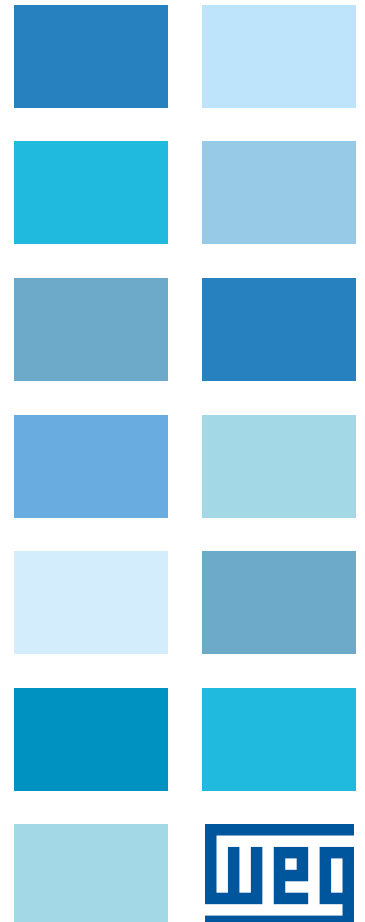


Energy Efficiency Certificate

ADV200-WA-4

Language: English



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We will be glad to receive any possible information which could help us improving this manual.
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ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-1015-KBX-4

IE2

EFFICIENCY:

95.7%

Code

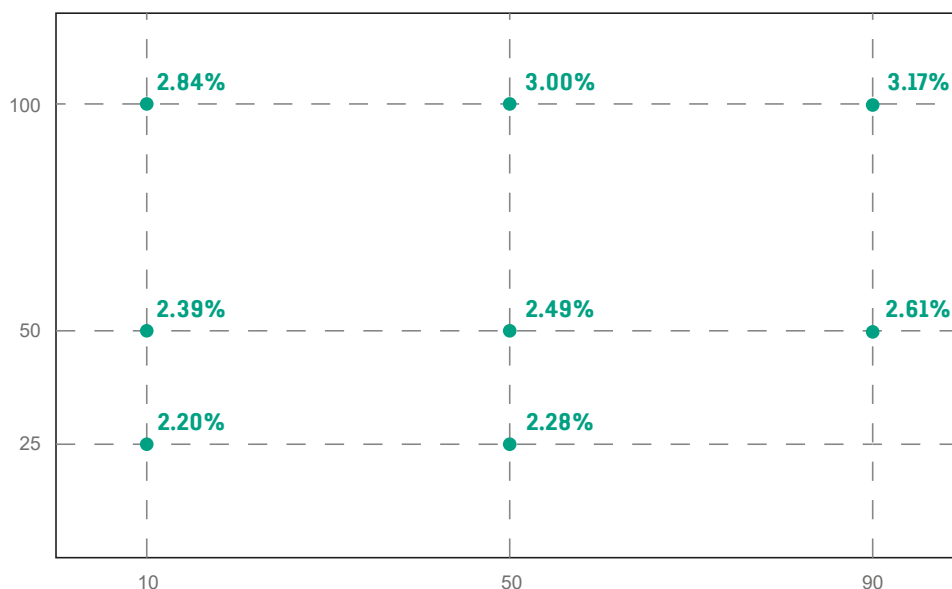
S9001W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	1.5
Nominal current	(A)	4.3
Nominal apparent power	(kVA)	2.8
Standby loss	(W)	8
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.17%	88.82	95.7%
90	50	2.61%	72.95	95.1%
50	100	3.00%	83.95	92.9%
50	50	2.49%	69.86	91.8%
50	25	2.28%	63.90	90.9%
10	100	2.84%	79.65	73.5%
10	50	2.39%	67.05	70.1%
10	25	2.20%	61.70	67.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-1022-KBX-4

IE2

EFFICIENCY:

96.0%

Code

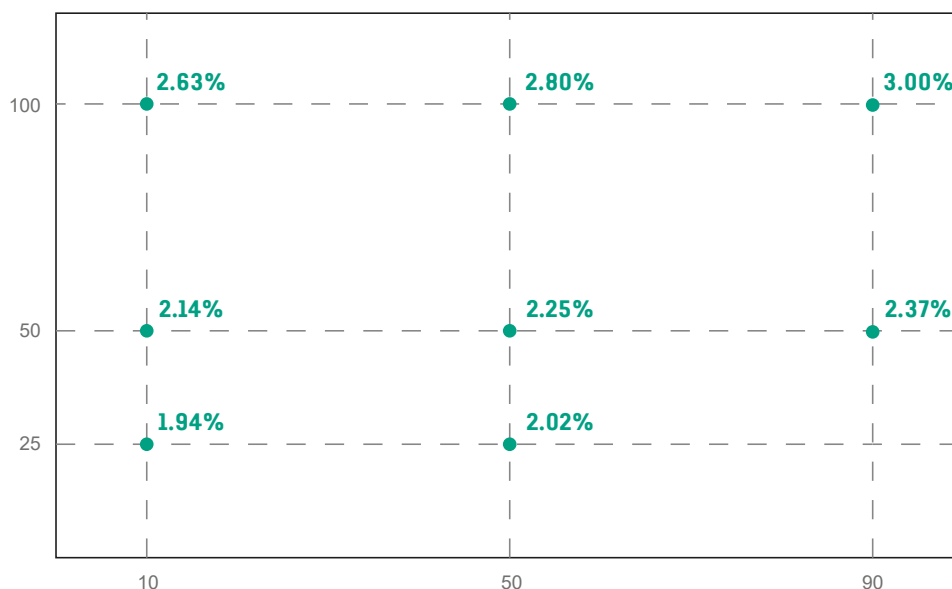
S9002W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	2.2
Nominal current	(A)	5.8
Nominal apparent power	(kVA)	3.8
Standby loss	(W)	10
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.00%	113.30	96.0%
90	50	2.37%	89.63	95.5%
50	100	2.80%	105.87	93.4%
50	50	2.25%	85.02	92.6%
50	25	2.02%	76.35	91.9%
10	100	2.63%	99.49	75.0%
10	50	2.14%	80.94	72.4%
10	25	1.94%	73.18	70.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-1030-KBX-4

IE2

EFFICIENCY:

96.3%

Code

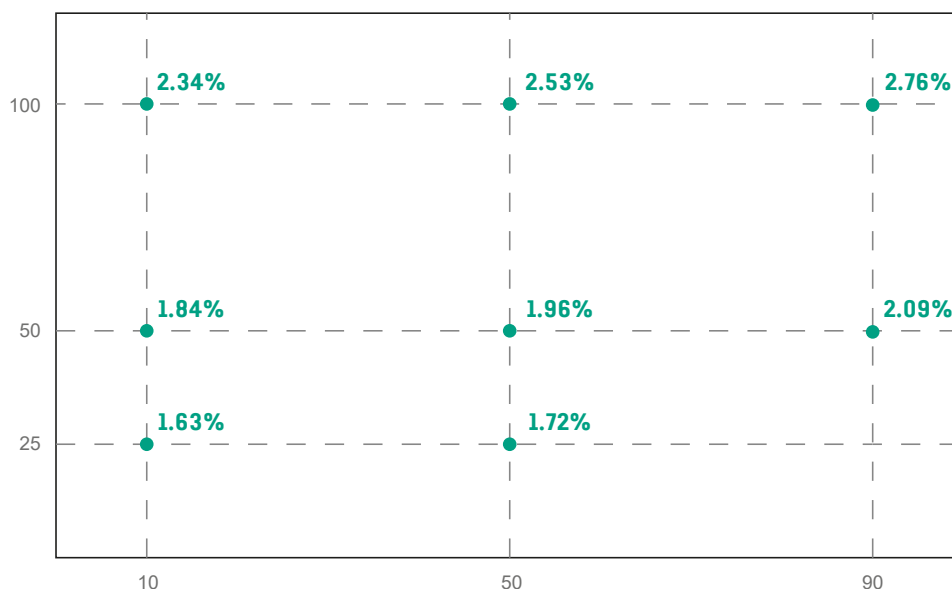
S9003W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	3
Nominal current	(A)	7.6
Nominal apparent power	(kVA)	5
Standby loss	(W)	12
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.76%	136.37	96.3%
90	50	2.09%	103.61	96.0%
50	100	2.53%	125.31	94.0%
50	50	1.96%	96.90	93.5%
50	25	1.72%	85.31	93.0%
10	100	2.34%	116.05	77.1%
10	50	1.84%	91.10	75.3%
10	25	1.63%	80.85	73.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-1040-KBX-4

IE2

EFFICIENCY:

95.9%

Code

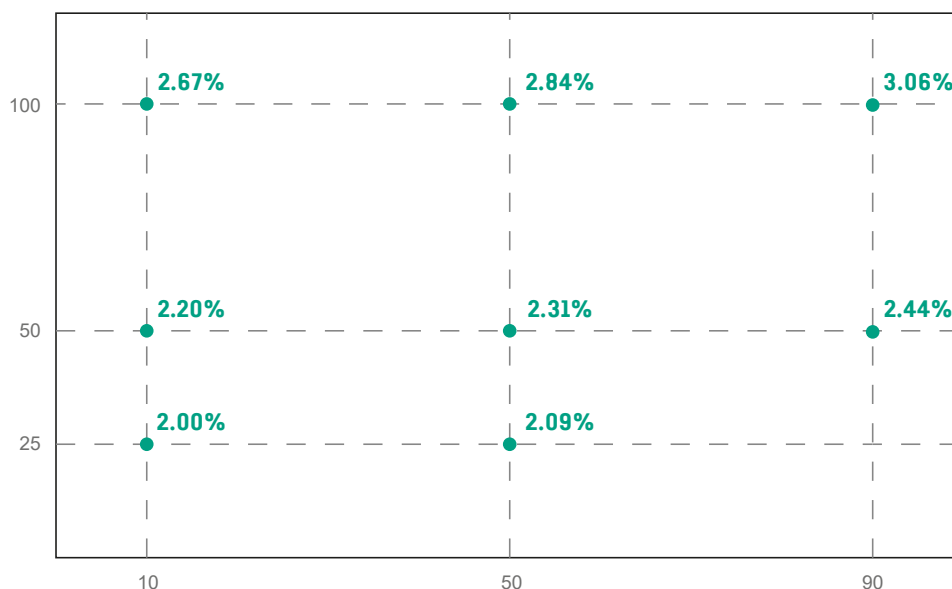
S9004W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	4
Nominal current	(A)	9.5
Nominal apparent power	(kVA)	6.2
Standby loss	(W)	17
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.06%	189.33	95.9%
90	50	2.44%	151.21	95.4%
50	100	2.84%	175.96	93.3%
50	50	2.31%	142.89	92.4%
50	25	2.09%	129.15	91.6%
10	100	2.67%	165.39	74.7%
10	50	2.20%	135.98	71.8%
10	25	2.00%	123.72	69.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-1055-KBX-4

IE2

EFFICIENCY:

96.6%

Code

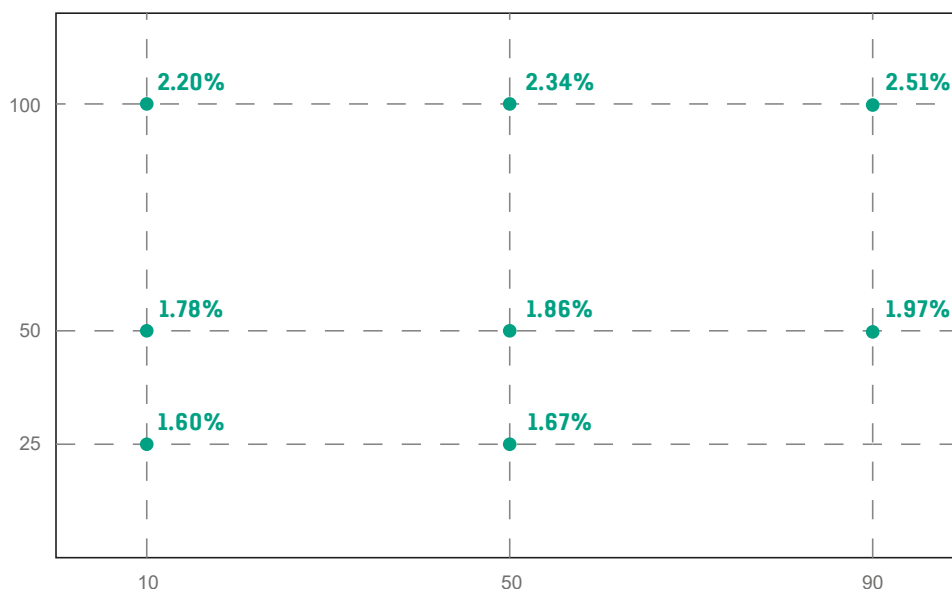
S9005W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	5.5
Nominal current	(A)	13
Nominal apparent power	(kVA)	8.5
Standby loss	(W)	19
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.51%	212.76	96.6%
90	50	1.97%	166.81	96.2%
50	100	2.34%	198.15	94.4%
50	50	1.86%	157.89	93.8%
50	25	1.67%	141.12	93.2%
10	100	2.20%	186.55	78.2%
10	50	1.78%	150.49	75.9%
10	25	1.60%	135.38	74.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-2075-KBX-4

IE2

EFFICIENCY:

96.8%

Code

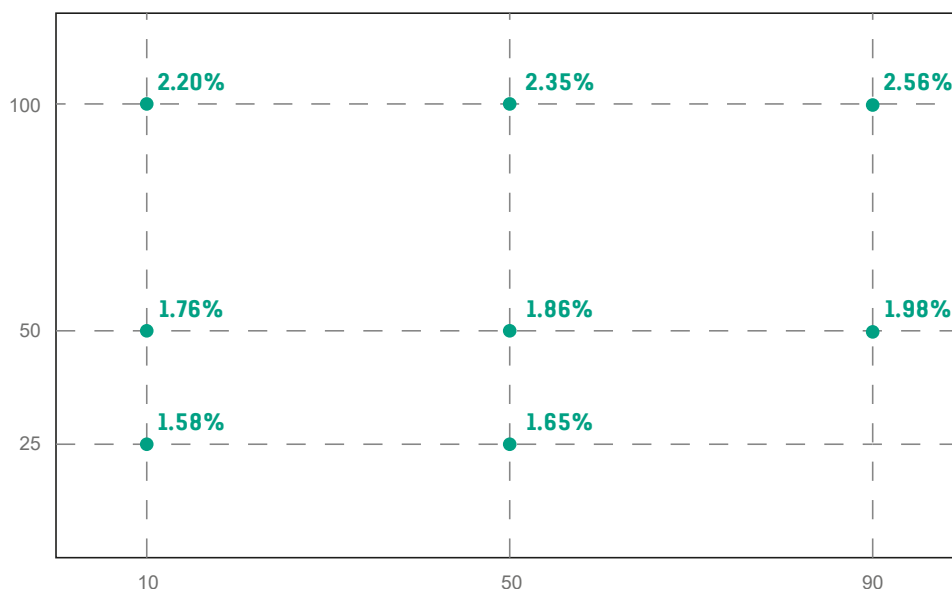
S9006W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	7.5
Nominal current	(A)	16.5
Nominal apparent power	(kVA)	10.75
Standby loss	(W)	25
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.56%	275.32	96.8%
90	50	1.98%	213.19	96.5%
50	100	2.35%	252.95	94.8%
50	50	1.86%	199.79	94.2%
50	25	1.65%	177.44	93.7%
10	100	2.20%	236.63	79.4%
10	50	1.76%	189.44	77.4%
10	25	1.58%	169.44	75.8%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-2110-KBX-4**

IE2 EFFICIENCY: **96.8%**

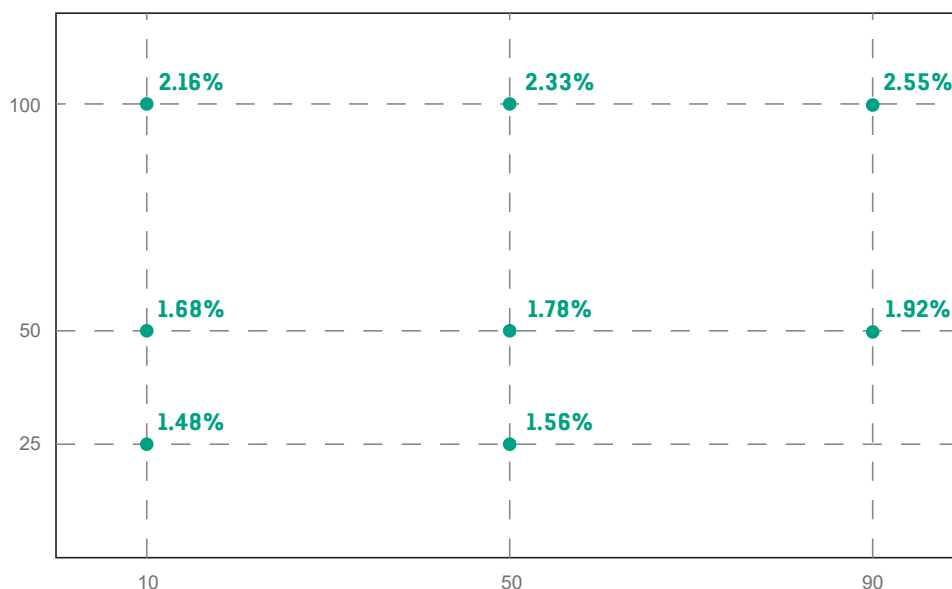
Code **S9007W**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	11
Nominal current	(A)	23
Nominal apparent power	(kVA)	15
Standby loss	(W)	35
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.55%	382.47	96.8%
90	50	1.92%	287.31	96.6%
50	100	2.33%	348.32	94.8%
50	50	1.78%	267.13	94.4%
50	25	1.56%	233.52	94.1%
10	100	2.16%	323.73	79.7%
10	50	1.68%	251.78	78.2%
10	25	1.48%	221.75	76.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-2150-KBX-4

IE2

EFFICIENCY:

97.1%

Code

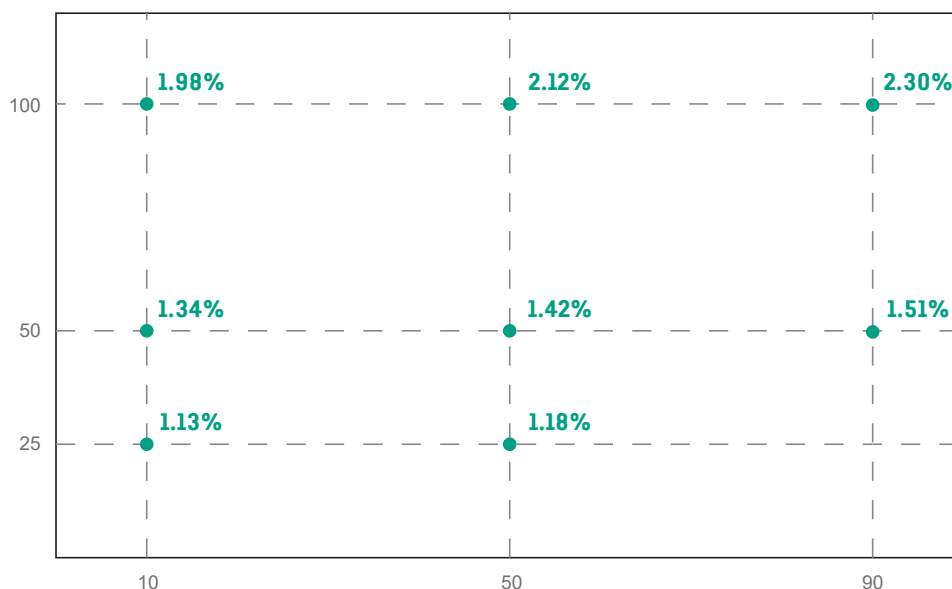
S9008W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	15
Nominal current	(A)	31
Nominal apparent power	(kVA)	20.2
Standby loss	(W)	42
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.30%	464.35	97.1%
90	50	1.51%	303.86	96.8%
50	100	2.12%	428.53	95.2%
50	50	1.42%	286.48	94.7%
50	25	1.18%	238.31	94.2%
10	100	1.98%	399.41	81.1%
10	50	1.34%	271.52	79.1%
10	25	1.13%	227.79	77.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-3185-KBX-4

IE2

EFFICIENCY:

97.1%

Code

S9009W

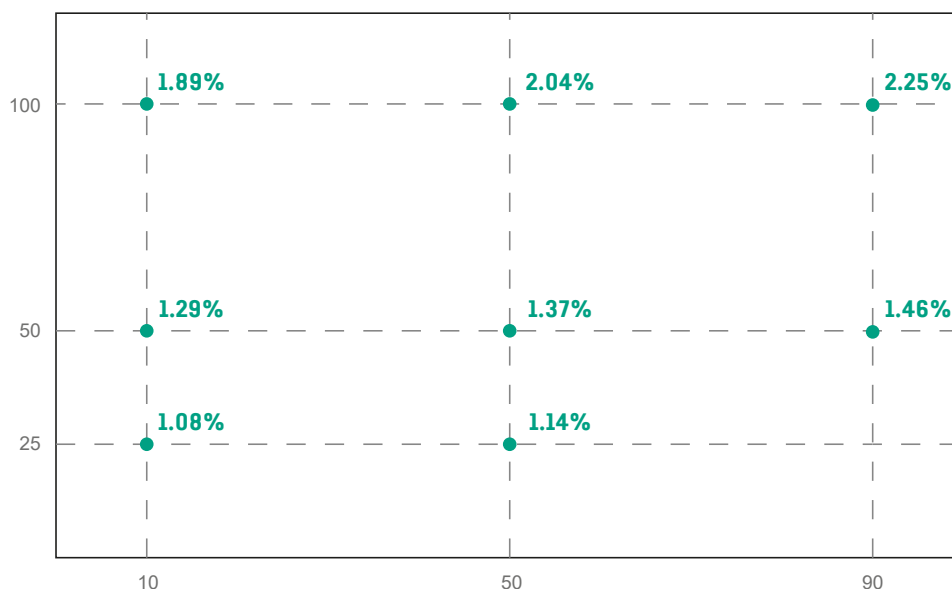
R9009W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	18.5
Nominal current	(A)	38
Nominal apparent power	(kVA)	24.8
Standby loss	(W)	51
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.25%	556.49	97.1%
90	50	1.46%	362.28	96.9%
50	100	2.04%	505.43	95.4%
50	50	1.37%	338.40	94.9%
50	25	1.14%	281.43	94.4%
10	100	1.89%	467.02	81.8%
10	50	1.29%	319.08	79.8%
10	25	1.08%	267.99	77.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-3220-KBX-4

IE2

EFFICIENCY:

97.1%

Code

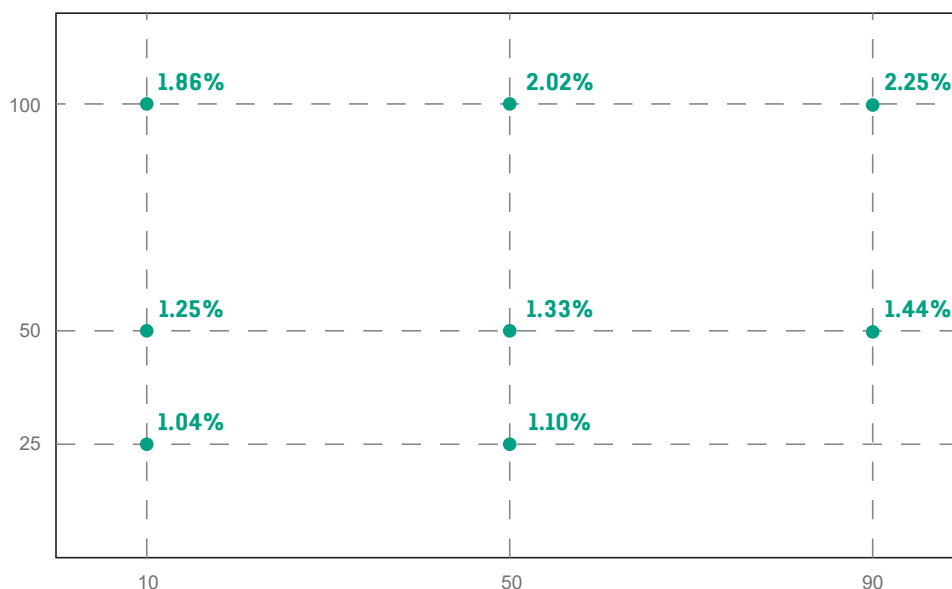
S9010W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	22
Nominal current	(A)	46
Nominal apparent power	(kVA)	30
Standby loss	(W)	61
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.25%	672.58	97.1%
90	50	1.44%	430.26	97.0%
50	100	2.02%	605.36	95.5%
50	50	1.33%	399.43	95.0%
50	25	1.10%	329.24	94.6%
10	100	1.86%	557.29	82.0%
10	50	1.25%	375.49	80.3%
10	25	1.04%	312.67	78.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-3300-KBX-4

IE2

EFFICIENCY:

