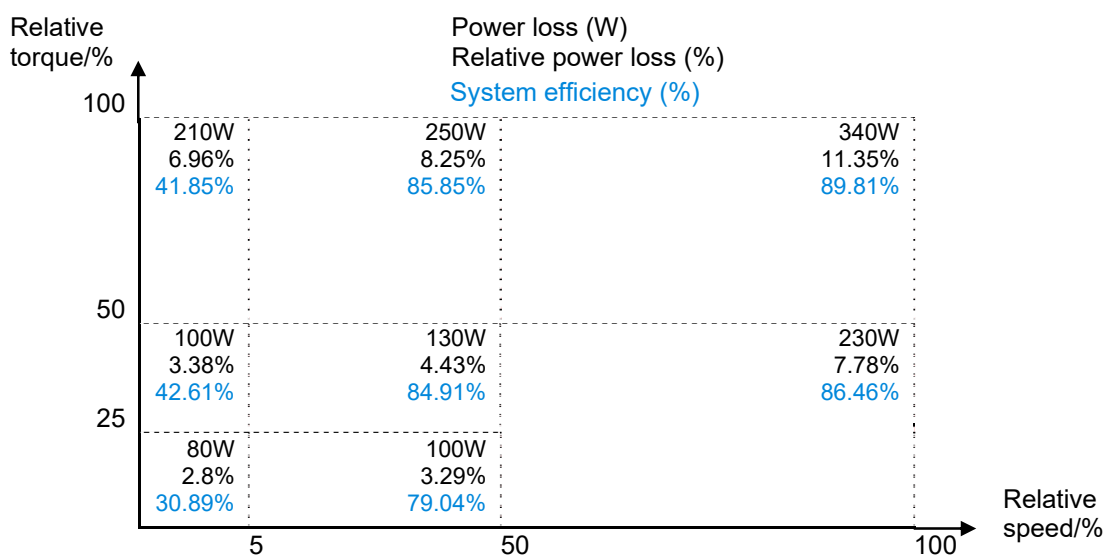
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI30C-30CDXS2A1A
Drive model name:	VFD037CP43 _
System efficiency:	89.81%

Data	Motor	Drive
Rated power output (kW)	3	3.7
Apparent output power (kVA)	3.9	6.8
Rated supply voltage (V)	380	380-480
Rated output current (A)	5.8	8.5
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.85	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	15.7



Energy Efficiency Report

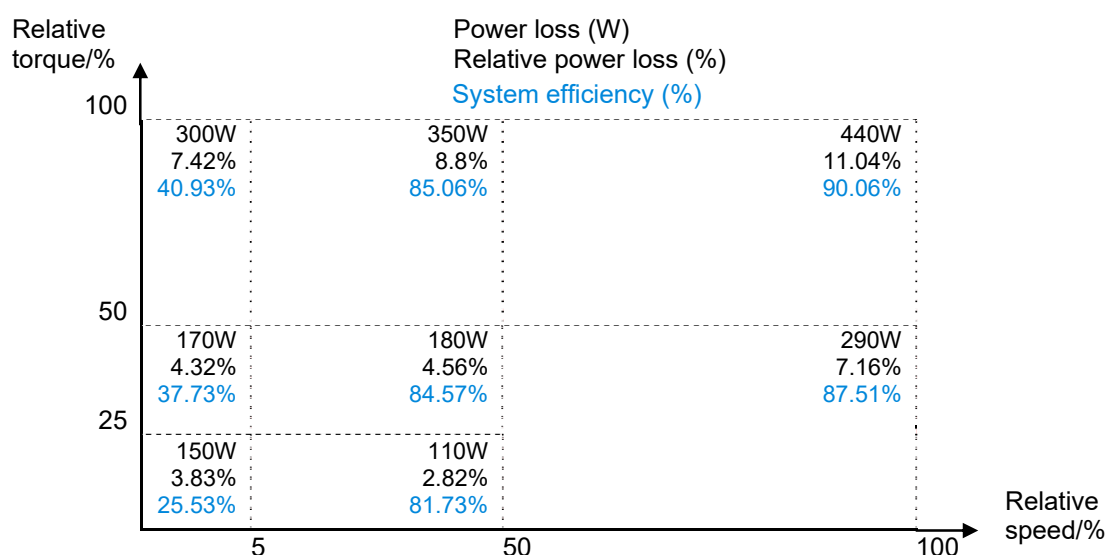
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI40C-30CDXS2A1A
Drive model name:	VFD040CP43_
System efficiency:	90.06%

Data	Motor	Drive
Rated power output (kW)	4	4
Apparent output power (kVA)	5.1	8.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	8	10.5
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.86	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	15.7



Energy Efficiency Report

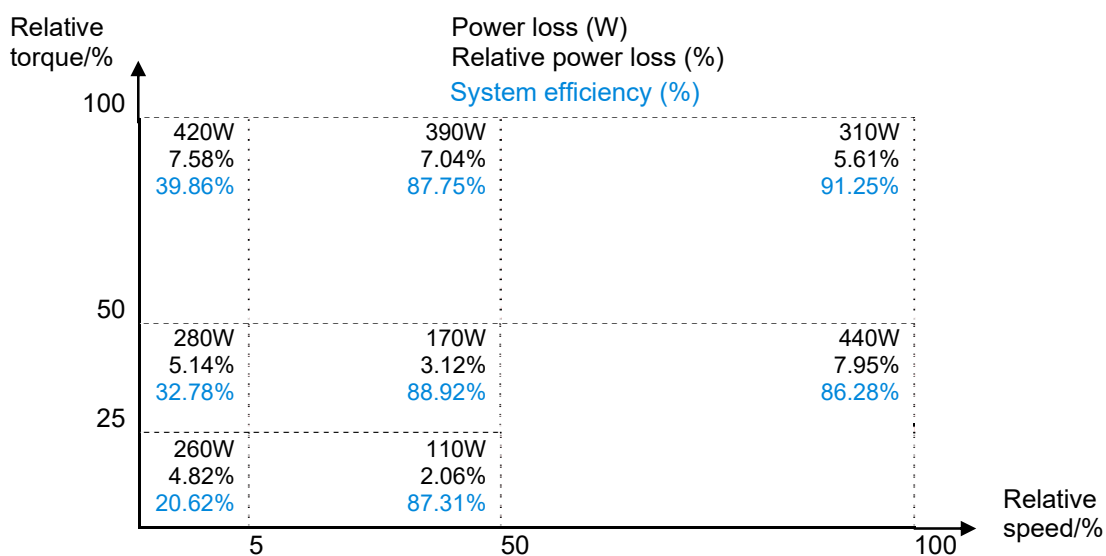
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI55C-30CDXS2A1A
Drive model name:	VFD055CP43_
System efficiency:	91.25%

Data	Motor	Drive
Rated power output (kW)	5.5	5.5
Apparent output power (kVA)	6.8	10.4
Rated supply voltage (V)	380	380-480
Rated output current (A)	11	13
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.87	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	15.7



Energy Efficiency Report

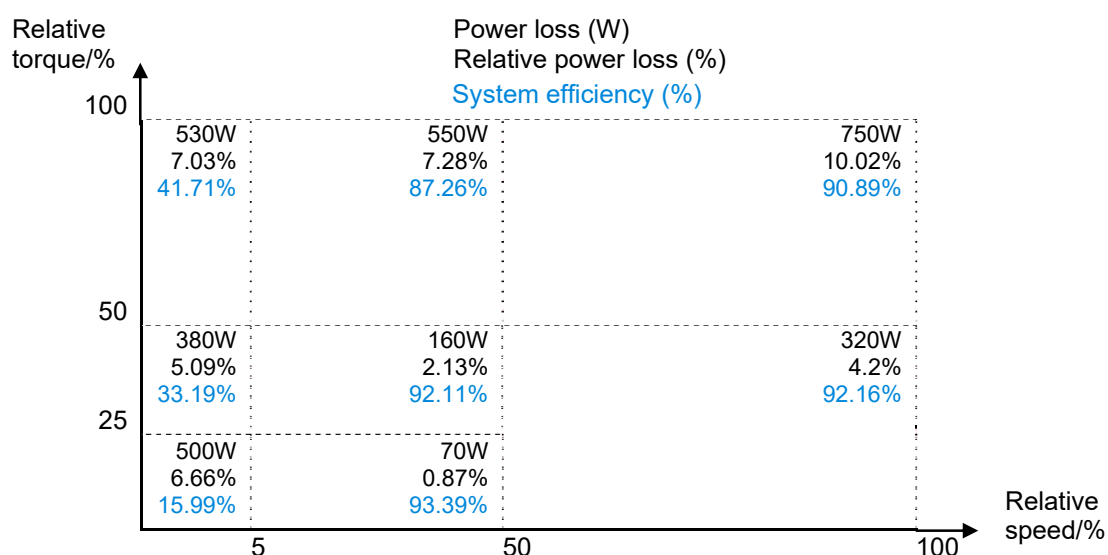
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI75C-30CDXS2A1A
Drive model name:	VFD075CP43_
System efficiency:	90.89%

Data	Motor	Drive
Rated power output (kW)	7.5	7.5
Apparent output power (kVA)	9.2	14.3
Rated supply voltage (V)	380	380-480
Rated output current (A)	14.7	18
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.87	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	19.8