97.2%

Code

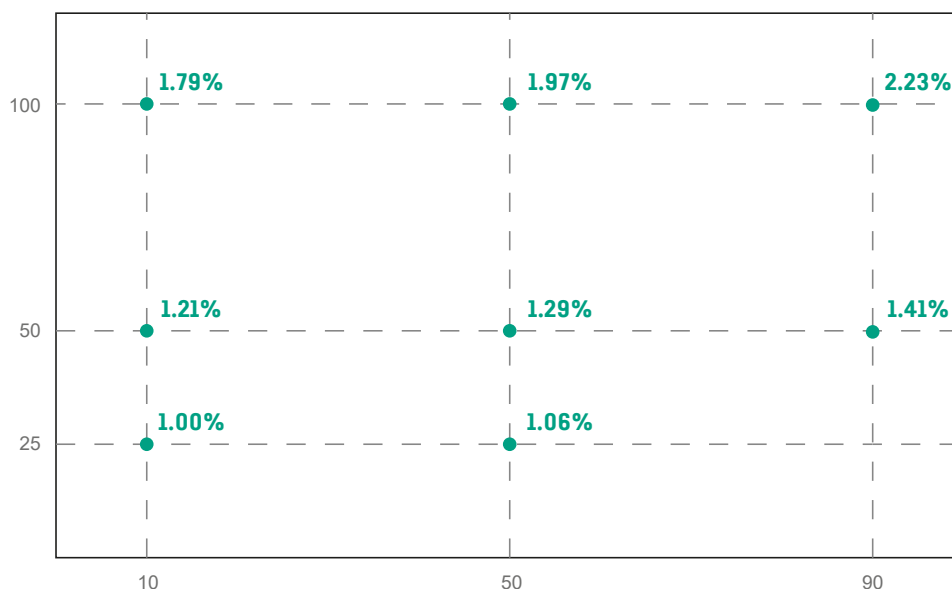
S9011W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.23%	898.66	97.2%
90	50	1.41%	567.48	97.0%
50	100	1.97%	794.09	95.6%
50	50	1.29%	520.90	95.2%
50	25	1.06%	427.00	94.8%
10	100	1.79%	724.63	82.6%
10	50	1.21%	486.96	80.9%
10	25	1.00%	403.72	79.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-4370-KBX-4

IE2

EFFICIENCY:

97.4%

Code

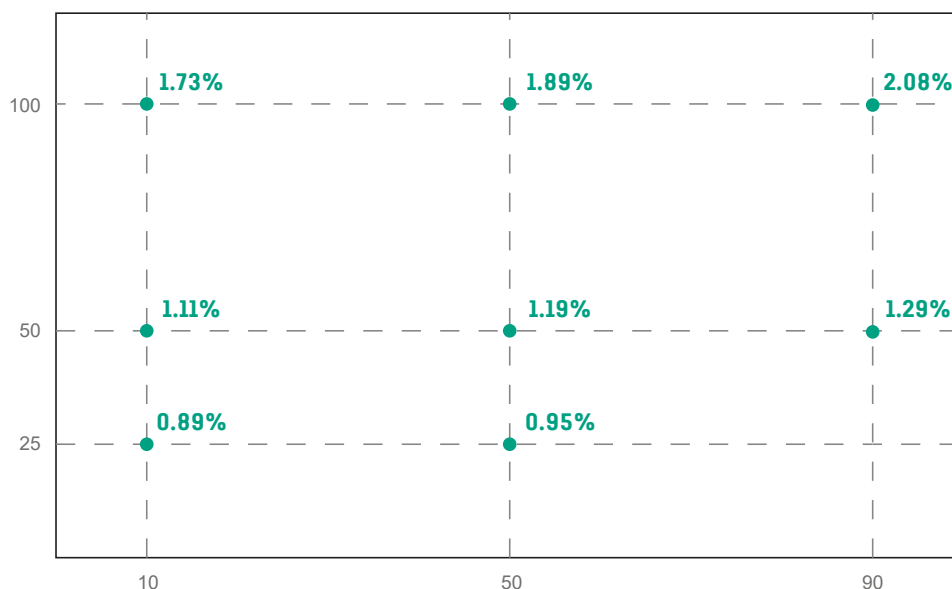
S9013W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	92
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,014.52	97.4%
90	50	1.29%	629.09	97.2%
50	100	1.89%	922.46	95.7%
50	50	1.19%	582.96	95.4%
50	25	0.95%	465.87	94.9%
10	100	1.73%	845.39	83.1%
10	50	1.11%	541.86	81.6%
10	25	0.89%	437.11	80.0%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4450-KBX-4**

IE2 EFFICIENCY: **97.3%**

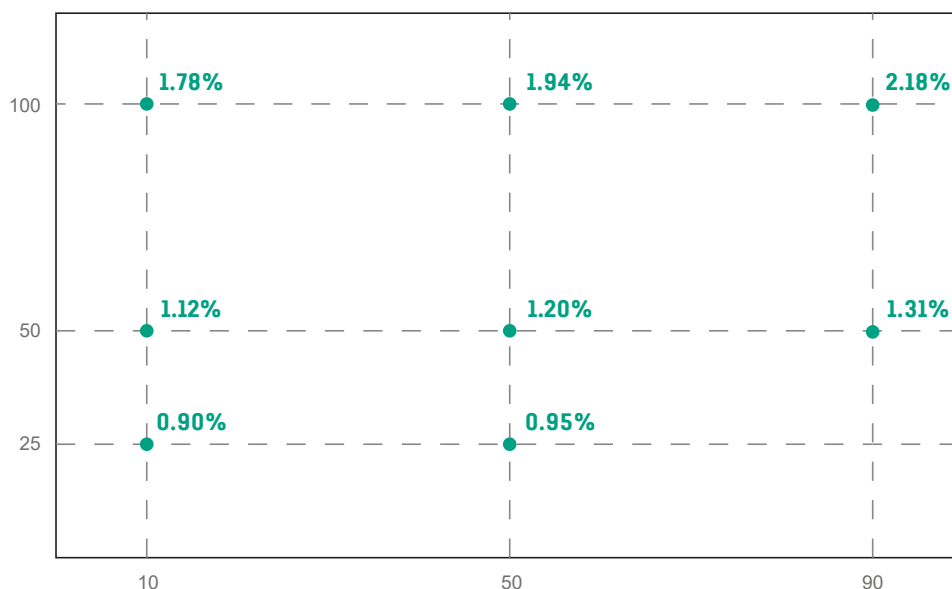
Code **S9015W**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	112
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	1,233.21	97.3%
90	50	1.31%	740.27	97.2%
50	100	1.94%	1,100.91	95.7%
50	50	1.20%	680.91	95.4%
50	25	0.95%	538.75	95.0%
10	100	1.78%	1,006.72	82.9%
10	50	1.12%	634.38	81.7%
10	25	0.90%	507.29	80.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-4550-KBX-4

IE2

EFFICIENCY:

97.4%

Code

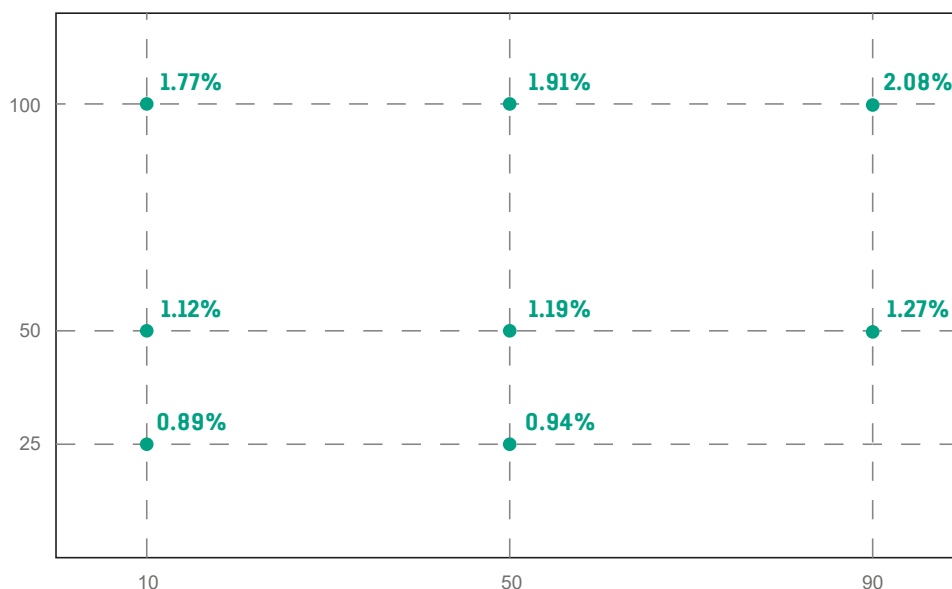
S9017W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	130
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,425.29	97.4%
90	50	1.27%	870.69	97.2%
50	100	1.91%	1,306.22	95.7%
50	50	1.19%	813.19	95.4%
50	25	0.94%	641.89	95.1%
10	100	1.77%	1,211.37	82.9%
10	50	1.12%	763.84	81.7%
10	25	0.89%	607.72	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-5750-KBX-4

IE2

EFFICIENCY:

97.3%

Code

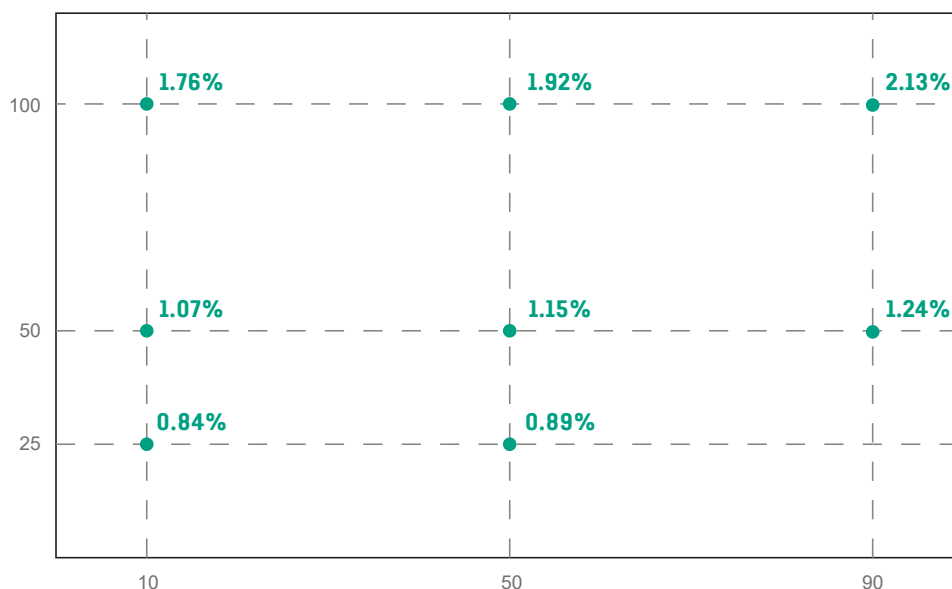
S9019W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	189
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.13%	2,077.02	97.3%
90	50	1.24%	1,215.61	97.3%
50	100	1.92%	1,873.85	95.7%
50	50	1.15%	1,121.67	95.6%
50	25	0.89%	868.71	95.3%
10	100	1.76%	1,721.23	83.0%
10	50	1.07%	1,044.72	82.3%
10	25	0.84%	816.19	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-4370-KXX-4

IE2

EFFICIENCY:

97.4%

Code

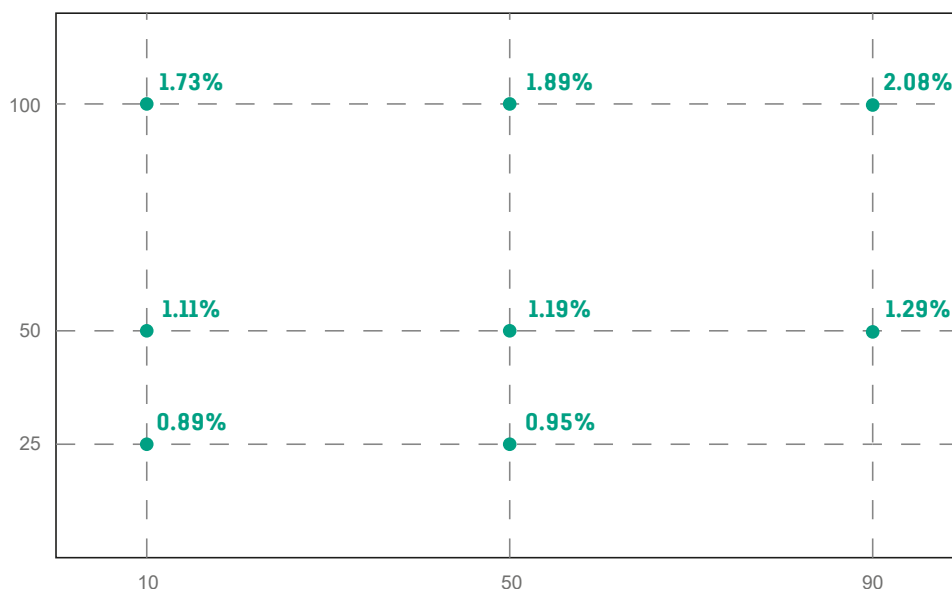
S9012W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	92
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,014.52	97.4%
90	50	1.29%	629.09	97.2%
50	100	1.89%	922.46	95.7%
50	50	1.19%	582.96	95.4%
50	25	0.95%	465.87	94.9%
10	100	1.73%	845.39	83.1%
10	50	1.11%	541.86	81.6%
10	25	0.89%	437.11	80.0%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-4450-KXX-4

IE2

EFFICIENCY:

97.3%

Code

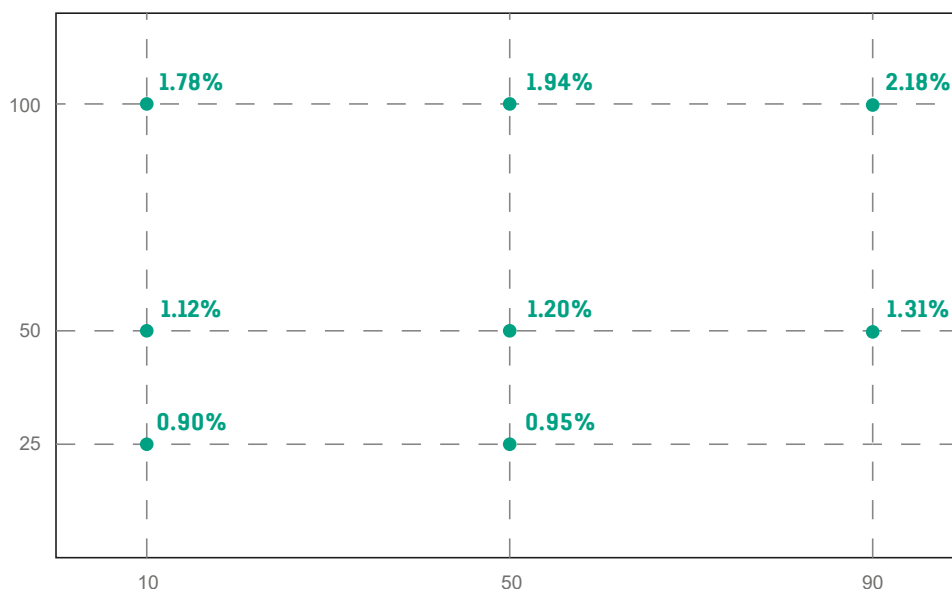
S9014W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	112
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	1,233.21	97.3%
90	50	1.31%	740.27	97.2%
50	100	1.94%	1,100.91	95.7%
50	50	1.20%	680.91	95.4%
50	25	0.95%	538.75	95.0%
10	100	1.78%	1,006.72	82.9%
10	50	1.12%	634.38	81.7%
10	25	0.90%	507.29	80.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-4550-KXX-4

IE2

EFFICIENCY:

97.4%

Code

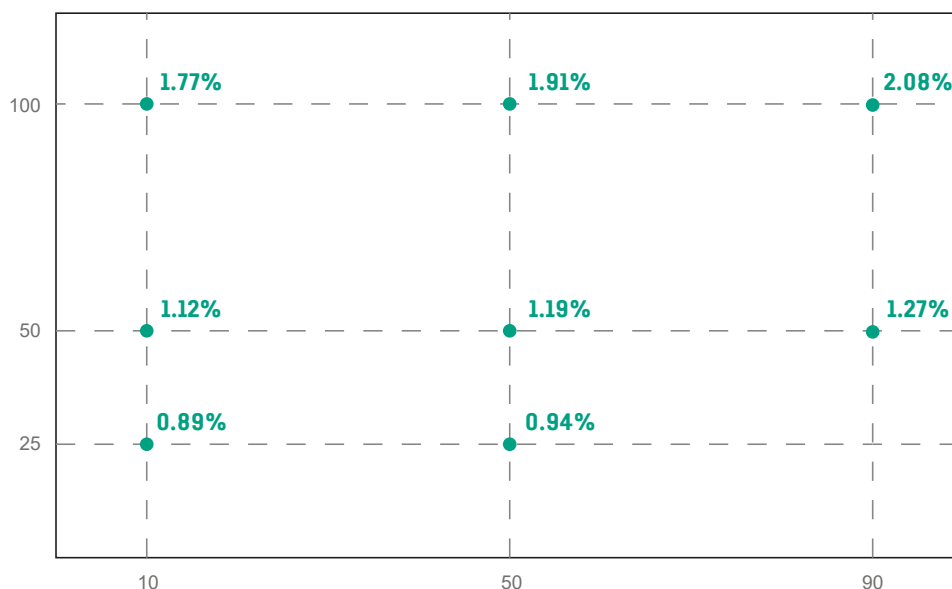
S9016W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	130
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,425.29	97.4%
90	50	1.27%	870.69	97.2%
50	100	1.91%	1,306.22	95.7%
50	50	1.19%	813.19	95.4%
50	25	0.94%	641.89	95.1%
10	100	1.77%	1,211.37	82.9%
10	50	1.12%	763.84	81.7%
10	25	0.89%	607.72	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-5750-KXX-4

IE2

EFFICIENCY:

97.3%

Code

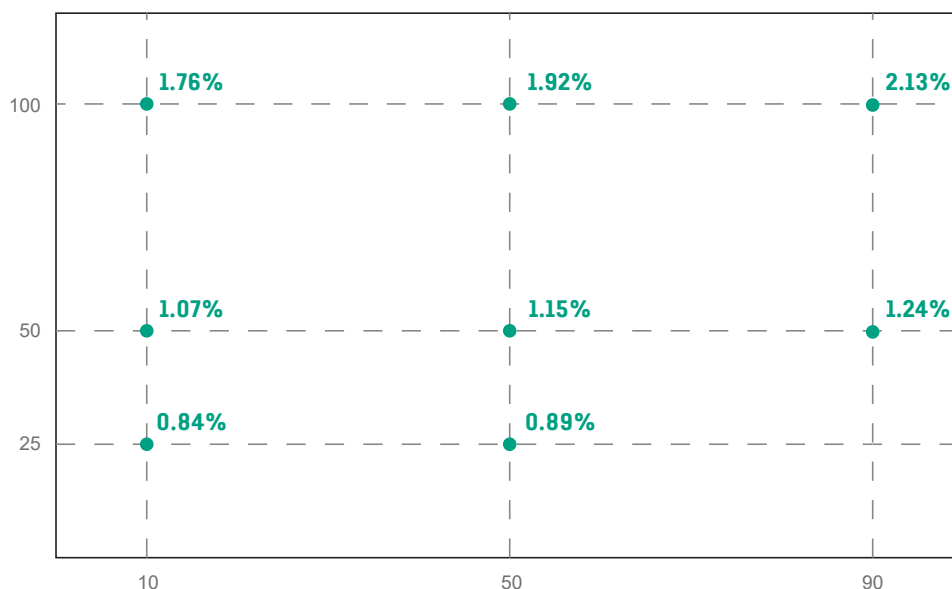
S9018W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	189
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.13%	2,077.02	97.3%
90	50	1.24%	1,215.61	97.3%
50	100	1.92%	1,873.85	95.7%
50	50	1.15%	1,121.67	95.6%
50	25	0.89%	868.71	95.3%
10	100	1.76%	1,721.23	83.0%
10	50	1.07%	1,044.72	82.3%
10	25	0.84%	816.19	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-5900-KXX-4

IE2

EFFICIENCY:

97.3%

Code

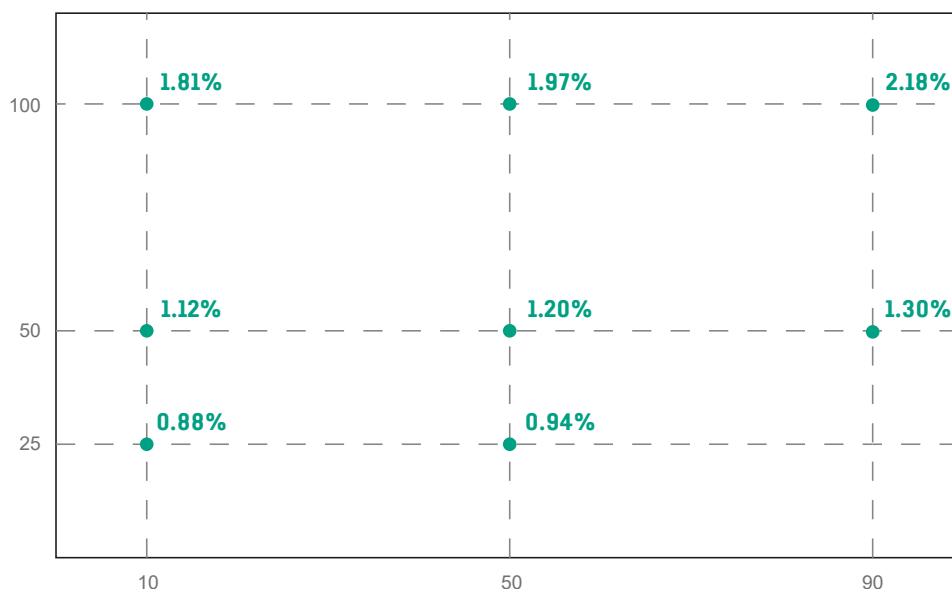
S9020W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	90
Nominal current	(A)	180
Nominal apparent power	(kVA)	117.2
Standby loss	(W)	233
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	2,560.010	97.3%
90	50	1.30%	1,523.24	97.2%
50	100	1.97%	2,305.59	95.6%
50	50	1.20%	1,406.94	95.4%
50	25	0.94%	1,097.33	95.1%
10	100	1.81%	2,117.90	82.6%
10	50	1.12%	1,313.08	81.7%
10	25	0.88%	1,033.50	80.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-51100-KXX-4

IE2

EFFICIENCY:

97.5%

Code

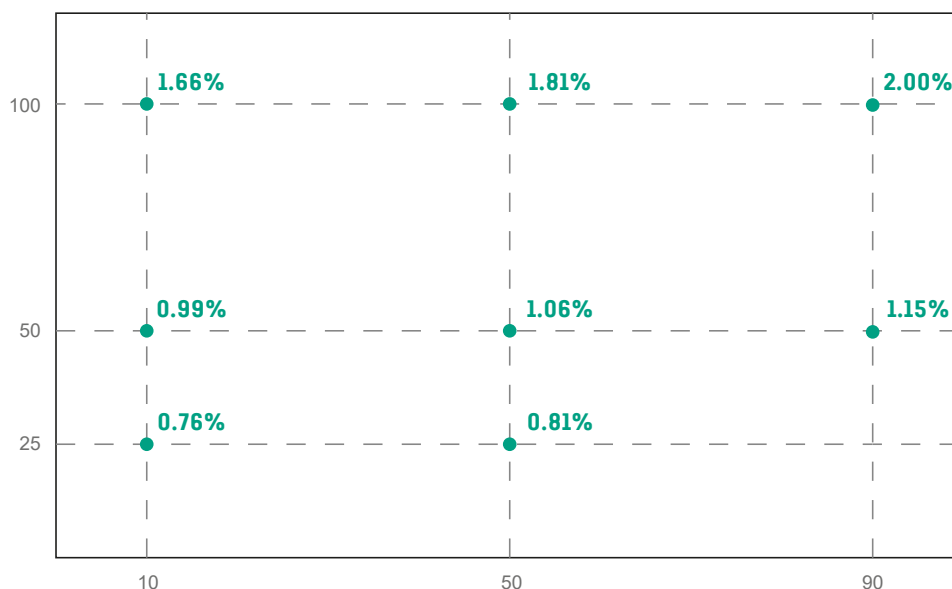
S9021W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	110
Nominal current	(A)	210
Nominal apparent power	(kVA)	136.8
Standby loss	(W)	250
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.00%	2,729.58	97.5%
90	50	1.15%	1,572.72	97.5%
50	100	1.81%	2,471.35	96.0%
50	50	1.06%	1,452.39	95.9%
50	25	0.81%	1,112.86	95.7%
10	100	1.66%	2,272.56	83.8%
10	50	0.99%	1,352.05	83.5%
10	25	0.76%	1,044.33	82.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-61320-KXX-4

IE2

EFFICIENCY:

97.9%

Code

S9022W

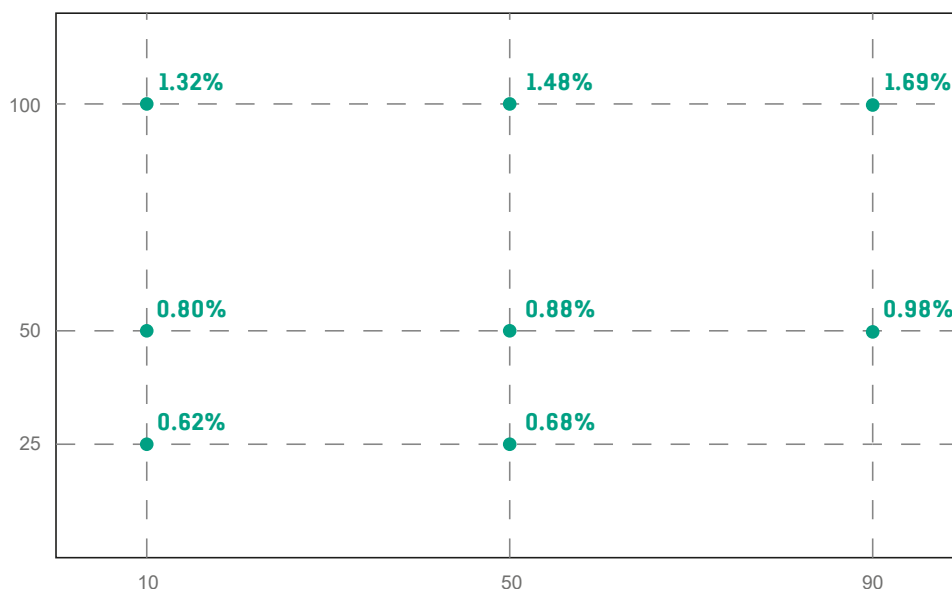
R9022W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	132
Nominal current	(A)	250
Nominal apparent power	(kVA)	162.8
Standby loss	(W)	250
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	2,744.30	97.9%
90	50	0.98%	1,591.12	97.9%
50	100	1.48%	2,403.95	96.7%
50	50	0.88%	1,431.91	96.6%
50	25	0.68%	1,104.65	96.4%
10	100	1.32%	2,147.84	86.7%
10	50	0.80%	1,301.04	86.2%
10	25	0.62%	1,014.75	85.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-61600-KXX-4

IE2

EFFICIENCY:

97.9%

Code

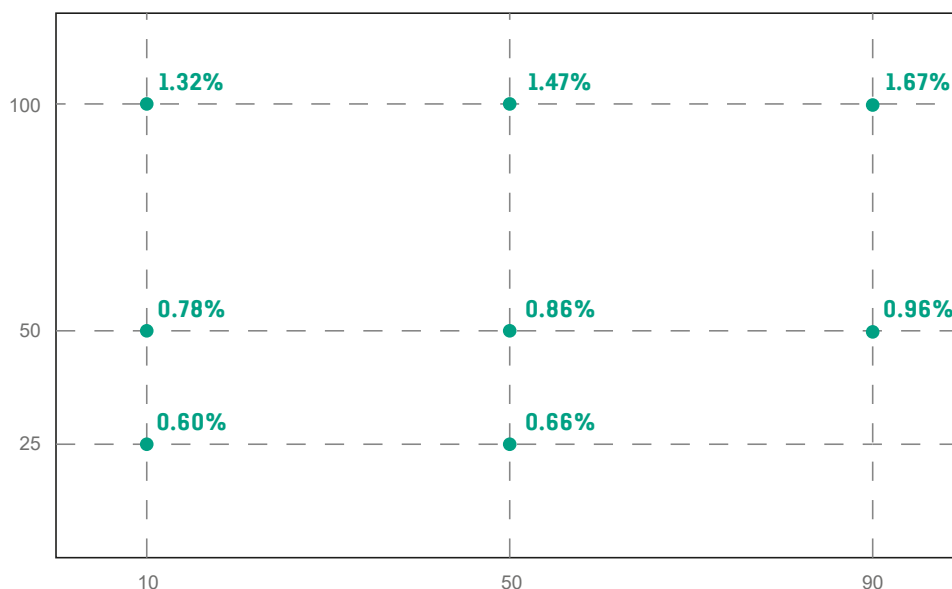
S9023W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	160
Nominal current	(A)	300
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	297
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.67%	3,268.18	97.9%
90	50	0.96%	1,866.06	97.9%
50	100	1.47%	2,874.24	96.7%
50	50	0.86%	1,679.88	96.7%
50	25	0.66%	1,284.51	96.5%
10	100	1.32%	2,571.29	86.7%
10	50	0.78%	1,524.30	86.5%
10	25	0.60%	1,177.41	85.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-72000-KXX-4

IE2

EFFICIENCY:

98.0%

Code

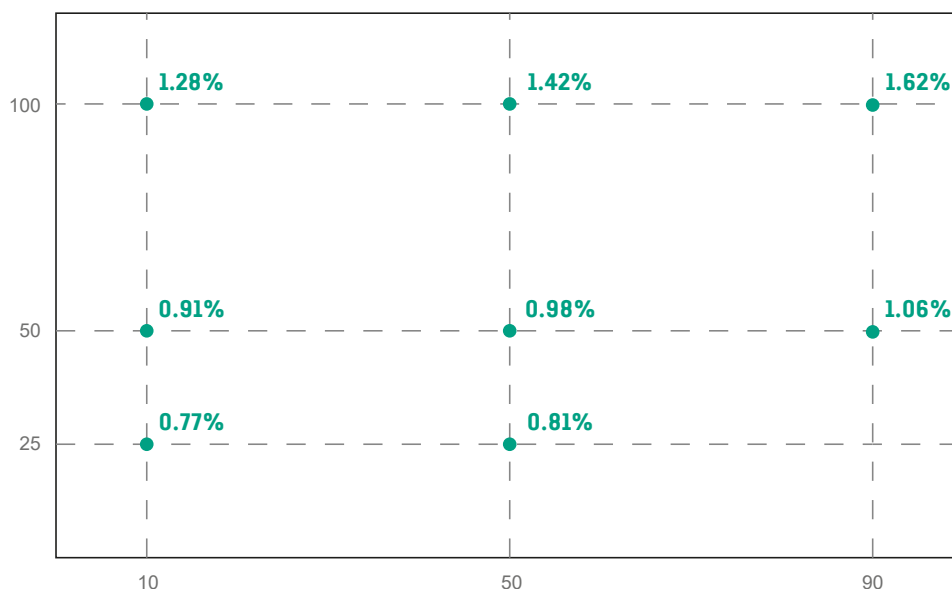
S9024W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	200
Nominal current	(A)	385
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	369
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	4,064.68	98.0%
90	50	1.06%	2,666.06	97.6%
50	100	1.42%	3,570.97	96.8%
50	50	0.98%	2,448.46	96.1%
50	25	0.81%	2,034.58	95.4%
10	100	1.28%	3,208.51	87.2%
10	50	0.91%	2,272.01	84.3%
10	25	0.77%	1,918.83	81.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-72500-KXX-4

IE2

EFFICIENCY:

97.9%

Code

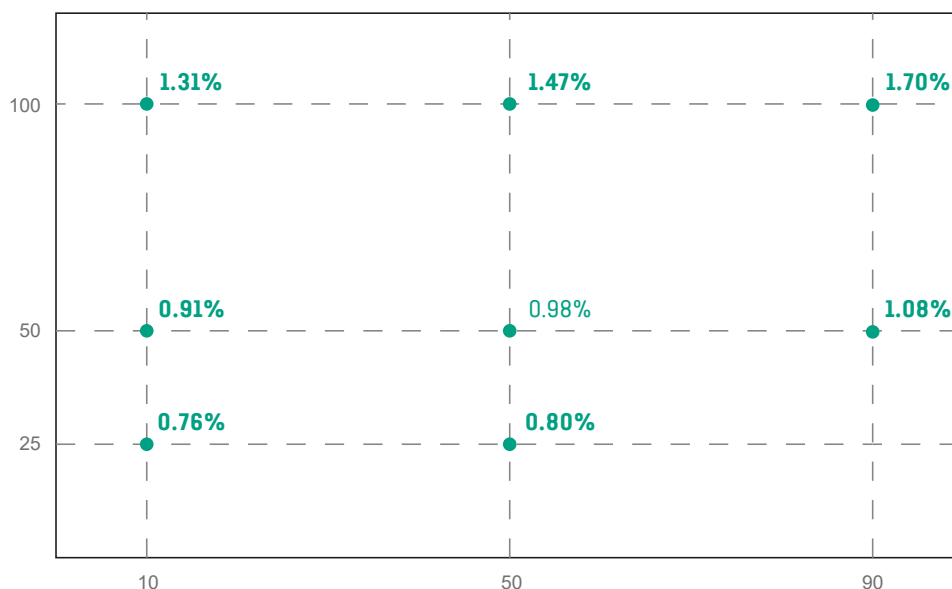
S9025W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	250
Nominal current	(A)	460
Nominal apparent power	(kVA)	300
Standby loss	(W)	464
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.70%	5,102.33	97.9%
90	50	1.08%	3,240.77	97.6%
50	100	1.47%	4,401.58	96.7%
50	50	0.98%	2,945.42	96.1%
50	25	0.80%	2,409.42	95.5%
10	100	1.31%	3,920.37	86.9%
10	50	0.91%	2,718.92	84.3%
10	25	0.76%	2,263.24	81.8%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-73150-KXX-4

IE2

EFFICIENCY:

98.0%

Code

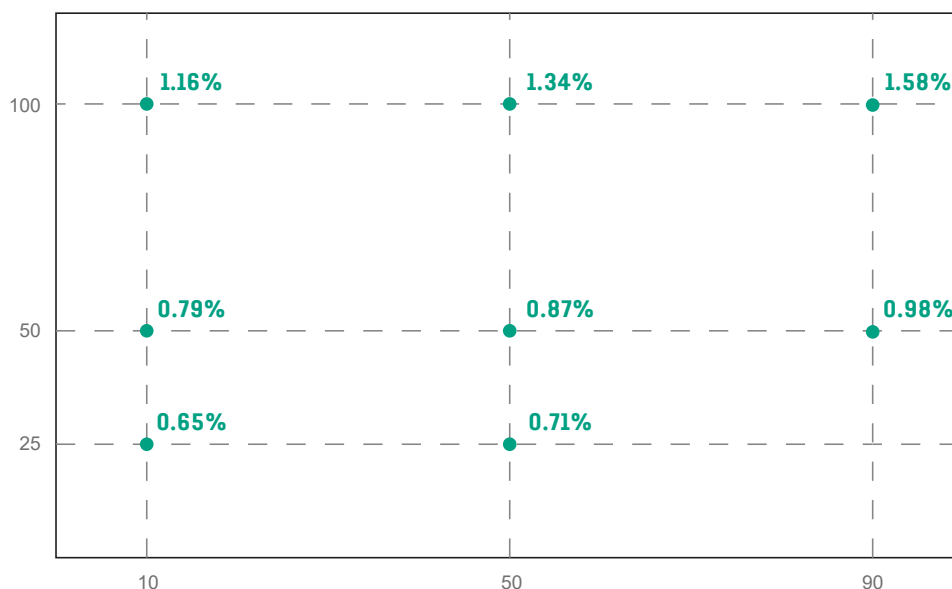
S9026W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	315
Nominal current	(A)	590
Nominal apparent power	(kVA)	384.2
Standby loss	(W)	551
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.58%	6,060.92	98.0%
90	50	0.98%	3,759.27	97.8%
50	100	1.34%	5,132.83	97.0%
50	50	0.87%	3,360.33	96.5%
50	25	0.71%	2,712.92	96.0%
10	100	1.16%	4,476.26	88.2%
10	50	0.79%	3,046.55	86.0%
10	25	0.65%	2,508.89	83.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-73550-KXX-4

IE2

EFFICIENCY:

98.0%

Code

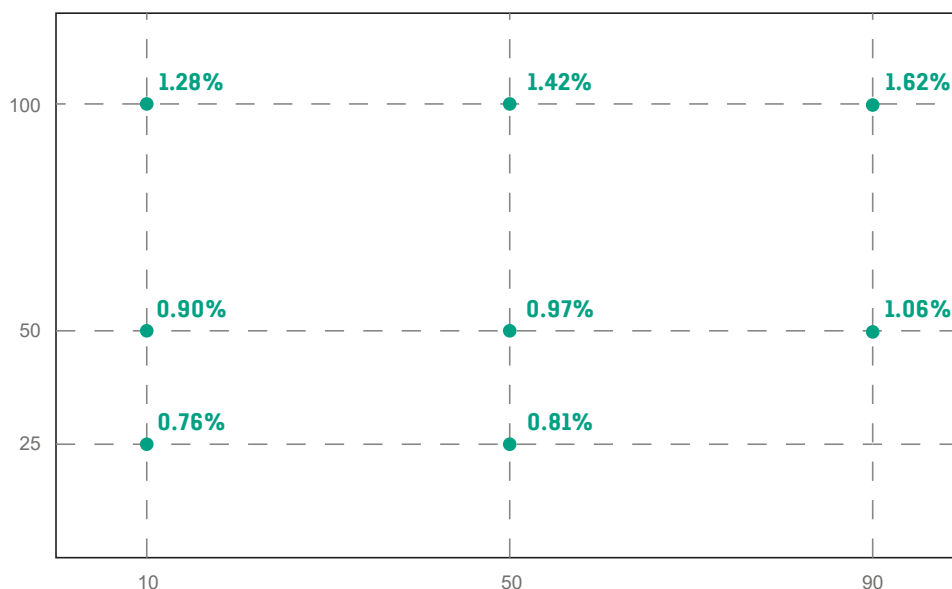
S9027W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	623
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	6,857.07	98.0%
90	50	1.06%	4,484.69	97.6%
50	100	1.42%	6,024.15	96.8%
50	50	0.97%	4,120.51	96.2%
50	25	0.81%	3,417.56	95.5%
10	100	1.28%	5,421.67	87.2%
10	50	0.90%	3,828.59	84.3%
10	25	0.76%	3,226.50	81.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type

ADV200-WA-74000-KXX-4

IE2

EFFICIENCY:

98.0%

Code

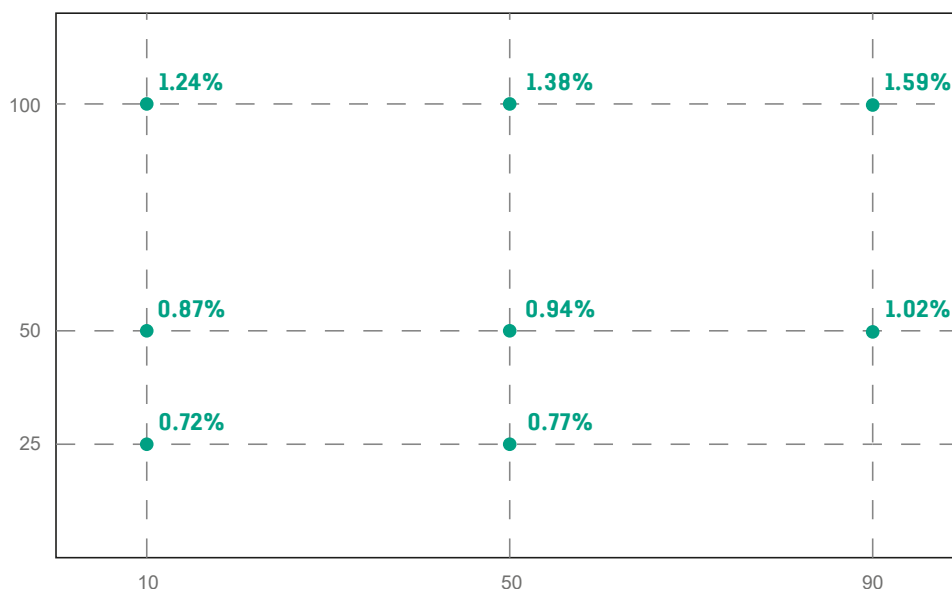
S9028W

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3220-KXX-4-DC**

IE2 EFFICIENCY: **97.7%**

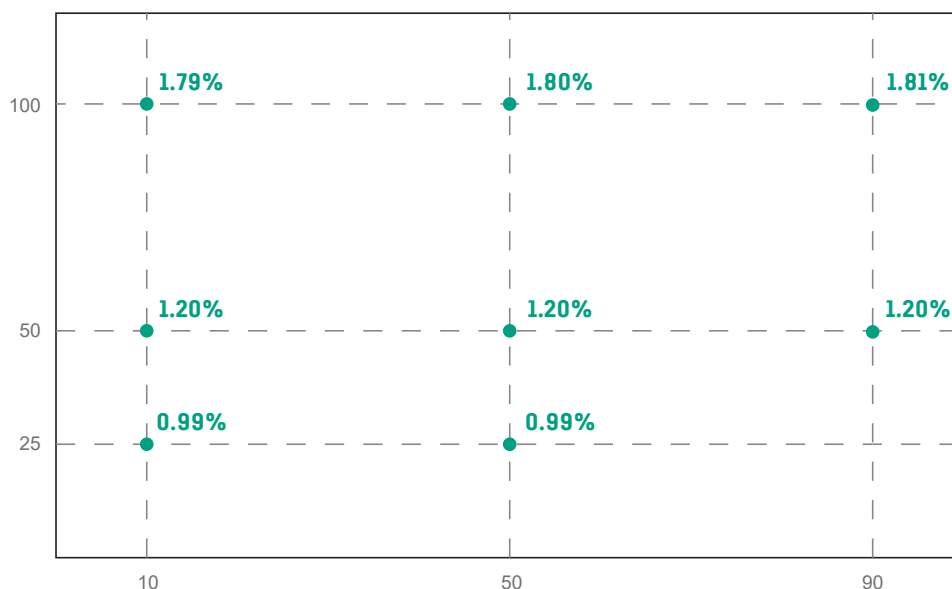
Code **S9010WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	22
Nominal current	(A)	46
Nominal apparent power	(kVA)	30
Standby loss	(W)	49
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.81%	540.83	97.7%
90	50	1.20%	358.04	97.5%
50	100	1.80%	538.80	95.9%
50	50	1.20%	358.28	95.5%
50	25	0.99%	296.40	95.1%
10	100	1.79%	536.77	82.6%
10	50	1.20%	358.53	81.0%
10	25	0.99%	296.99	79.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KXX-4-DC**

IE2 EFFICIENCY: **97.8%**

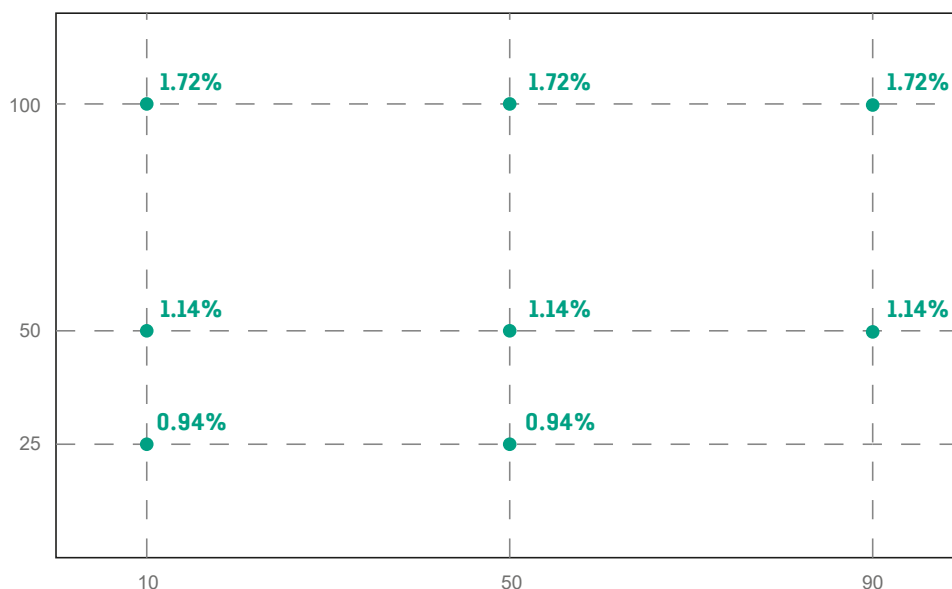
Code **S9011WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.72%	694.74	97.8%
90	50	1.14%	458.86	97.6%
50	100	1.72%	694.30	96.1%
50	50	1.14%	460.01	95.7%
50	25	0.94%	378.43	95.3%
10	100	1.72%	693.86	83.2%
10	50	1.14%	461.16	81.7%
10	25	0.94%	379.69	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4370-KXX-4-DC**

IE2 EFFICIENCY: **97.9%**

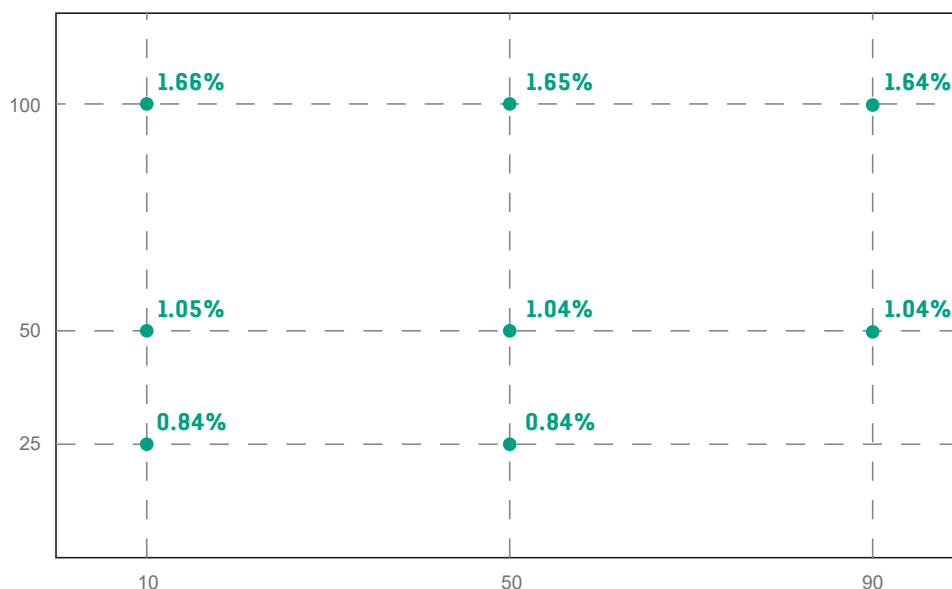
Code **S9012WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	73
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.64%	802.64	97.9%
90	50	1.04%	507.46	97.7%
50	100	1.65%	805.67	96.3%
50	50	1.04%	510.09	95.9%
50	25	0.84%	408.66	95.5%
10	100	1.66%	808.71	83.7%
10	50	1.05%	512.72	82.4%
10	25	0.84%	410.80	80.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4450-KXX-4-DC**

IE2 EFFICIENCY: **97.9%**

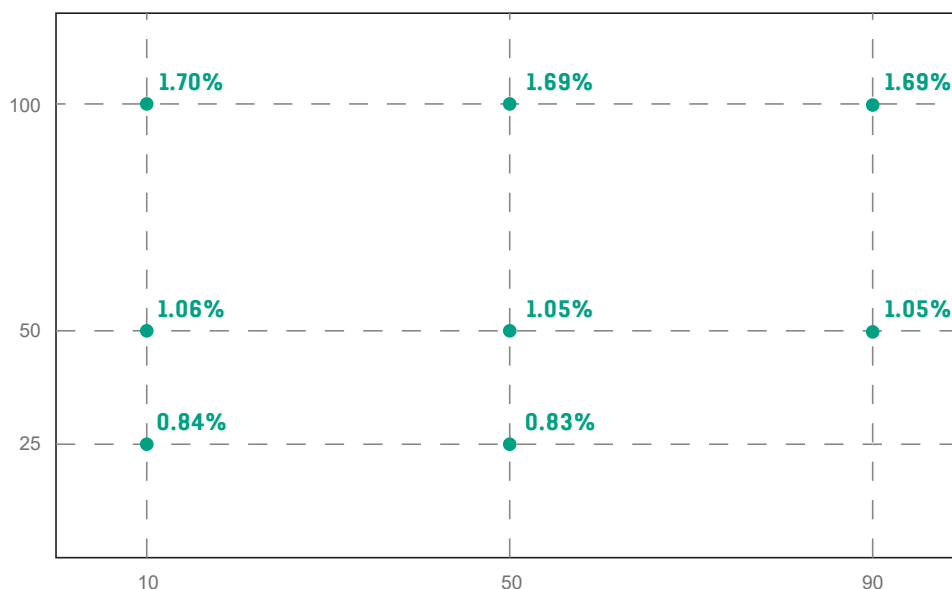
Code **S9013WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	87
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	957.16	97.9%
90	50	1.05%	593.16	97.7%
50	100	1.69%	960.26	96.2%
50	50	1.05%	596.09	96.0%
50	25	0.83%	472.43	95.6%
10	100	1.70%	963.35	83.5%
10	50	1.06%	599.02	82.5%
10	25	0.84%	474.87	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4550-KXX-4-DC**