Energy Efficiency Report

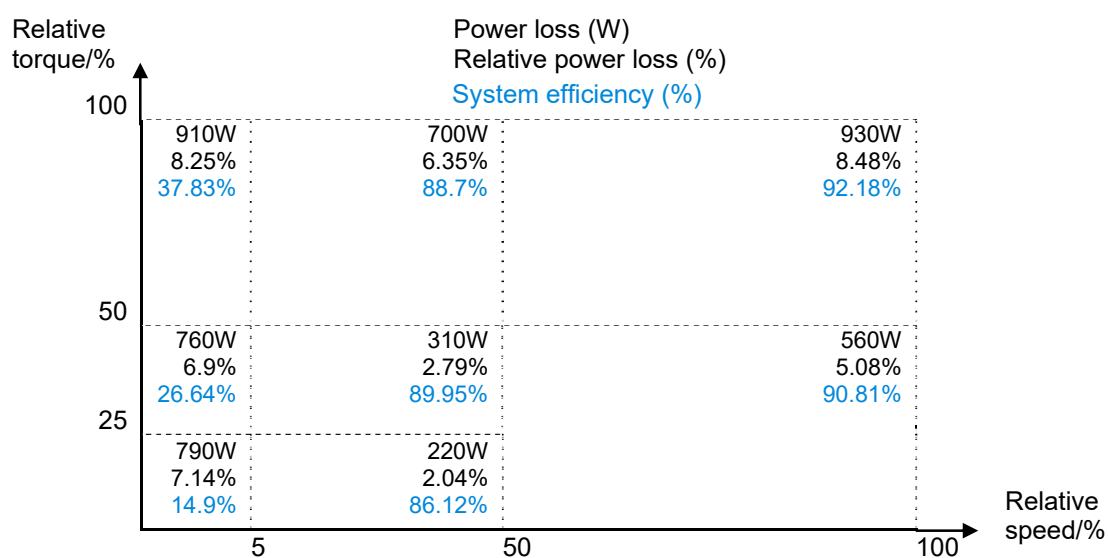
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI11D-30CDXS2A1A
Drive model name:	VFD110CP43_
System efficiency:	92.18%

Data	Motor	Drive
Rated power output (kW)	11	11
Apparent output power (kVA)	13.1	19.1
Rated supply voltage (V)	380	380-480
Rated output current (A)	20.5	24
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.89	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	27.1



Energy Efficiency Report

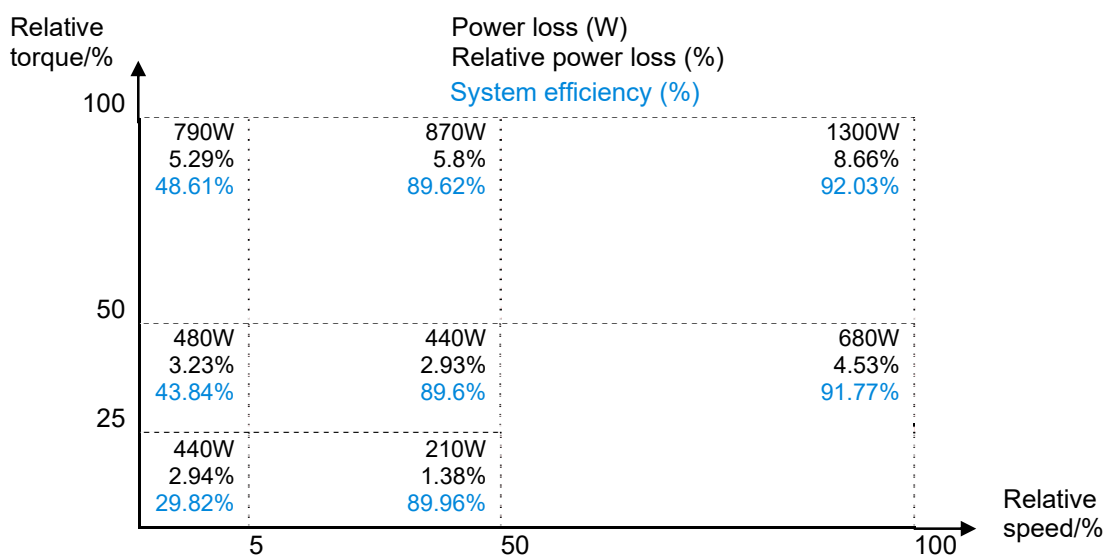
System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI15D-30CDXS2A1A
Drive model name:	VFD150CP43_
System efficiency:	92.03%

Data	Motor	Drive
Rated power output (kW)	15	15
Apparent output power (kVA)	17.6	25.5
Rated supply voltage (V)	380	380-480
Rated output current (A)	27.5	32
Rated supply frequency (Hz)	150	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	27.1



Energy Efficiency Report

System efficiency according to IEC 61800-9-2

System efficiency level:

IES2

Series:	MSI & CP2000
Motor model name:	MSI22D-30CDXS2A1A
Drive model name:	VFD220CP43_
System efficiency:	94.01%

Data	Motor	Drive
Rated power output (kW)	22	22
Apparent output power (kVA)	25.7	35.9
Rated supply voltage (V)	380	380-480
Rated output current (A)	42	45
Rated supply frequency (Hz)	200	50/60
Maximum operating temperature (°C)	40	40
Nominal power factor (PF)	0.9	N/A
Nominal speed (RPM)	3000	N/A
Standby loss (W)	N/A	29.7