IE2 EFFICIENCY: **97.9%**

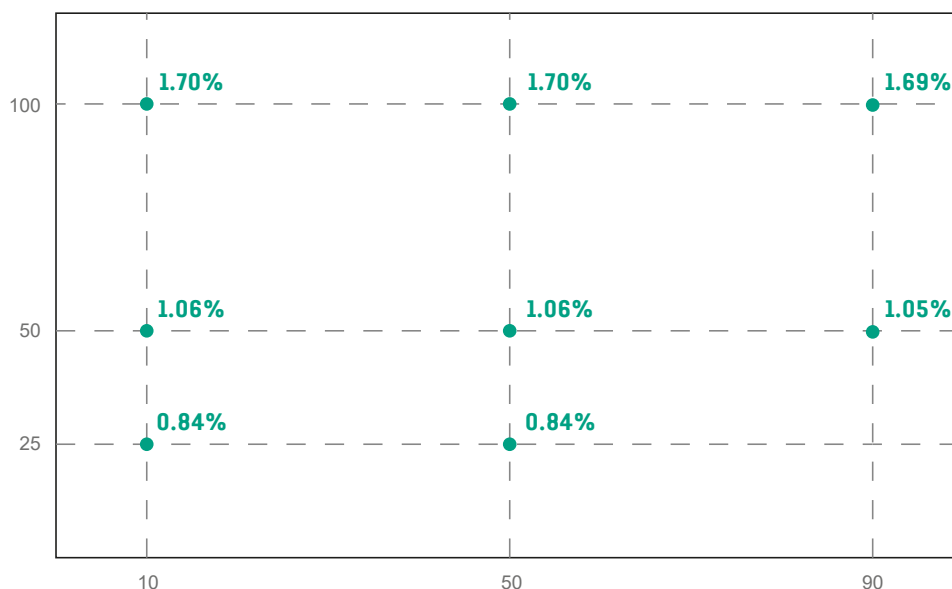
Code **S9014WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	105
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	1,156.78	97.9%
90	50	1.05%	719.40	97.7%
50	100	1.70%	1,161.08	96.2%
50	50	1.06%	723.12	95.9%
50	25	0.84%	571.05	95.6%
10	100	1.70%	1,165.38	83.5%
10	50	1.06%	726.85	82.4%
10	25	0.84%	574.08	81.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5750-KXX-4-DC**

IE2 EFFICIENCY: **97.9%**

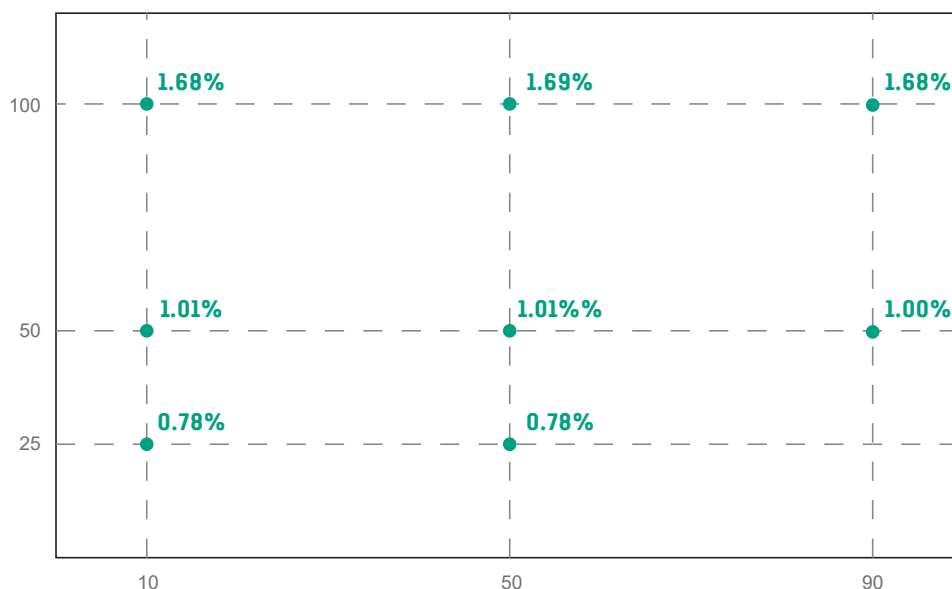
Code **S9015WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	149
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.68%	1,642.57	97.9%
90	50	1.00%	978.00	97.8%
50	100	1.69%	1,646.31	96.2%
50	50	1.01%	982.51	96.1%
50	25	0.78%	759.56	95.9%
10	100	1.69%	1,650.04	83.6%
10	50	1.01%	987.02	83.2%
10	25	0.78%	763.48	82.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5900-KXX-4-DC**

IE2 EFFICIENCY: **97.8%**

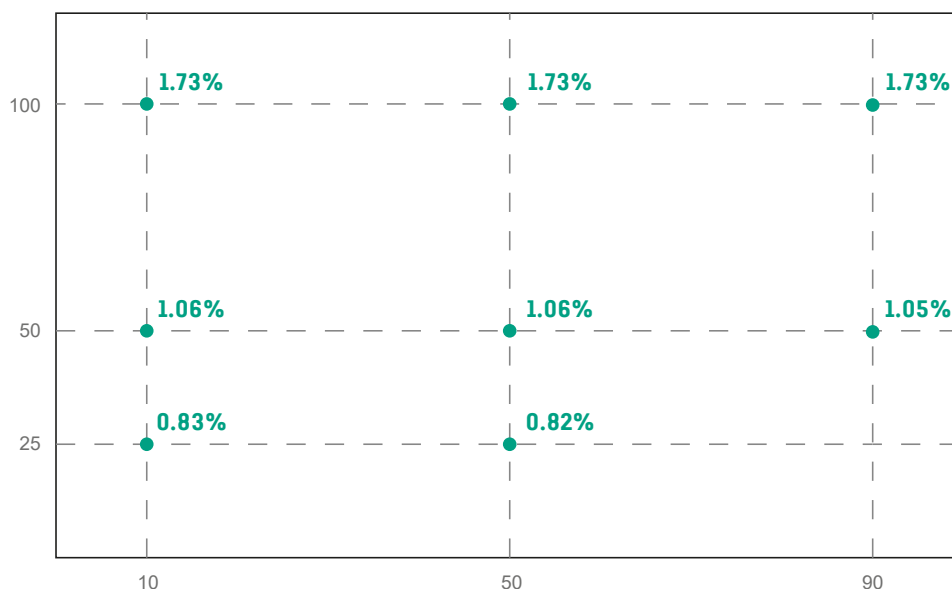
Code **S9016WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	90
Nominal current	(A)	180
Nominal apparent power	(kVA)	117.2
Standby loss	(W)	184
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.73%	2,022.31	97.8%
90	50	1.05%	1,231.94	97.7%
50	100	1.73%	2,026.79	96.1%
50	50	1.06%	1,237.35	95.9%
50	25	0.82%	964.51	95.6%
10	100	1.73%	2,031.28	83.2%
10	50	1.06%	1,242.77	82.5%
10	25	0.83%	969.21	81.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-51100-KXX-4-DC**

IE2 EFFICIENCY: **98.0%**

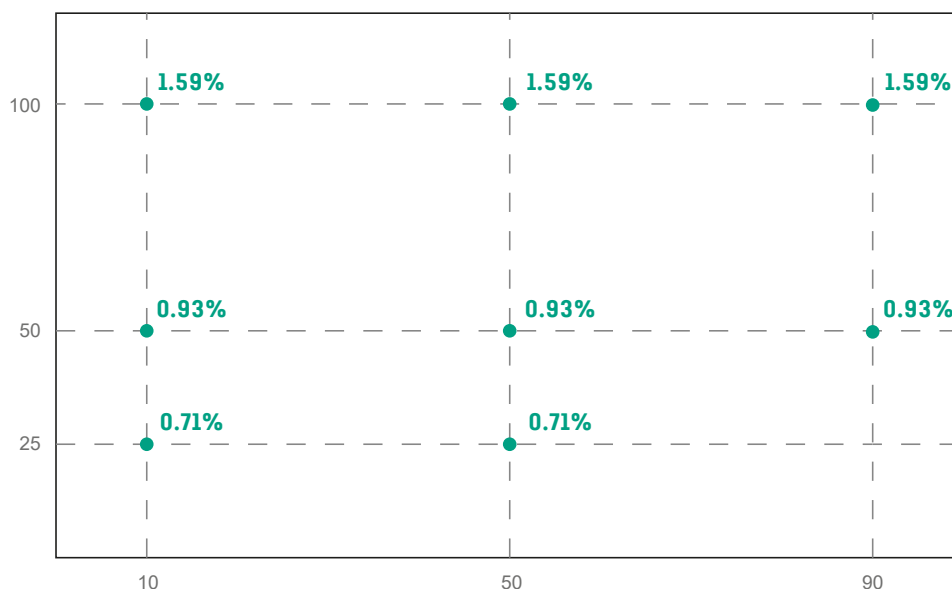
Code **S9017WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	110
Nominal current	(A)	210
Nominal apparent power	(kVA)	136.8
Standby loss	(W)	198
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	2,175.96	98.0%
90	50	0.93%	1,266.43	98.0%
50	100	1.59%	2,177.82	96.4%
50	50	0.93%	1,271.61	96.4%
50	25	0.71%	970.73	96.2%
10	100	1.59%	2,179.68	84.4%
10	50	0.93%	1,276.79	84.2%
10	25	0.71%	975.61	83.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61320-KXX-4-DC**

IE2 EFFICIENCY: **98.4%**

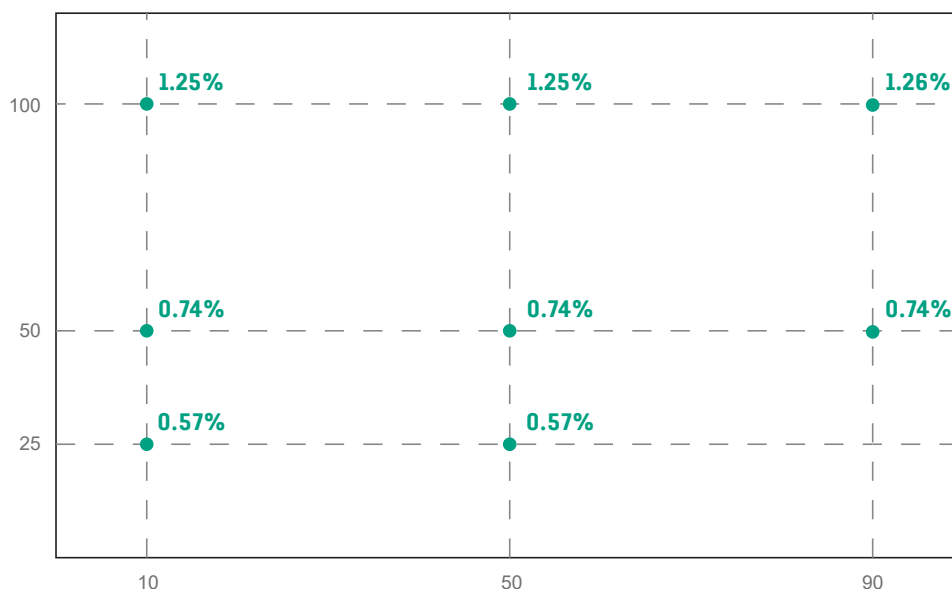
Code **S9018WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	132
Nominal current	(A)	250
Nominal apparent power	(kVA)	162.8
Standby loss	(W)	186
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.26%	2,049.01	98.4%
90	50	0.74%	1,212.92	98.4%
50	100	1.25%	2,041.89	97.2%
50	50	0.74%	1,211.07	97.1%
50	25	0.57%	931.49	96.9%
10	100	1.25%	2,034.76	87.3%
10	50	0.74%	1,209.21	87.0%
10	25	0.57%	930.78	86.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61600-KXX-4-DC**

IE2 EFFICIENCY: **98.4%**

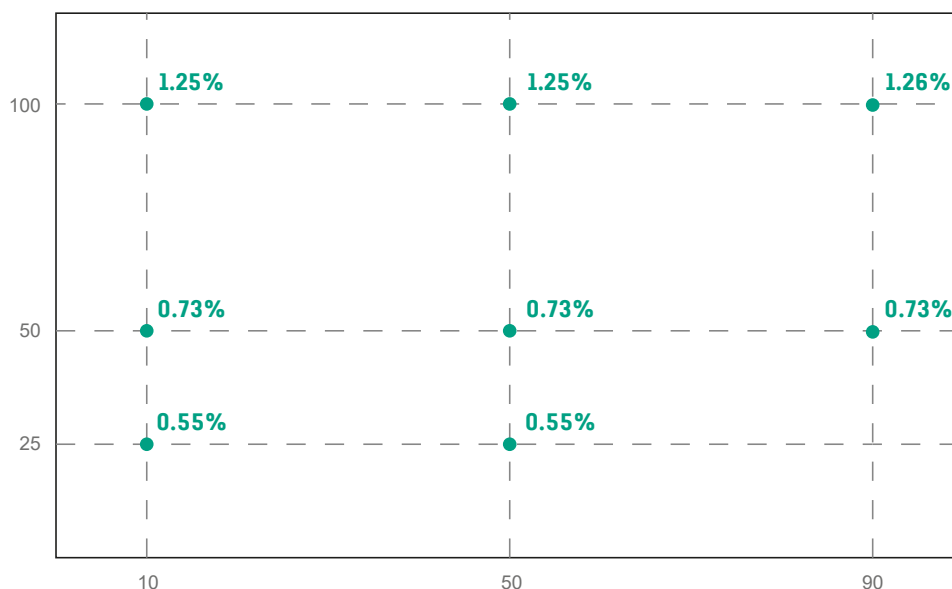
Code **S9019WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	160
Nominal current	(A)	300
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	224
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.26%	2,463.22	98.4%
90	50	0.73%	1,424.63	98.4%
50	100	1.25%	2,451.47	97.2%
50	50	0.73%	1,421.32	97.2%
50	25	0.55%	1,081.92	97.0%
10	100	1.25%	2,439.71	87.3%
10	50	0.73%	1,418.02	87.3%
10	25	0.55%	1,080.50	86.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72000-KXX-4-DC**

IE2 EFFICIENCY: **98.5%**

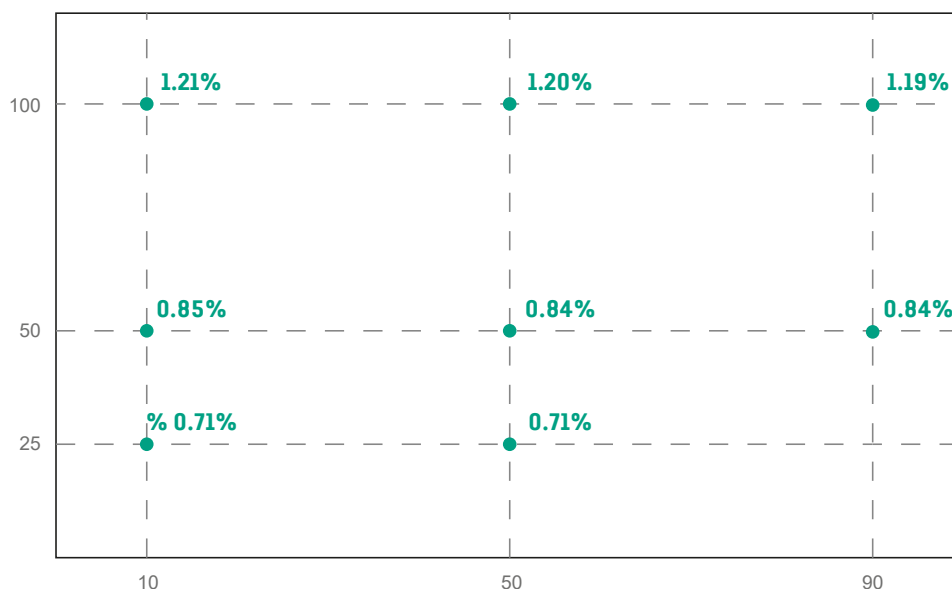
Code **S9020WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	200
Nominal current	(A)	385
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	271
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	2,983.19	98.5%
90	50	0.84%	2,099.17	98.1%
50	100	1.20%	3,008.62	97.3%
50	50	0.84%	2,115.69	96.7%
50	25	0.71%	1,779.87	96.0%
10	100	1.21%	3,034.04	87.8%
10	50	0.85%	2,132.20	85.1%
10	25	0.71%	1,791.99	82.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72500-KXX-4-DC**

IE2 EFFICIENCY: **98.5%**

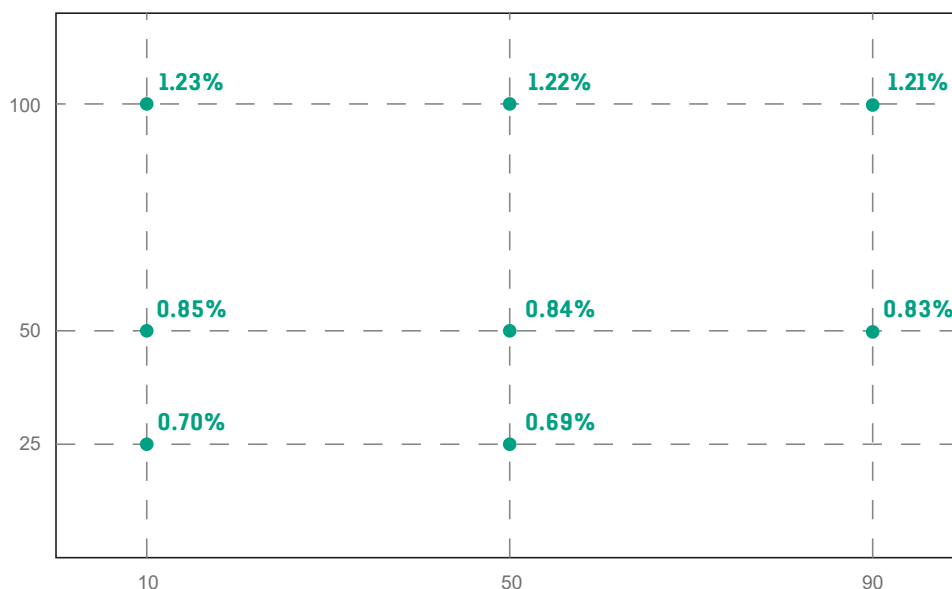
Code **S9021WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	250
Nominal current	(A)	460
Nominal apparent power	(kVA)	300
Standby loss	(W)	464
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.21%	3,634.48	98.5%
90	50	0.83%	2,496.74	98.1%
50	100	1.22%	3,663.77	97.3%
50	50	0.84%	2,515.55	96.7%
50	25	0.69%	2,080.73	96.1%
10	100	1.23%	3,693.05	87.6%
10	50	0.85%	2,534.35	85.2%
10	25	0.70%	2,094.48	82.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73150-KXX-4-DC**

IE2 EFFICIENCY: **98.7%**

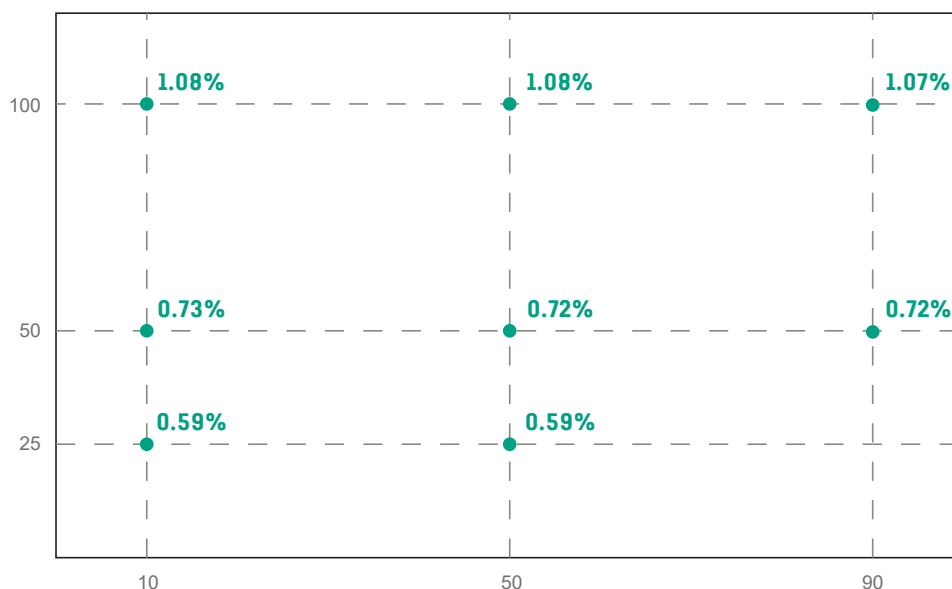
Code **S9022WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	315
Nominal current	(A)	590
Nominal apparent power	(kVA)	384.2
Standby loss	(W)	372
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.07%	4,096.76	98.7%
90	50	0.72%	2,749.93	98.4%
50	100	1.08%	4,131.78	97.6%
50	50	0.72%	2,773.25	97.1%
50	25	0.59%	2,263.78	96.6%
10	100	1.08%	4,166.79	88.9%
10	50	0.73%	2,796.58	87.0%
10	25	0.59%	2,281.03	85.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73550-KXX-4-DC**

IE2 EFFICIENCY: **98.5%**

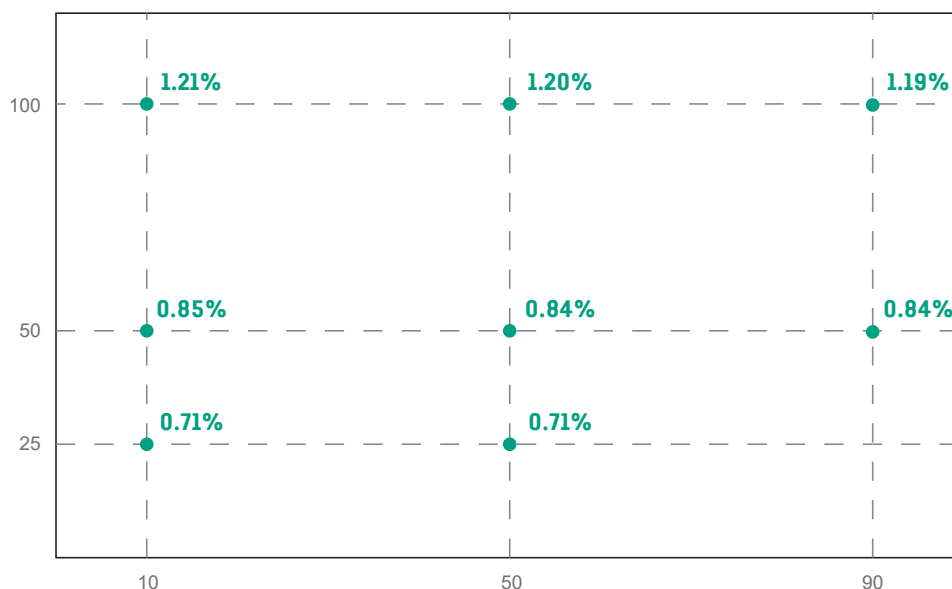
Code **S9023WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	458
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	5,036.29	98.5%
90	50	0.84%	3,536.01	98.1%
50	100	1.20%	5,083.12	97.3%
50	50	0.84%	3,565.12	96.7%
50	25	0.71%	2,992.50	96.0%
10	100	1.21%	5,129.95	87.8%
10	50	0.85%	3,594.23	85.2%
10	25	0.71%	3,013.54	82.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4-DC**

IE2 EFFICIENCY: **98.6%**

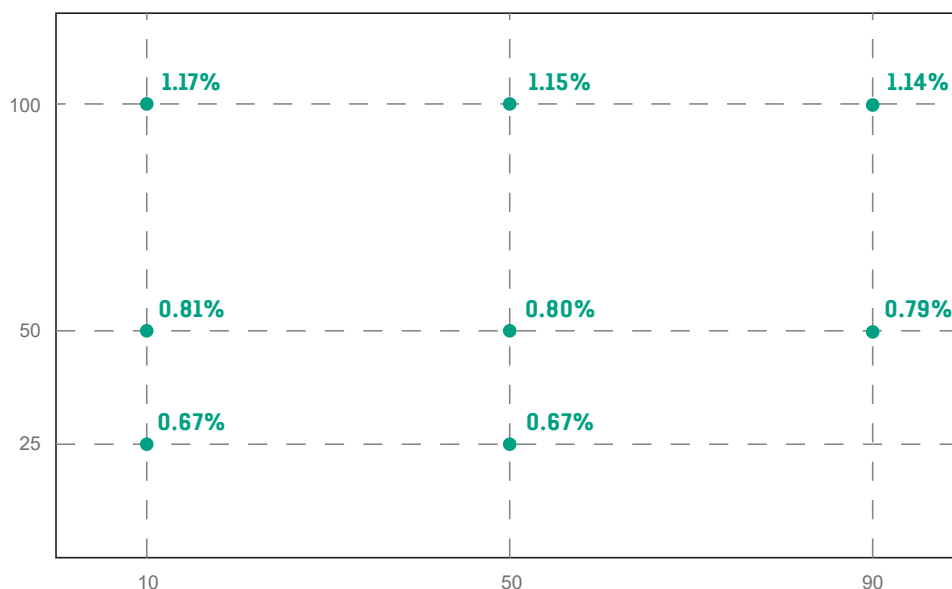
Code **S9024WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-1015-KBX-4-EH**

IE2 EFFICIENCY: **95.7%**

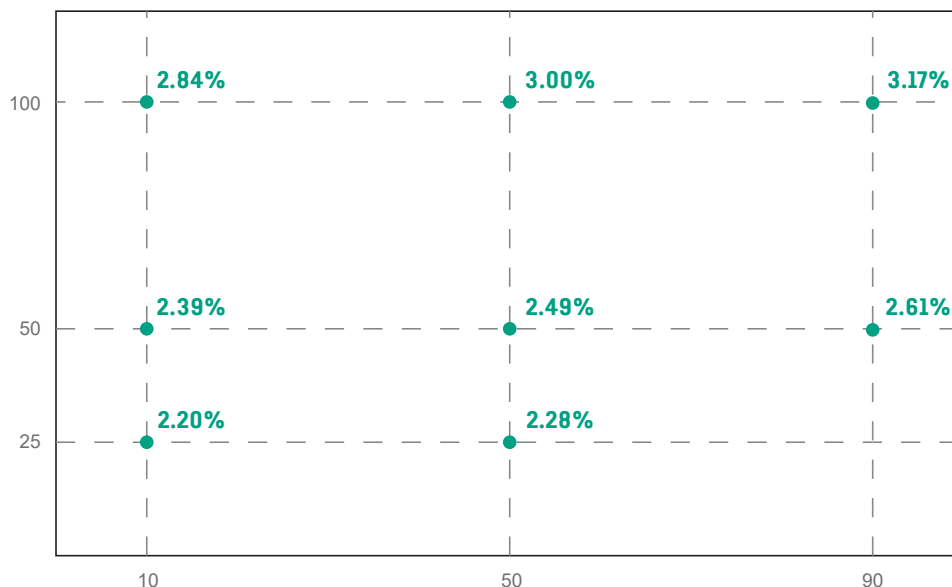
Code **S9001WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	1.5
Nominal current	(A)	4.3
Nominal apparent power	(kVA)	2.8
Standby loss	(W)	8
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.17%	88.82	95.7%
90	50	2.61%	72.95	95.1%
50	100	3.00%	83.95	92.9%
50	50	2.49%	69.86	91.8%
50	25	2.28%	63.90	90.9%
10	100	2.84%	79.65	73.5%
10	50	2.39%	67.05	70.1%
10	25	2.20%	61.70	67.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-1030-KBX-4-EH**

IE2 EFFICIENCY: **96.3%**

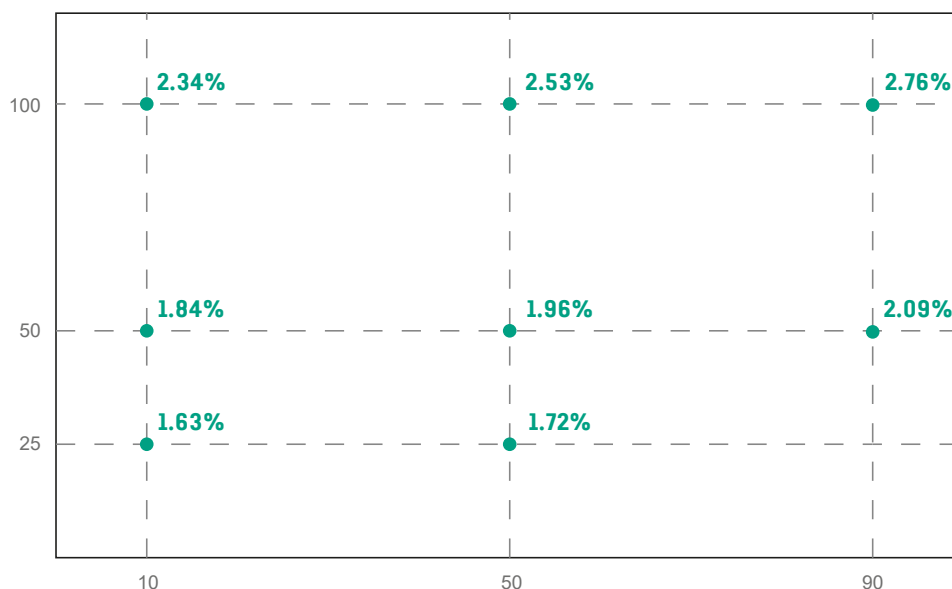
Code **S9003WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	3
Nominal current	(A)	7.6
Nominal apparent power	(kVA)	5
Standby loss	(W)	12
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.76%	136.37	96.3%
90	50	2.09%	103.61	96.0%
50	100	2.53%	125.31	94.0%
50	50	1.96%	96.90	93.5%
50	25	1.72%	85.31	93.0%
10	100	2.34%	116.05	77.1%
10	50	1.84%	91.10	75.3%
10	25	1.63%	80.85	73.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-2110-KBX-4-EH**

IE2 EFFICIENCY: **96.8%**

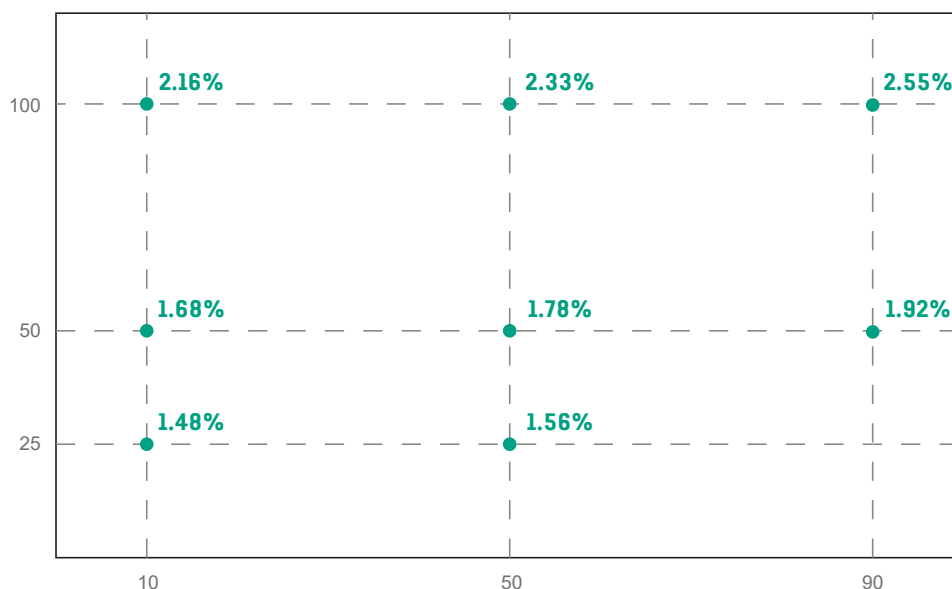
Code **S9007WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	11
Nominal current	(A)	23
Nominal apparent power	(kVA)	15
Standby loss	(W)	35
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.55%	382.47	96.8%
90	50	1.92%	287.31	96.6%
50	100	2.33%	348.32	94.8%
50	50	1.78%	267.13	94.4%
50	25	1.56%	233.52	94.1%
10	100	2.16%	323.73	79.7%
10	50	1.68%	251.78	78.2%
10	25	1.48%	221.75	76.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-2150-KBX-4-EH**

IE2 EFFICIENCY: **97.1%**

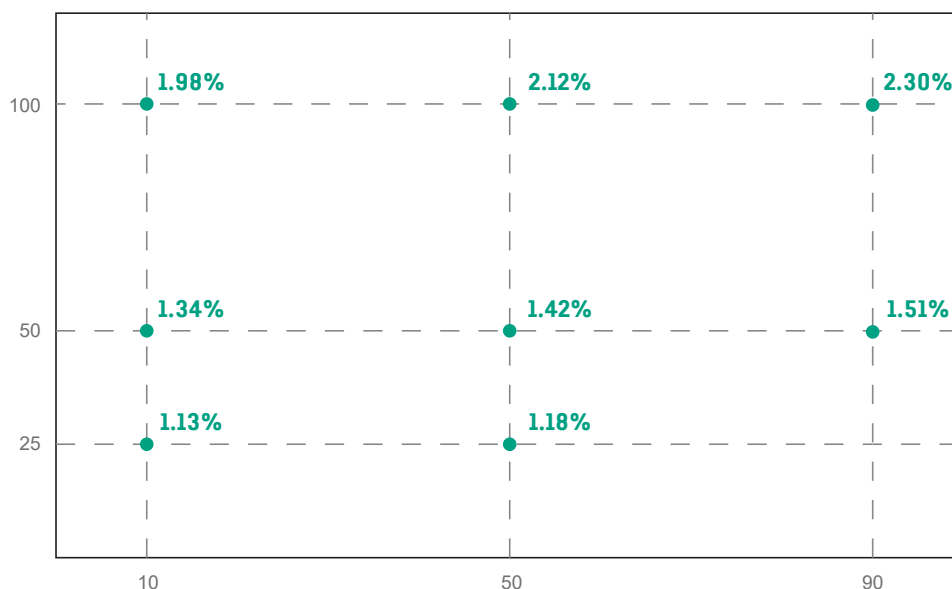
Code **S9008WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	15
Nominal current	(A)	31
Nominal apparent power	(kVA)	20.2
Standby loss	(W)	42
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.30%	464.35	97.1%
90	50	1.51%	303.86	96.8%
50	100	2.12%	428.53	95.2%
50	50	1.42%	286.48	94.7%
50	25	1.18%	238.31	94.2%
10	100	1.98%	399.41	81.1%
10	50	1.34%	271.52	79.1%
10	25	1.13%	227.79	77.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KBX-4-EH**

IE2 EFFICIENCY: **97.2%**

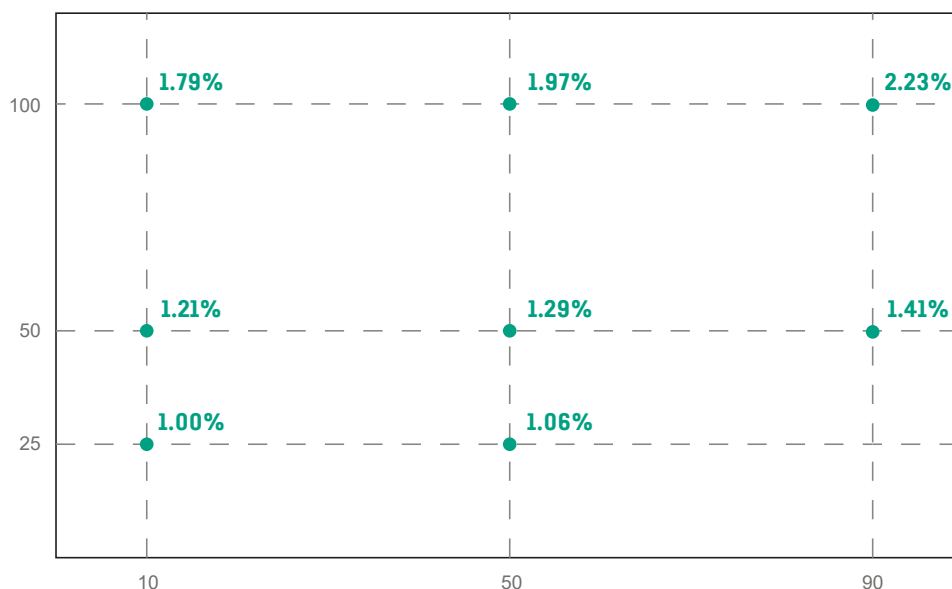
Code **S9011WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.23%	898.66	97.2%
90	50	1.41%	567.48	97.0%
50	100	1.97%	794.09	95.6%
50	50	1.29%	520.90	95.2%
50	25	1.06%	427.00	94.8%
10	100	1.79%	724.63	82.6%
10	50	1.21%	486.96	80.9%
10	25	1.00%	403.72	79.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KBX-4-EH-IT**

IE2 EFFICIENCY: **97.2%**

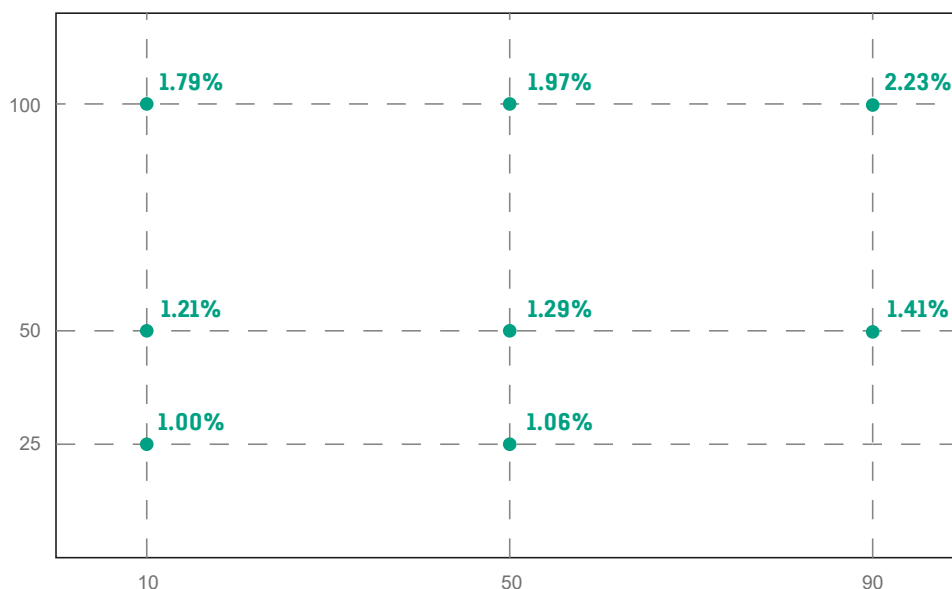
Code **S9011WHIT**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.23%	898.66	97.2%
90	50	1.41%	567.48	97.0%
50	100	1.97%	794.09	95.6%
50	50	1.29%	520.90	95.2%
50	25	1.06%	427.00	94.8%
10	100	1.79%	724.63	82.6%
10	50	1.21%	486.96	80.9%
10	25	1.00%	403.72	79.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4550-KBX-4-EH**

IE2 EFFICIENCY: **97.4%**

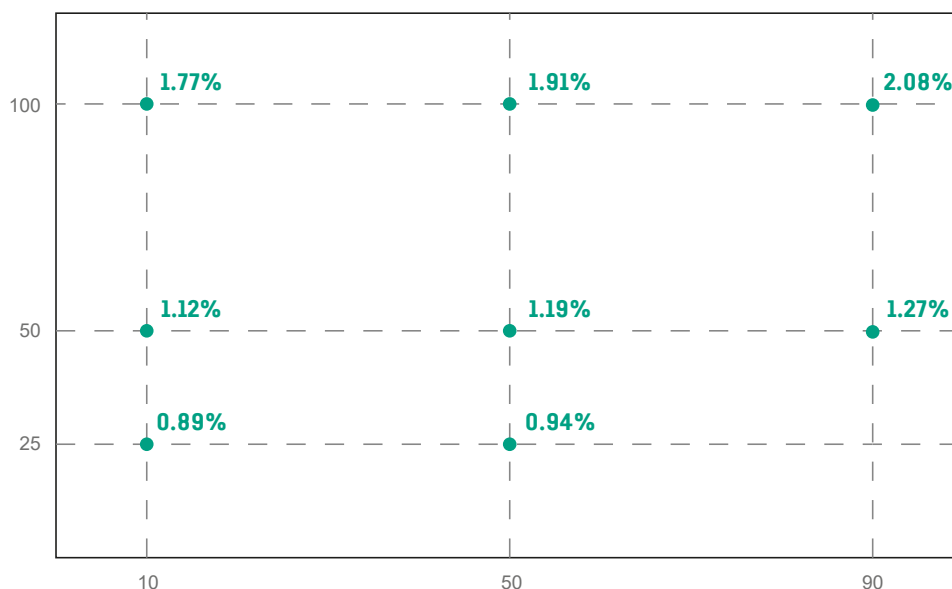
Code **S9017WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	130
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,425.29	97.4%
90	50	1.27%	870.69	97.2%
50	100	1.91%	1,306.22	95.7%
50	50	1.19%	813.19	95.4%
50	25	0.94%	641.89	95.1%
10	100	1.77%	1,211.37	82.9%
10	50	1.12%	763.84	81.7%
10	25	0.89%	607.72	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5750-KXX-4-EH**

IE2 EFFICIENCY: **97.3%**

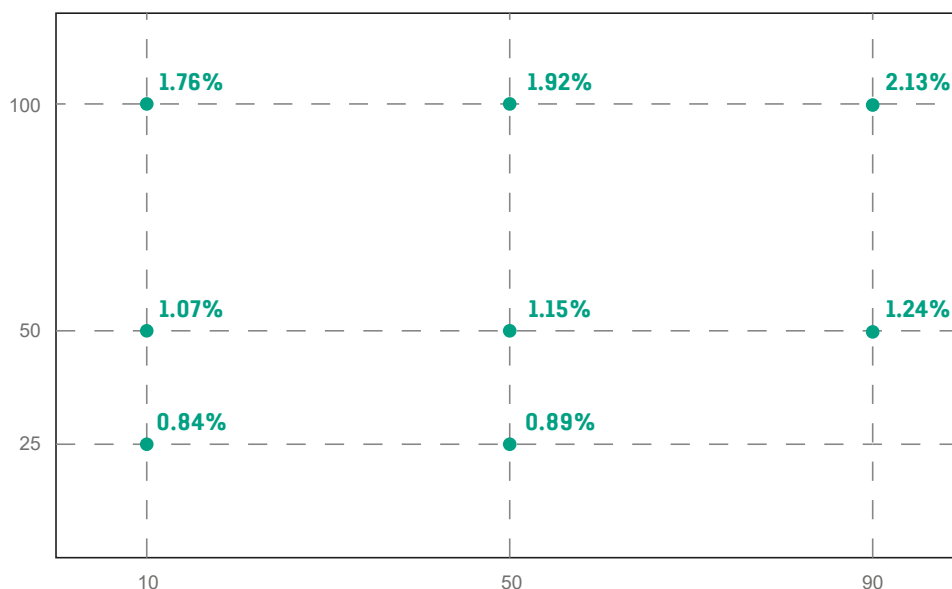
Code **S9018WH**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	189
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.13%	2,077.02	97.3%
90	50	1.24%	1,215.61	97.3%
50	100	1.92%	1,873.85	95.7%
50	50	1.15%	1,121.67	95.6%
50	25	0.89%	868.71	95.3%
10	100	1.76%	1,721.23	83.0%
10	50	1.07%	1,044.72	82.3%
10	25	0.84%	816.19	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KXX-4-DC**

IE2 EFFICIENCY: **97.8%**

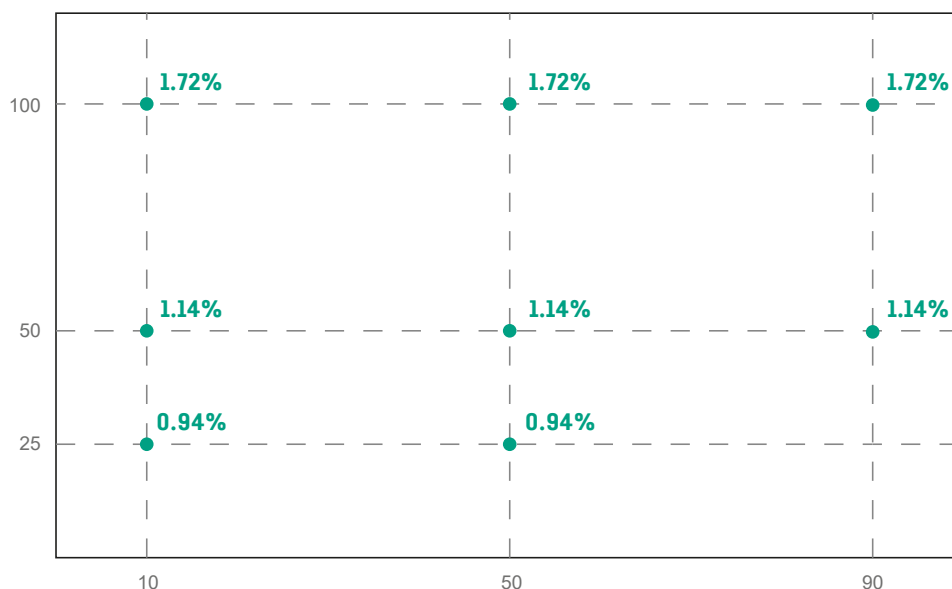
Code **S9011WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.72%	694.74	97.8%
90	50	1.14%	458.86	97.6%
50	100	1.72%	694.30	96.1%
50	50	1.14%	460.01	95.7%
50	25	0.94%	378.43	95.3%
10	100	1.72%	693.86	83.2%
10	50	1.14%	461.16	81.7%
10	25	0.94%	379.69	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-1015-KBX-4+SI**

IE2 EFFICIENCY: **95.7%**

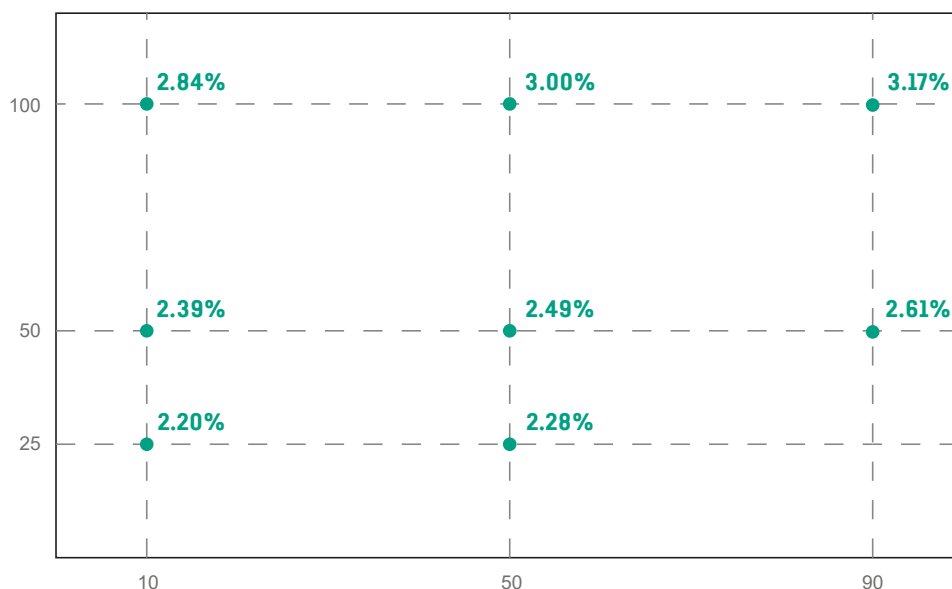
Code **S9001WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	1.5
Nominal current	(A)	4.3
Nominal apparent power	(kVA)	2.8
Standby loss	(W)	8
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.17%	88.82	95.7%
90	50	2.61%	72.95	95.1%
50	100	3.00%	83.95	92.9%
50	50	2.49%	69.86	91.8%
50	25	2.28%	63.90	90.9%
10	100	2.84%	79.65	73.5%
10	50	2.39%	67.05	70.1%
10	25	2.20%	61.70	67.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-1022-KBX-4+SI**

IE2 EFFICIENCY: **96.0%**

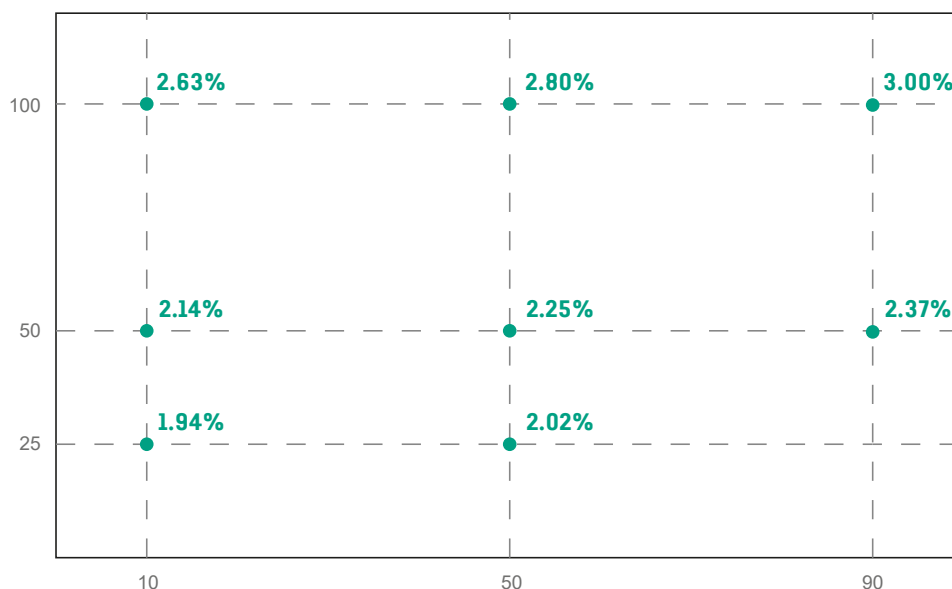
Code **S9002WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	2.2
Nominal current	(A)	5.8
Nominal apparent power	(kVA)	3.8
Standby loss	(W)	10
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.00%	113.30	96.0%
90	50	2.37%	89.63	95.5%
50	100	2.80%	105.87	93.4%
50	50	2.25%	85.02	92.6%
50	25	2.02%	76.35	91.9%
10	100	2.63%	99.49	75.0%
10	50	2.14%	80.94	72.4%
10	25	1.94%	73.18	70.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-1030-KBX-4+SI**

IE2 EFFICIENCY: **96.3%**

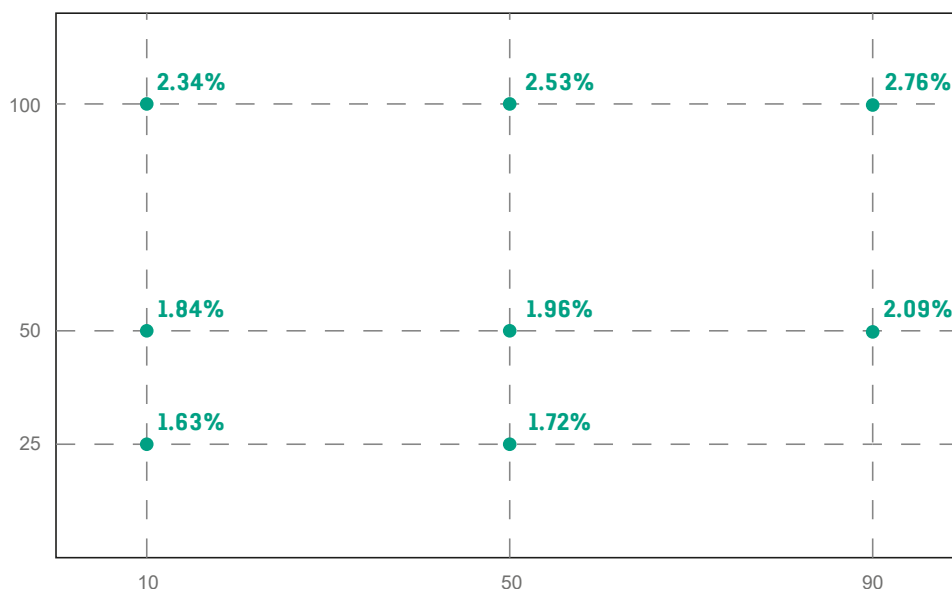
Code **S9003WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	3
Nominal current	(A)	7.6
Nominal apparent power	(kVA)	5
Standby loss	(W)	12
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.76%	136.37	96.3%
90	50	2.09%	103.61	96.0%
50	100	2.53%	125.31	94.0%
50	50	1.96%	96.90	93.5%
50	25	1.72%	85.31	93.0%
10	100	2.34%	116.05	77.1%
10	50	1.84%	91.10	75.3%
10	25	1.63%	80.85	73.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-1040-KBX-4+SI**

IE2 EFFICIENCY: **95.9%**

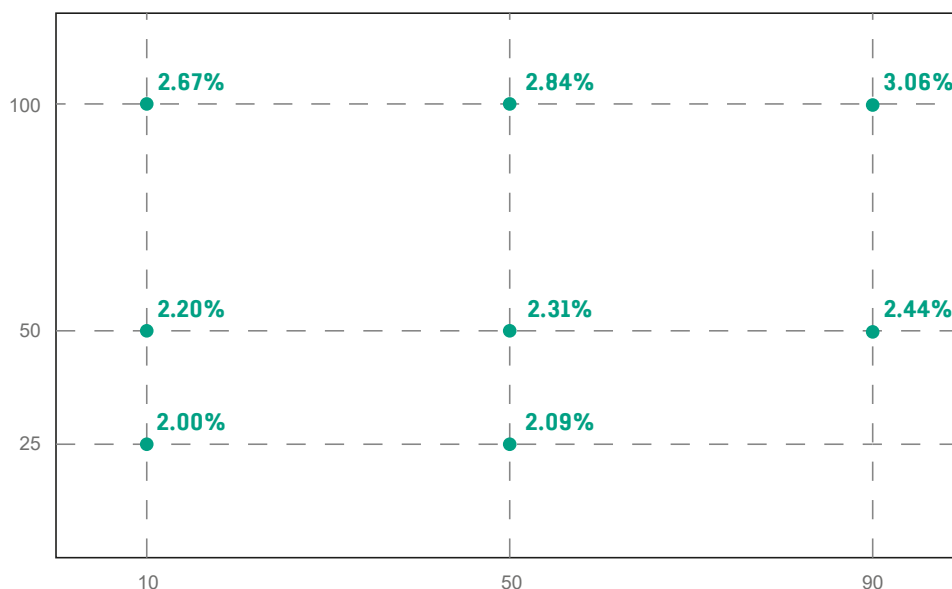
Code **S9004WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	4
Nominal current	(A)	9.5
Nominal apparent power	(kVA)	6.2
Standby loss	(W)	17
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	3.06%	189.33	95.9%
90	50	2.44%	151.21	95.4%
50	100	2.84%	175.96	93.3%
50	50	2.31%	142.89	92.4%
50	25	2.09%	129.15	91.6%
10	100	2.67%	165.39	74.7%
10	50	2.20%	135.98	71.8%
10	25	2.00%	123.72	69.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-1055-KBX-4+SI**

IE2 EFFICIENCY: **96.6%**

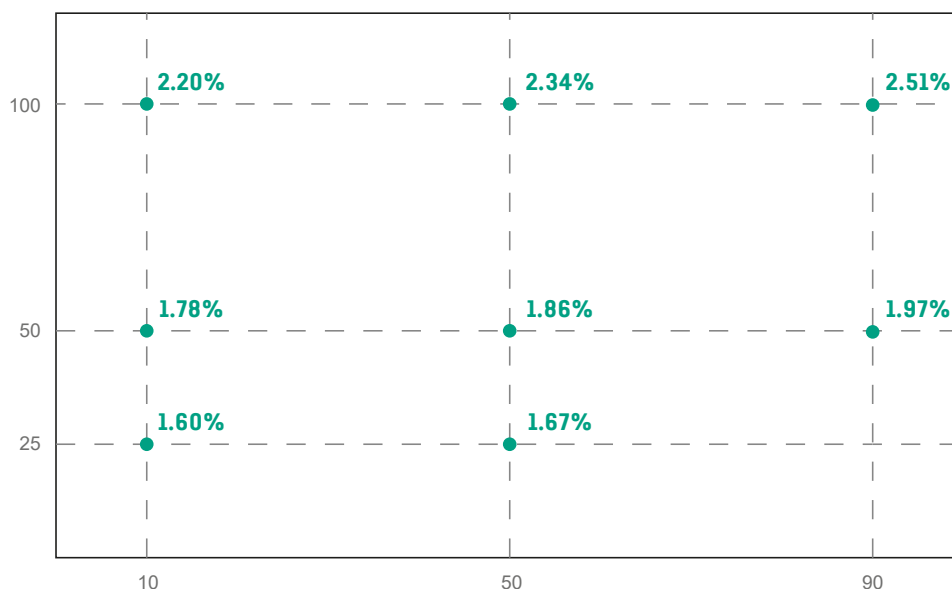
Code **S9005WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	5.5
Nominal current	(A)	13
Nominal apparent power	(kVA)	8.5
Standby loss	(W)	19
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.51%	212.76	96.6%
90	50	1.97%	166.81	96.2%
50	100	2.34%	198.15	94.4%
50	50	1.86%	157.89	93.8%
50	25	1.67%	141.12	93.2%
10	100	2.20%	186.55	78.2%
10	50	1.78%	150.49	75.9%
10	25	1.60%	135.38	74.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-2075-KBX-4+SI**

IE2 EFFICIENCY: **96.8%**

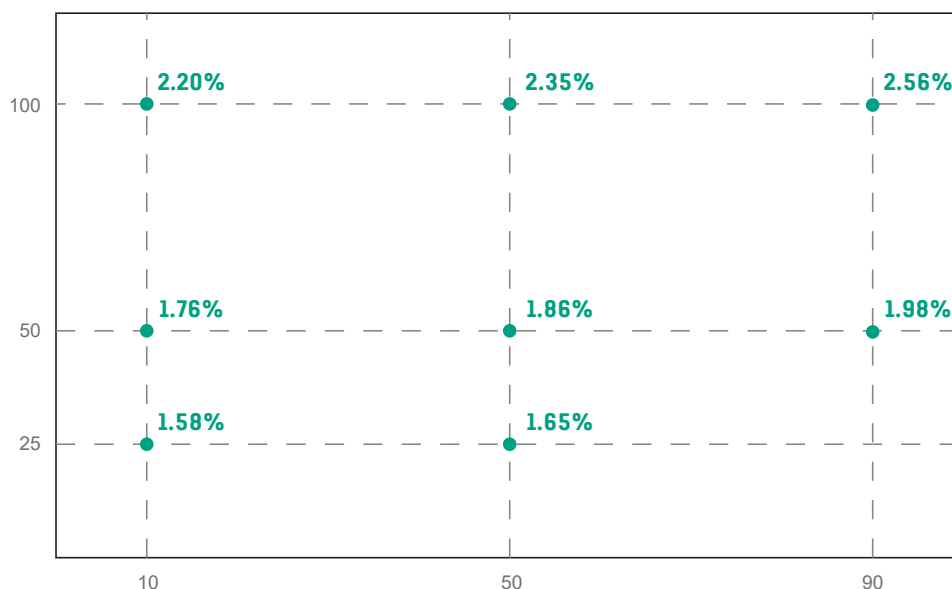
Code **S9006WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	7.5
Nominal current	(A)	16.5
Nominal apparent power	(kVA)	10.75
Standby loss	(W)	25
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.56%	275.32	96.8%
90	50	1.98%	213.19	96.5%
50	100	2.35%	252.95	94.8%
50	50	1.86%	199.79	94.2%
50	25	1.65%	177.44	93.7%
10	100	2.20%	236.63	79.4%
10	50	1.76%	189.44	77.4%
10	25	1.58%	169.44	75.8%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-2110-KBX-4+SI**

IE2 EFFICIENCY: **96.8%**

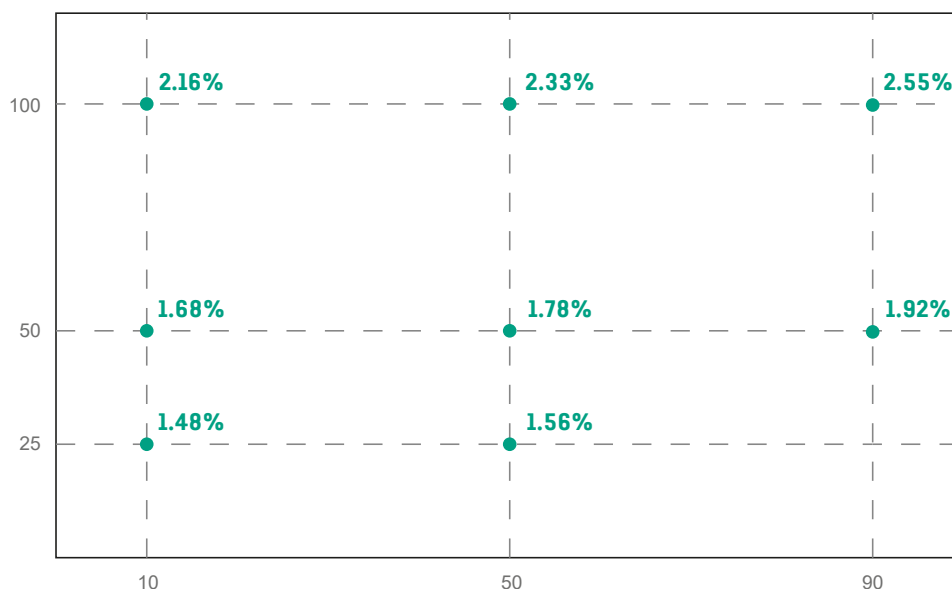
Code **S9007WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	11
Nominal current	(A)	23
Nominal apparent power	(kVA)	15
Standby loss	(W)	35
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.55%	382.47	96.8%
90	50	1.92%	287.31	96.6%
50	100	2.33%	348.32	94.8%
50	50	1.78%	267.13	94.4%
50	25	1.56%	233.52	94.1%
10	100	2.16%	323.73	79.7%
10	50	1.68%	251.78	78.2%
10	25	1.48%	221.75	76.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-2150-KBX-4+SI**

IE2 EFFICIENCY: **97.1%**

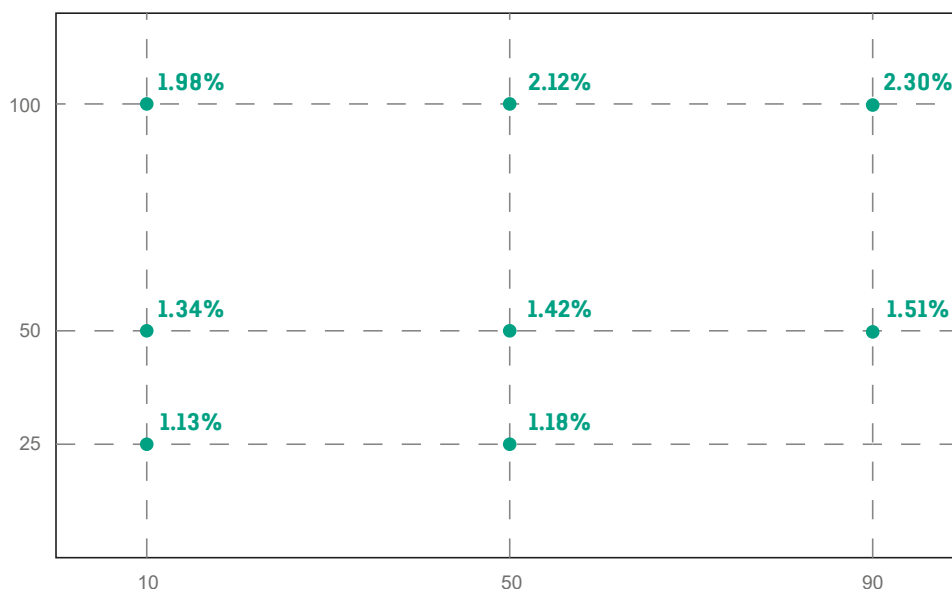
Code **S9008WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	15
Nominal current	(A)	31
Nominal apparent power	(kVA)	20.2
Standby loss	(W)	42
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.30%	464.35	97.1%
90	50	1.51%	303.86	96.8%
50	100	2.12%	428.53	95.2%
50	50	1.42%	286.48	94.7%
50	25	1.18%	238.31	94.2%
10	100	1.98%	399.41	81.1%
10	50	1.34%	271.52	79.1%
10	25	1.13%	227.79	77.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3185-KBX-4+SI**

IE2 EFFICIENCY: **97.1%**

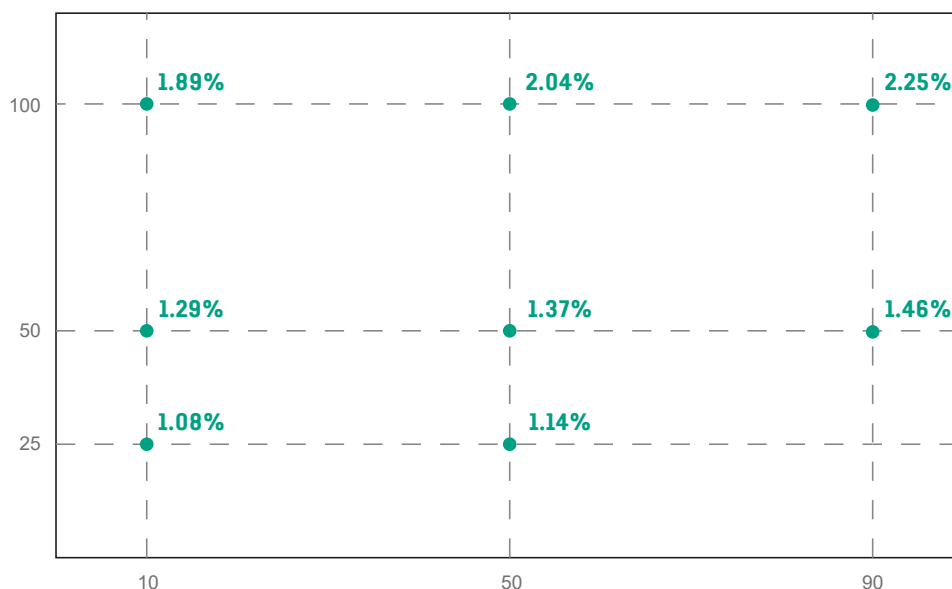
Code **S9009WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	18.5
Nominal current	(A)	38
Nominal apparent power	(kVA)	24.8
Standby loss	(W)	51
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.25%	556.49	97.1%
90	50	1.46%	362.28	96.9%
50	100	2.04%	505.43	95.4%
50	50	1.37%	338.40	94.9%
50	25	1.14%	281.43	94.4%
10	100	1.89%	467.02	81.8%
10	50	1.29%	319.08	79.8%
10	25	1.08%	267.99	77.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3220-KBX-4+SI**

IE2 EFFICIENCY: **97.1%**

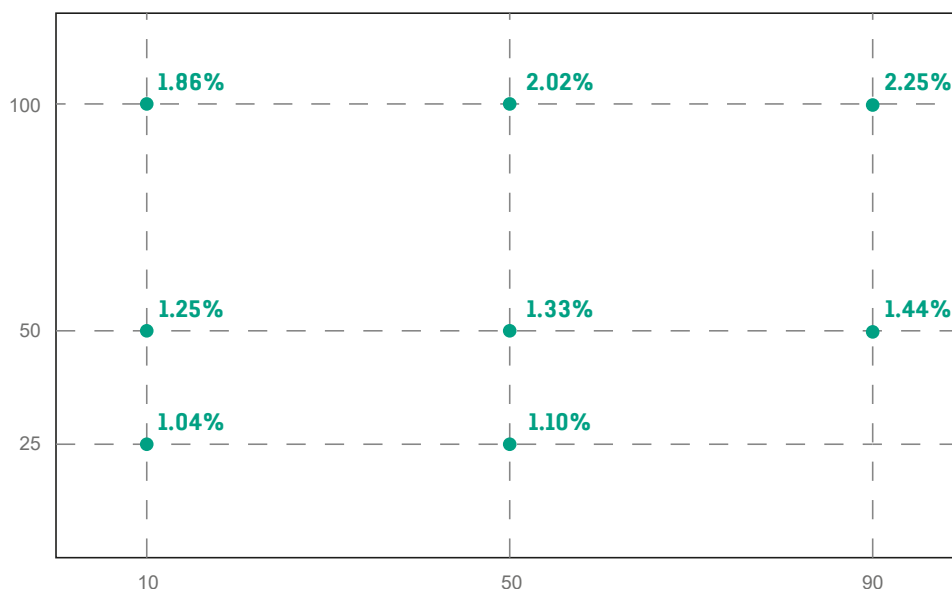
Code **S9010WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	22
Nominal current	(A)	46
Nominal apparent power	(kVA)	30
Standby loss	(W)	61
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.25%	672.58	97.1%
90	50	1.44%	430.26	97.0%
50	100	2.02%	605.36	95.5%
50	50	1.33%	399.43	95.0%
50	25	1.10%	329.24	94.6%
10	100	1.86%	557.29	82.0%
10	50	1.25%	375.49	80.3%
10	25	1.04%	312.67	78.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KBX-4+SI**

IE2 EFFICIENCY: **97.2%**

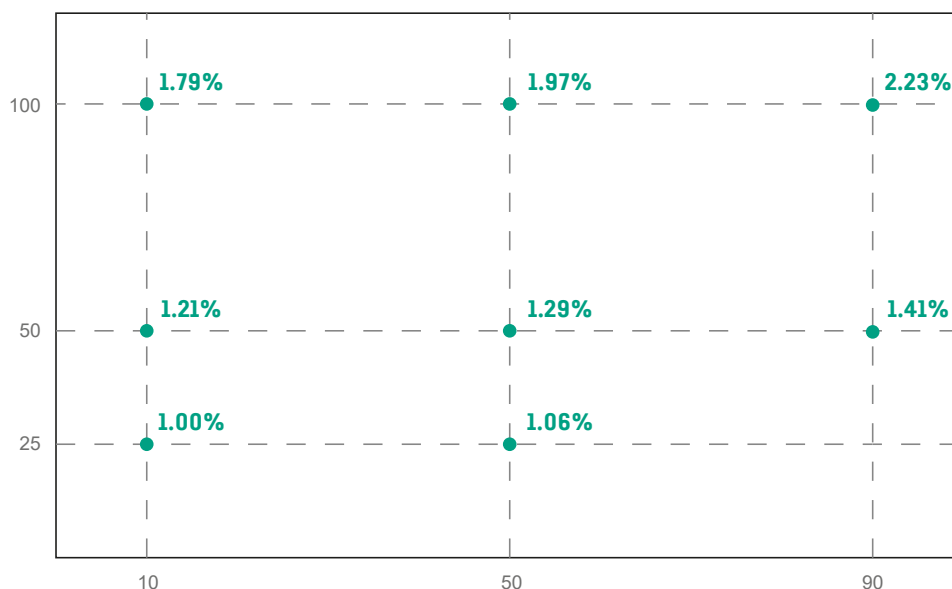
Code **S9011WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.23%	898.66	97.2%
90	50	1.41%	567.48	97.0%
50	100	1.97%	794.09	95.6%
50	50	1.29%	520.90	95.2%
50	25	1.06%	427.00	94.8%
10	100	1.79%	724.63	82.6%
10	50	1.21%	486.96	80.9%
10	25	1.00%	403.72	79.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4370-KBX-4+SI**

IE2 EFFICIENCY: **97.4%**

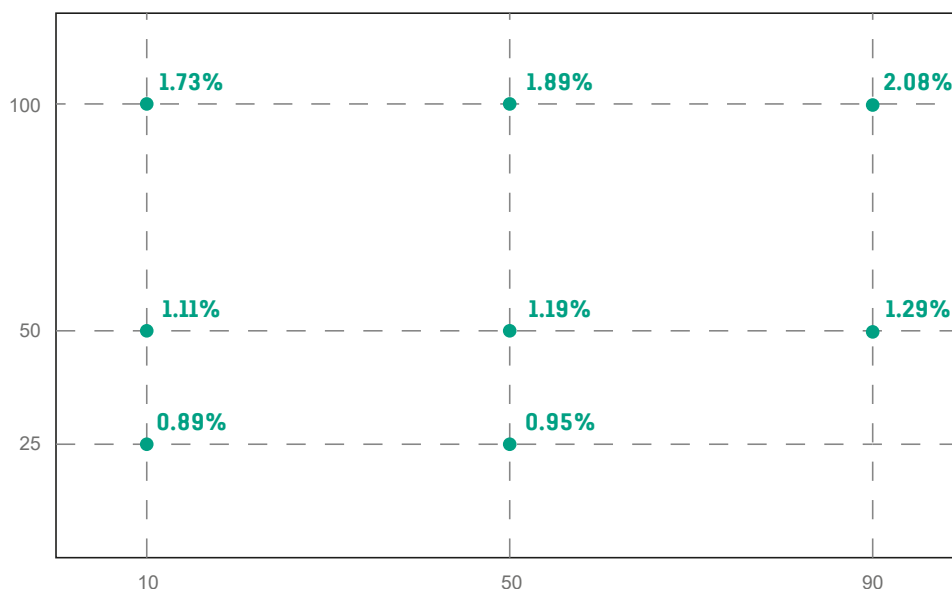
Code **S9013WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	92
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,014.52	97.4%
90	50	1.29%	629.09	97.2%
50	100	1.89%	922.46	95.7%
50	50	1.19%	582.96	95.4%
50	25	0.95%	465.87	94.9%
10	100	1.73%	845.39	83.1%
10	50	1.11%	541.86	81.6%
10	25	0.89%	437.11	80.0%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4450-KBX-4+SI**

IE2 EFFICIENCY: **97.3%**

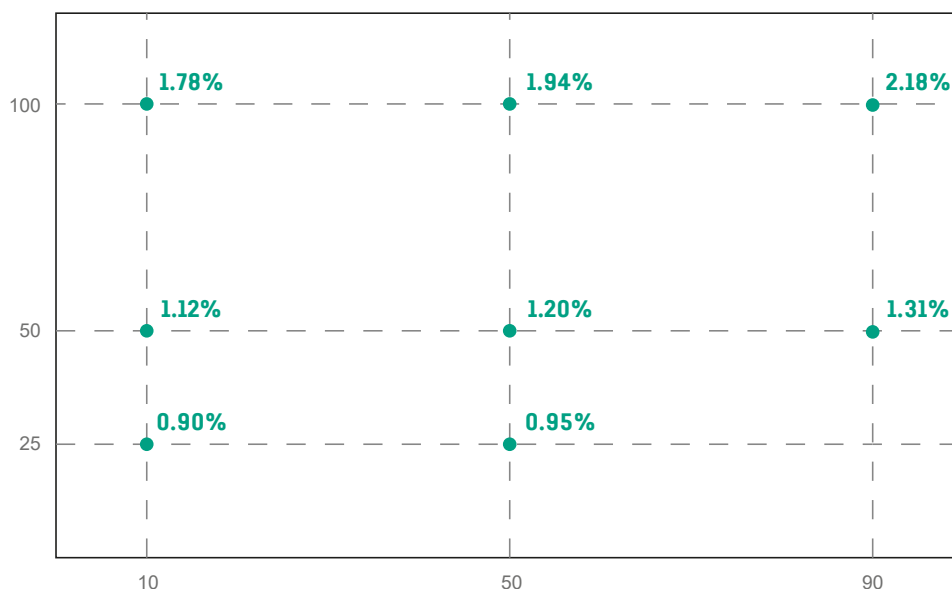
Code **S9015WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	112
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	1,233.21	97.3%
90	50	1.31%	740.27	97.2%
50	100	1.94%	1,100.91	95.7%
50	50	1.20%	680.91	95.4%
50	25	0.95%	538.75	95.0%
10	100	1.78%	1,006.72	82.9%
10	50	1.12%	634.38	81.7%
10	25	0.90%	507.29	80.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4550-KBX-4+SI**

IE2 EFFICIENCY: **97.4%**

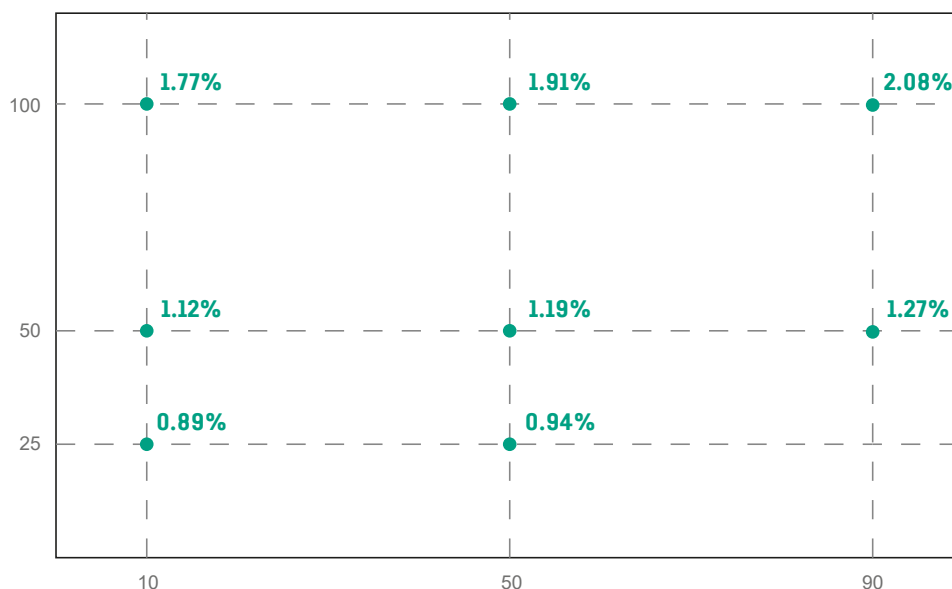
Code **S9017WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	130
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,425.29	97.4%
90	50	1.27%	870.69	97.2%
50	100	1.91%	1,306.22	95.7%
50	50	1.19%	813.19	95.4%
50	25	0.94%	641.89	95.1%
10	100	1.77%	1,211.37	82.9%
10	50	1.12%	763.84	81.7%
10	25	0.89%	607.72	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5750-KBX-4+SI**

IE2 EFFICIENCY: **97.3%**

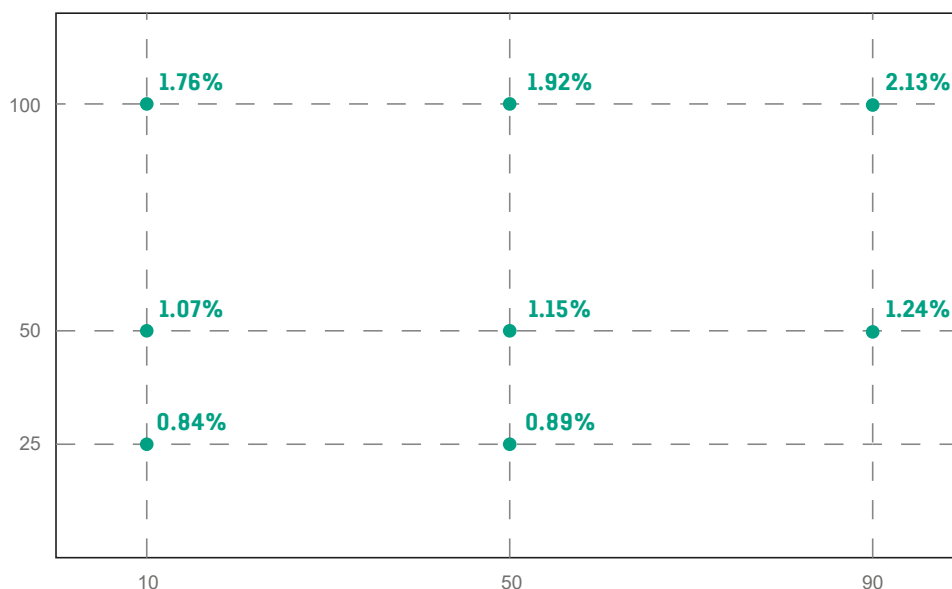
Code **S9019WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	189
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.13%	2,077.02	97.3%
90	50	1.24%	1,215.61	97.3%
50	100	1.92%	1,873.85	95.7%
50	50	1.15%	1,121.67	95.6%
50	25	0.89%	868.71	95.3%
10	100	1.76%	1,721.23	83.0%
10	50	1.07%	1,044.72	82.3%
10	25	0.84%	816.19	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4370-KXX-4+SI**

IE2 EFFICIENCY: **97.4%**

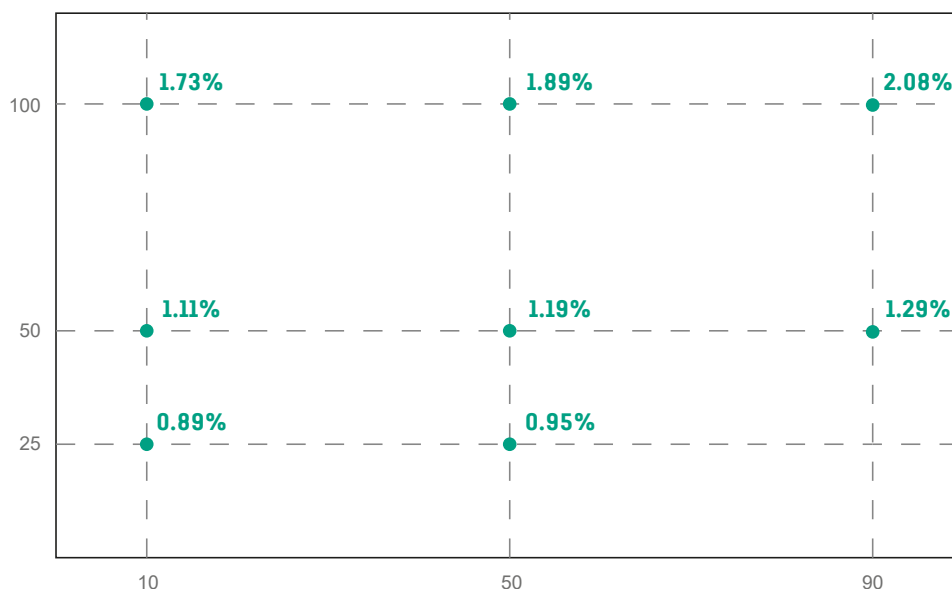
Code **S9012WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	92
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,014.52	97.4%
90	50	1.29%	629.09	97.2%
50	100	1.89%	922.46	95.7%
50	50	1.19%	582.96	95.4%
50	25	0.95%	465.87	94.9%
10	100	1.73%	845.39	83.1%
10	50	1.11%	541.86	81.6%
10	25	0.89%	437.11	80.0%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4370-KXX-4-SI-IT**

IE2 EFFICIENCY: **97.4%**

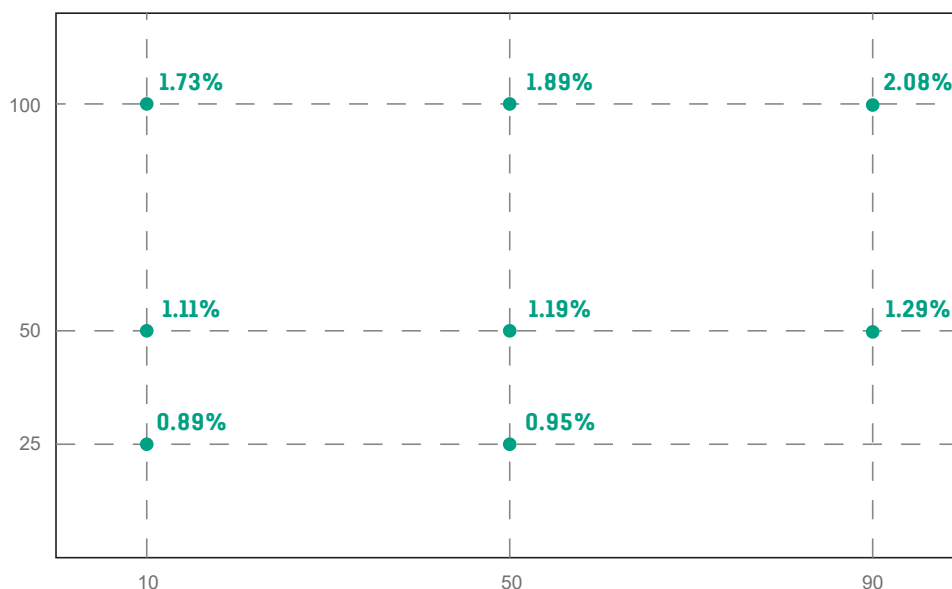
Code **S9012WSIT**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	92
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,014.52	97.4%
90	50	1.29%	629.09	97.2%
50	100	1.89%	922.46	95.7%
50	50	1.19%	582.96	95.4%
50	25	0.95%	465.87	94.9%
10	100	1.73%	845.39	83.1%
10	50	1.11%	541.86	81.6%
10	25	0.89%	437.11	80.0%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4450-KXX-4+SI**

IE2 EFFICIENCY: **97.3%**

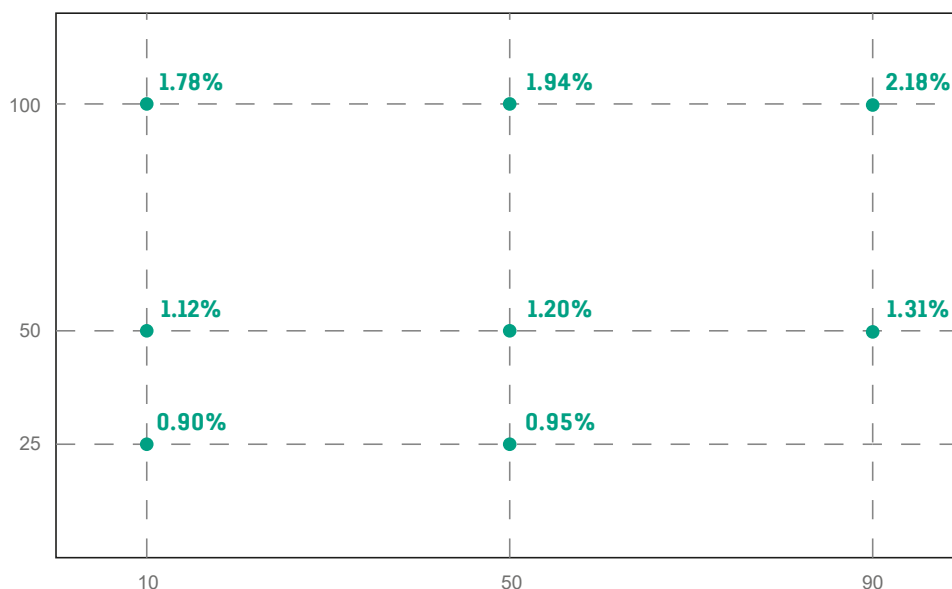
Code **S9014WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	112
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	1,233.21	97.3%
90	50	1.31%	740.27	97.2%
50	100	1.94%	1,100.91	95.7%
50	50	1.20%	680.91	95.4%
50	25	0.95%	538.75	95.0%
10	100	1.78%	1,006.72	82.9%
10	50	1.12%	634.38	81.7%
10	25	0.90%	507.29	80.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4550-KXX-4+SI**

IE2 EFFICIENCY: **97.4%**

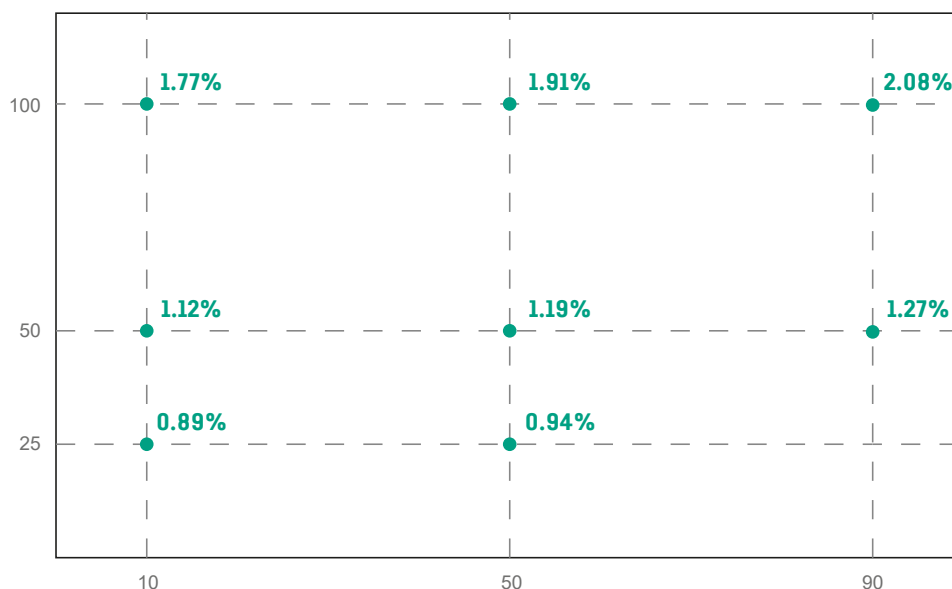
Code **S9016WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	130
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.08%	1,425.29	97.4%
90	50	1.27%	870.69	97.2%
50	100	1.91%	1,306.22	95.7%
50	50	1.19%	813.19	95.4%
50	25	0.94%	641.89	95.1%
10	100	1.77%	1,211.37	82.9%
10	50	1.12%	763.84	81.7%
10	25	0.89%	607.72	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5750-KXX-4+SI**

IE2 EFFICIENCY: **97.3%**

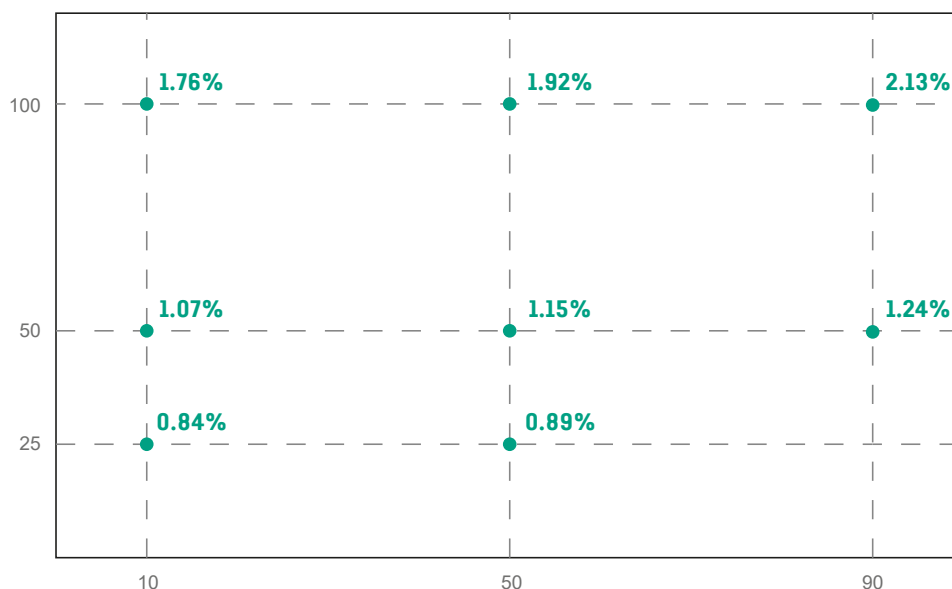
Code **S9018WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	189
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.13%	2,077.02	97.3%
90	50	1.24%	1,215.61	97.3%
50	100	1.92%	1,873.85	95.7%
50	50	1.15%	1,121.67	95.6%
50	25	0.89%	868.71	95.3%
10	100	1.76%	1,721.23	83.0%
10	50	1.07%	1,044.72	82.3%
10	25	0.84%	816.19	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5900-KXX-4+SI**

IE2 EFFICIENCY: **97.3%**

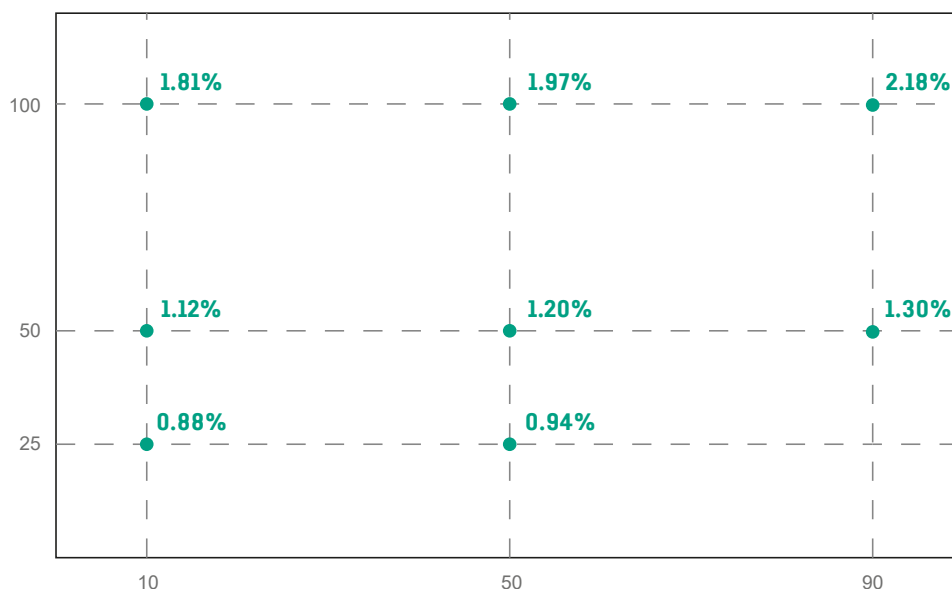
Code **S9020WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	90
Nominal current	(A)	180
Nominal apparent power	(kVA)	117.2
Standby loss	(W)	233
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.18%	2,560.010	97.3%
90	50	1.30%	1,523.24	97.2%
50	100	1.97%	2,305.59	95.6%
50	50	1.20%	1,406.94	95.4%
50	25	0.94%	1,097.33	95.1%
10	100	1.81%	2,117.90	82.6%
10	50	1.12%	1,313.08	81.7%
10	25	0.88%	1,033.50	80.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-51100-KXX-4+SI**

IE2 EFFICIENCY: **97.5%**

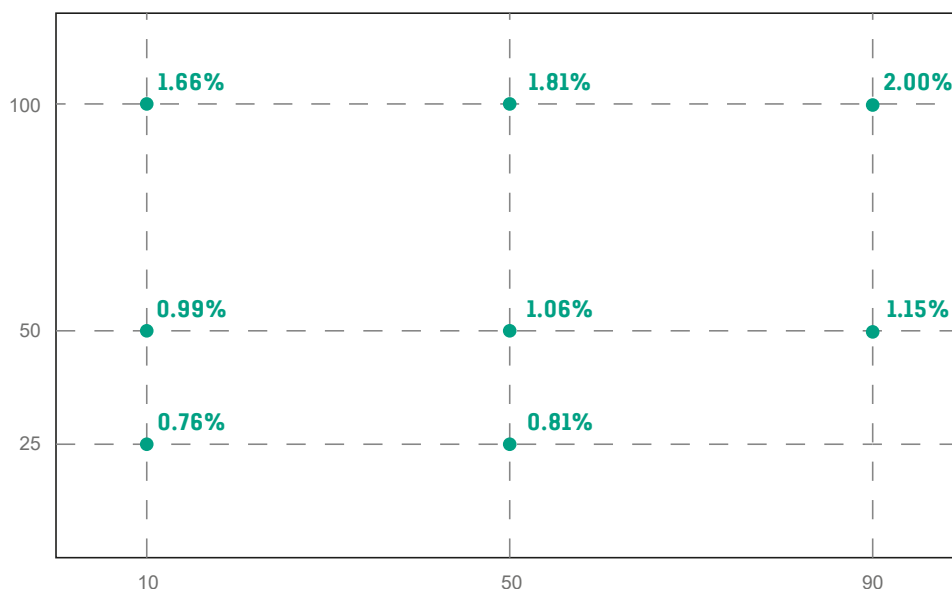
Code **S9021WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	110
Nominal current	(A)	210
Nominal apparent power	(kVA)	136.8
Standby loss	(W)	250
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	2.00%	2,729.58	97.5%
90	50	1.15%	1,572.72	97.5%
50	100	1.81%	2,471.35	96.0%
50	50	1.06%	1,452.39	95.9%
50	25	0.81%	1,112.86	95.7%
10	100	1.66%	2,272.56	83.8%
10	50	0.99%	1,352.05	83.5%
10	25	0.76%	1,044.33	82.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61320-KXX-4+SI**

IE2 EFFICIENCY: **97.9%**

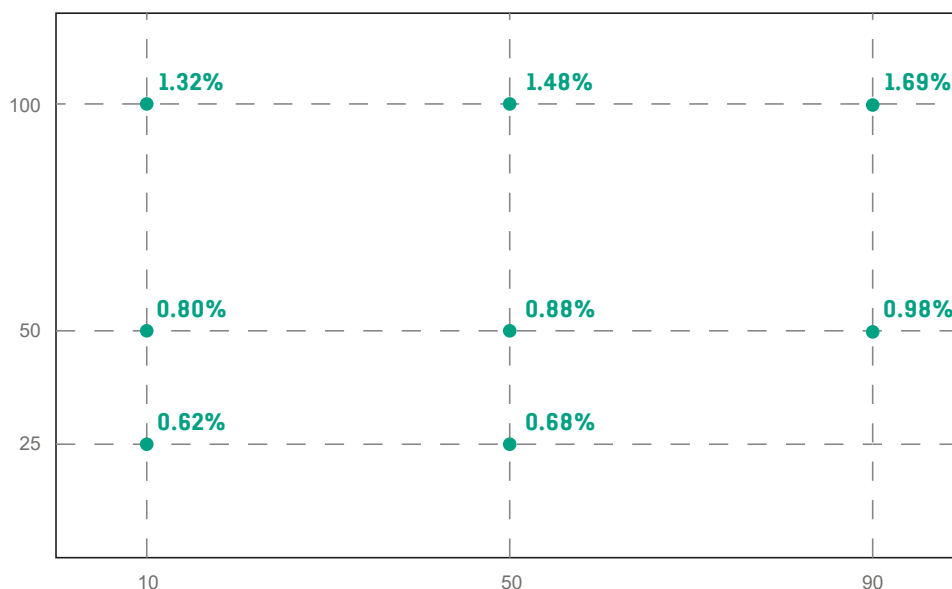
Code **S9022WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	132
Nominal current	(A)	250
Nominal apparent power	(kVA)	162.8
Standby loss	(W)	250
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	2,744.30	97.9%
90	50	0.98%	1,591.12	97.9%
50	100	1.48%	2,403.95	96.7%
50	50	0.88%	1,431.91	96.6%
50	25	0.68%	1,104.65	96.4%
10	100	1.32%	2,147.84	86.7%
10	50	0.80%	1,301.04	86.2%
10	25	0.62%	1,014.75	85.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61600-KXX-4+SI**

IE2 EFFICIENCY: **97.9%**

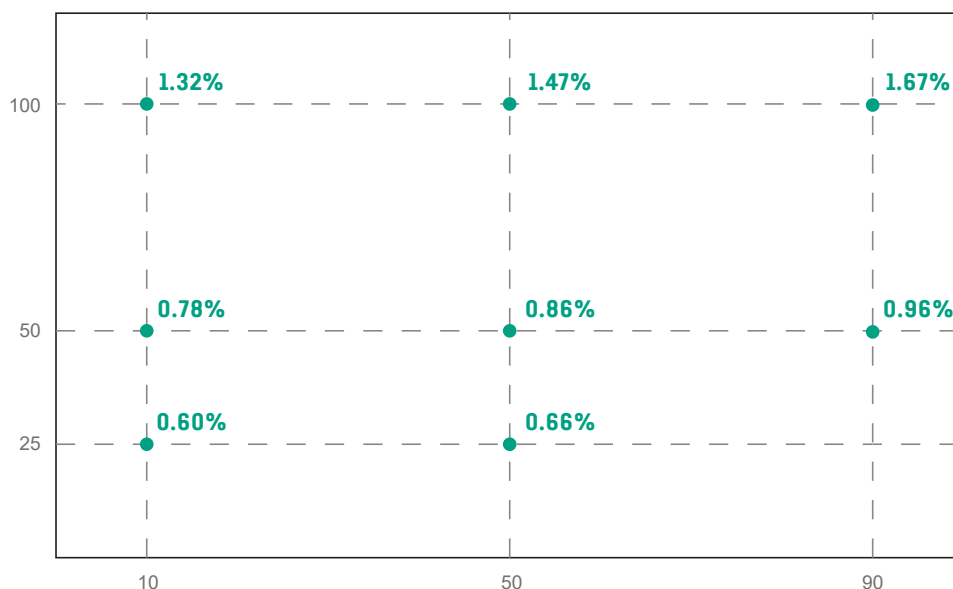
Code **S9023WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	160
Nominal current	(A)	300
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	297
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.67%	3,268.18	97.9%
90	50	0.96%	1,866.06	97.9%
50	100	1.47%	2,874.24	96.7%
50	50	0.86%	1,679.88	96.7%
50	25	0.66%	1,284.51	96.5%
10	100	1.32%	2,571.29	86.7%
10	50	0.78%	1,524.30	86.5%
10	25	0.60%	1,177.41	85.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61600-KXX-4-SI-IT**

IE2 EFFICIENCY: **97.9%**

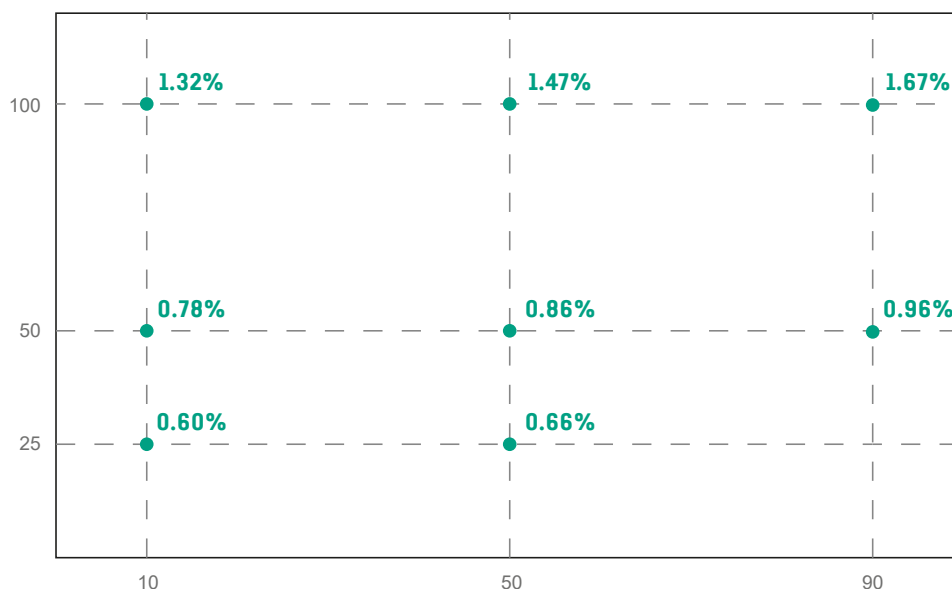
Code **S9023WSIT**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	160
Nominal current	(A)	300
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	297
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.67%	3,268.18	97.9%
90	50	0.96%	1,866.06	97.9%
50	100	1.47%	2,874.24	96.7%
50	50	0.86%	1,679.88	96.7%
50	25	0.66%	1,284.51	96.5%
10	100	1.32%	2,571.29	86.7%
10	50	0.78%	1,524.30	86.5%
10	25	0.60%	1,177.41	85.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72000-KXX-4+SI**

IE2 EFFICIENCY: **98.0%**

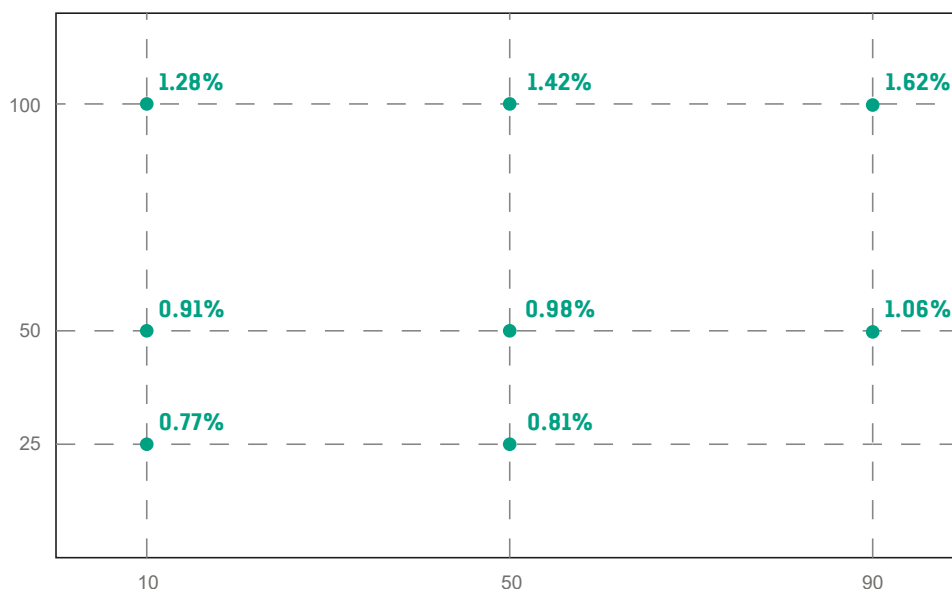
Code **S9024WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	200
Nominal current	(A)	385
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	369
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	4,064.68	98.0%
90	50	1.06%	2,666.06	97.6%
50	100	1.42%	3,570.97	96.8%
50	50	0.98%	2,448.46	96.1%
50	25	0.81%	2,034.58	95.4%
10	100	1.28%	3,208.51	87.2%
10	50	0.91%	2,272.01	84.3%
10	25	0.77%	1,918.83	81.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72500-KXX-4+SI**

IE2 EFFICIENCY: **97.9%**

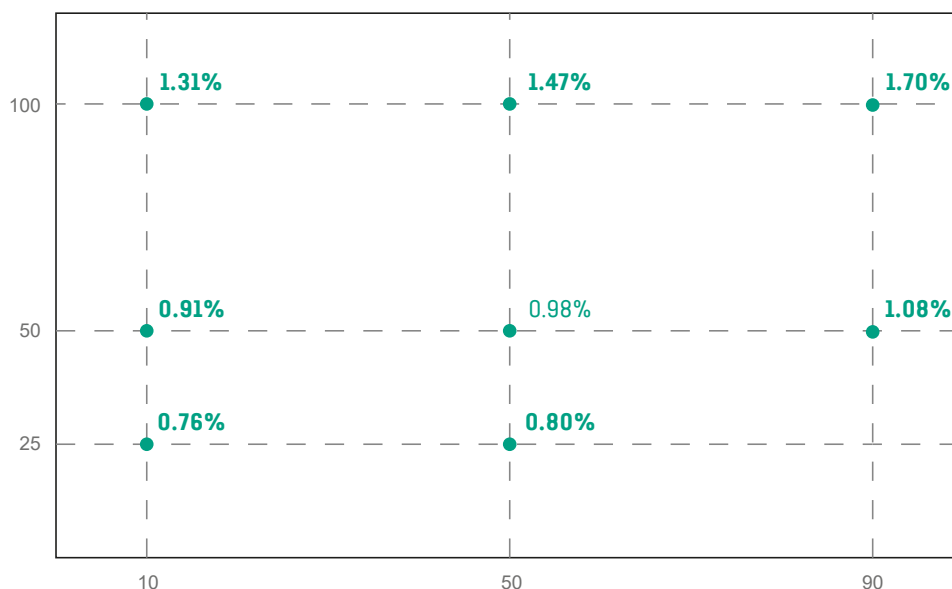
Code **S9025WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	250
Nominal current	(A)	460
Nominal apparent power	(kVA)	300
Standby loss	(W)	464
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.70%	5,102.33	97.9%
90	50	1.08%	3,240.77	97.6%
50	100	1.47%	4,401.58	96.7%
50	50	0.98%	2,945.42	96.1%
50	25	0.80%	2,409.42	95.5%
10	100	1.31%	3,920.37	86.9%
10	50	0.91%	2,718.92	84.3%
10	25	0.76%	2,263.24	81.8%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73150-KXX-4+SI**

IE2 EFFICIENCY: **98.0%**

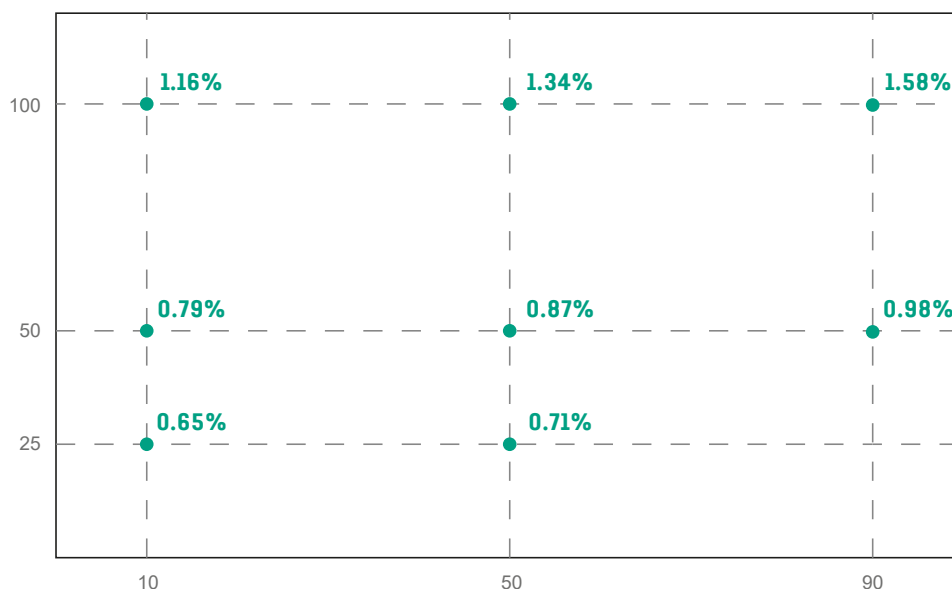
Code **S9026WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	315
Nominal current	(A)	590
Nominal apparent power	(kVA)	384.2
Standby loss	(W)	551
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.58%	6,060.92	98.0%
90	50	0.98%	3,759.27	97.8%
50	100	1.34%	5,132.83	97.0%
50	50	0.87%	3,360.33	96.5%
50	25	0.71%	2,712.92	96.0%
10	100	1.16%	4,476.26	88.2%
10	50	0.79%	3,046.55	86.0%
10	25	0.65%	2,508.89	83.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73550-KXX-4+SI**

IE2 EFFICIENCY: **98.0%**

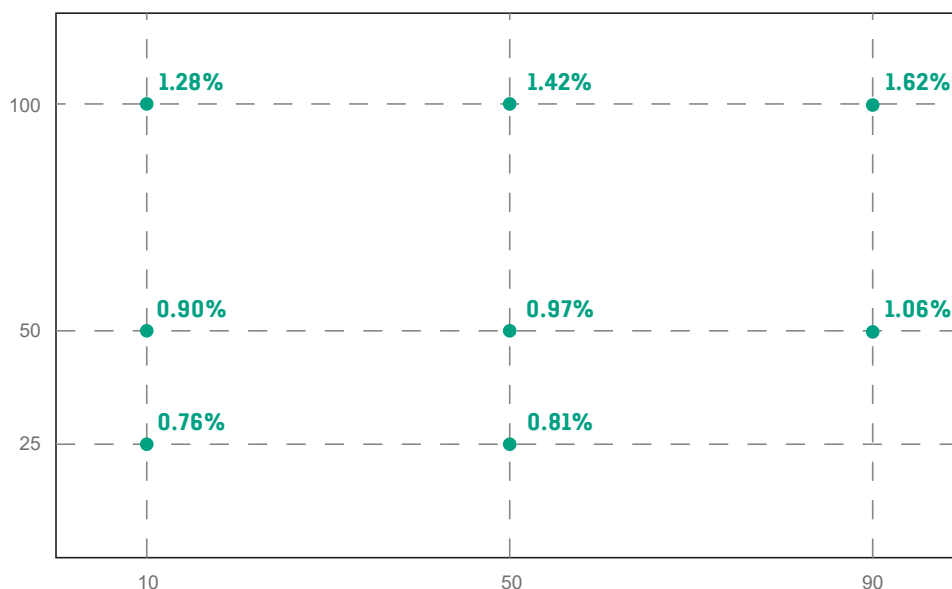
Code **S9027WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	623
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	6,857.07	98.0%
90	50	1.06%	4,484.69	97.6%
50	100	1.42%	6,024.15	96.8%
50	50	0.97%	4,120.51	96.2%
50	25	0.81%	3,417.56	95.5%
10	100	1.28%	5,421.67	87.2%
10	50	0.90%	3,828.59	84.3%
10	25	0.76%	3,226.50	81.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4+S1**

IE2 EFFICIENCY: **98.0%**

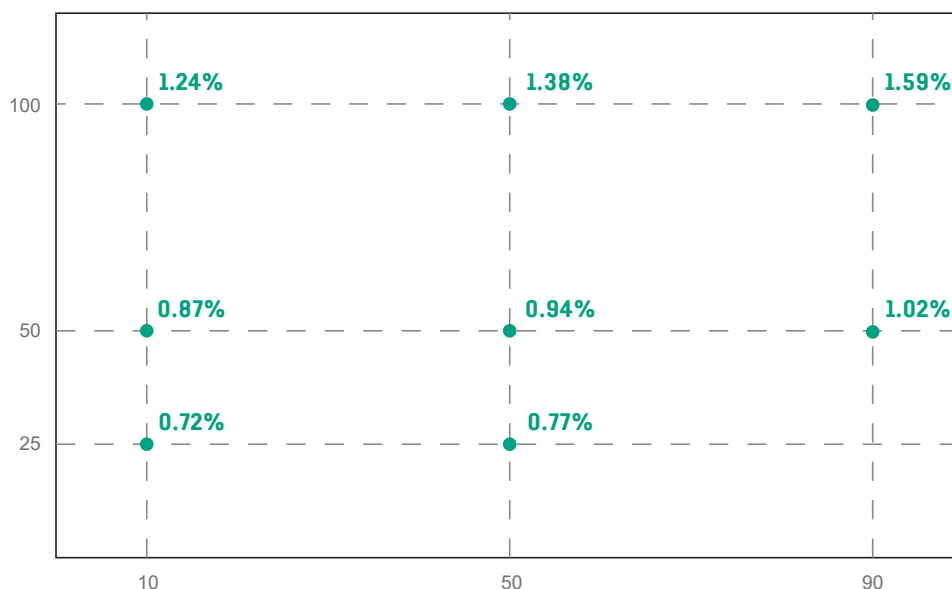
Code **S9028WS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3220-KXX-4-DC+S1**

IE2 EFFICIENCY: **97.7%**

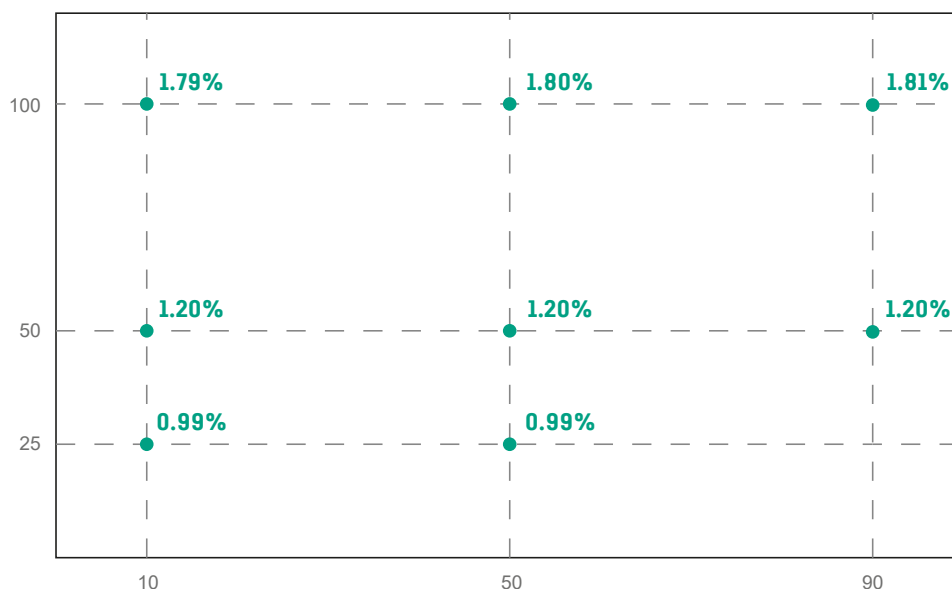
Code **S9010WC**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	22
Nominal current	(A)	46
Nominal apparent power	(kVA)	30
Standby loss	(W)	49
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.81%	540.83	97.7%
90	50	1.20%	358.04	97.5%
50	100	1.80%	538.80	95.9%
50	50	1.20%	358.28	95.5%
50	25	0.99%	296.40	95.1%
10	100	1.79%	536.77	82.6%
10	50	1.20%	358.53	81.0%
10	25	0.99%	296.99	79.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-3300-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.8%**

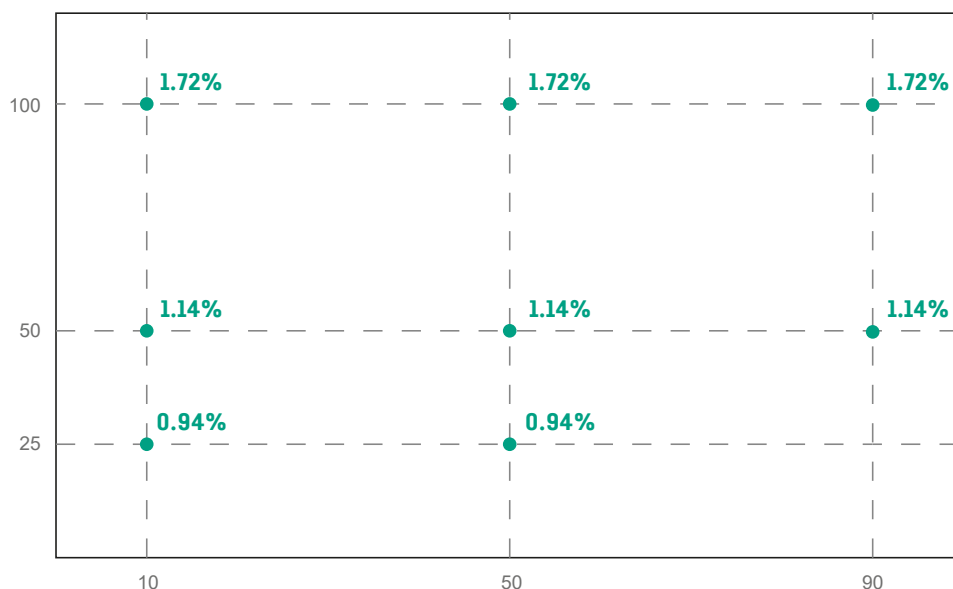
Code **S9011WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	30
Nominal current	(A)	62
Nominal apparent power	(kVA)	40.4
Standby loss	(W)	82
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.72%	694.74	97.8%
90	50	1.14%	458.86	97.6%
50	100	1.72%	694.30	96.1%
50	50	1.14%	460.01	95.7%
50	25	0.94%	378.43	95.3%
10	100	1.72%	693.86	83.2%
10	50	1.14%	461.16	81.7%
10	25	0.94%	379.69	80.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4370-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.9%**

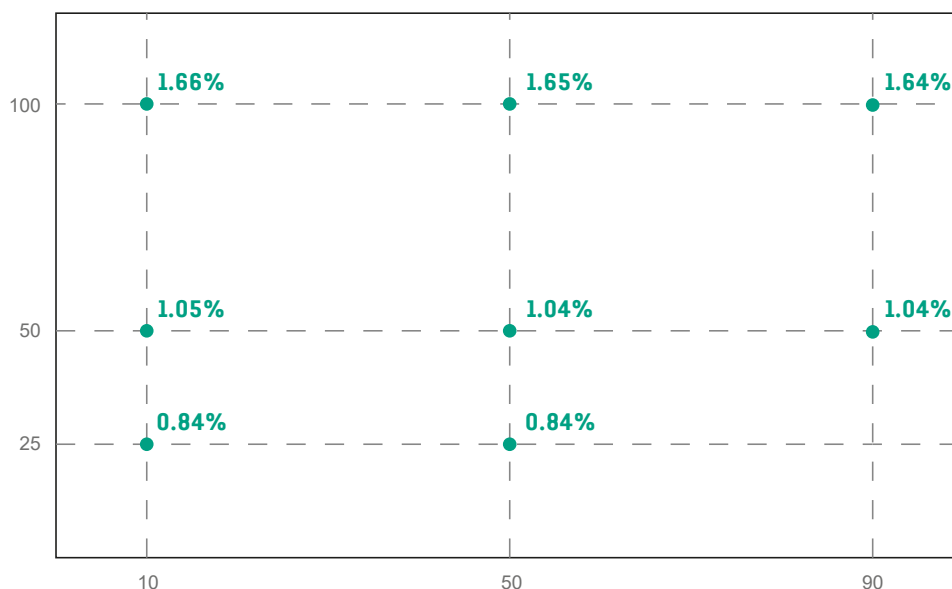
Code **S9012WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	37
Nominal current	(A)	75
Nominal apparent power	(kVA)	48.9
Standby loss	(W)	73
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.64%	802.64	97.9%
90	50	1.04%	507.46	97.7%
50	100	1.65%	805.67	96.3%
50	50	1.04%	510.09	95.9%
50	25	0.84%	408.66	95.5%
10	100	1.66%	808.71	83.7%
10	50	1.05%	512.72	82.4%
10	25	0.84%	410.80	80.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4450-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.9%**

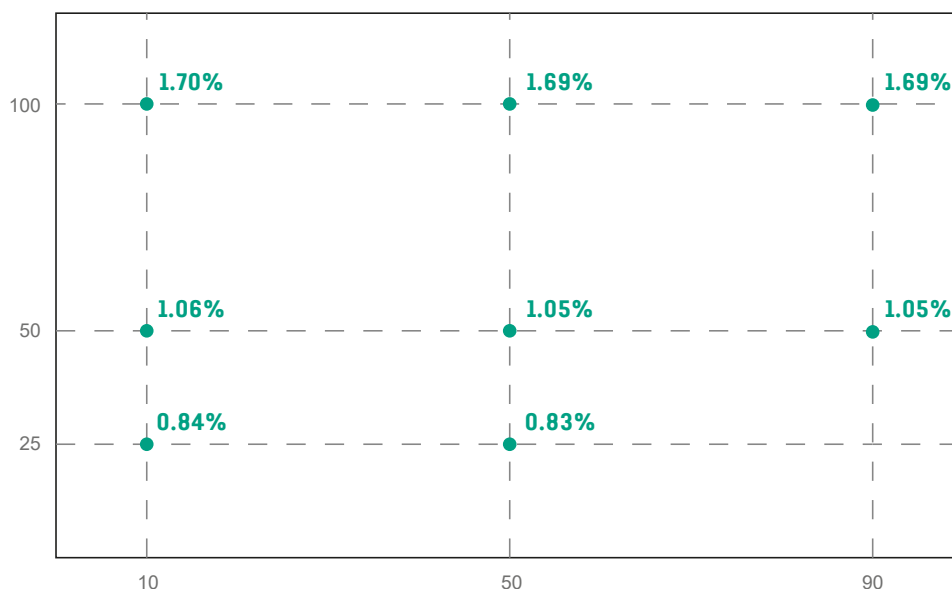
Code **S9013WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	45
Nominal current	(A)	87
Nominal apparent power	(kVA)	56.7
Standby loss	(W)	87
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	957.16	97.9%
90	50	1.05%	593.16	97.7%
50	100	1.69%	960.26	96.2%
50	50	1.05%	596.09	96.0%
50	25	0.83%	472.43	95.6%
10	100	1.70%	963.35	83.5%
10	50	1.06%	599.02	82.5%
10	25	0.84%	474.87	81.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-4550-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.9%**

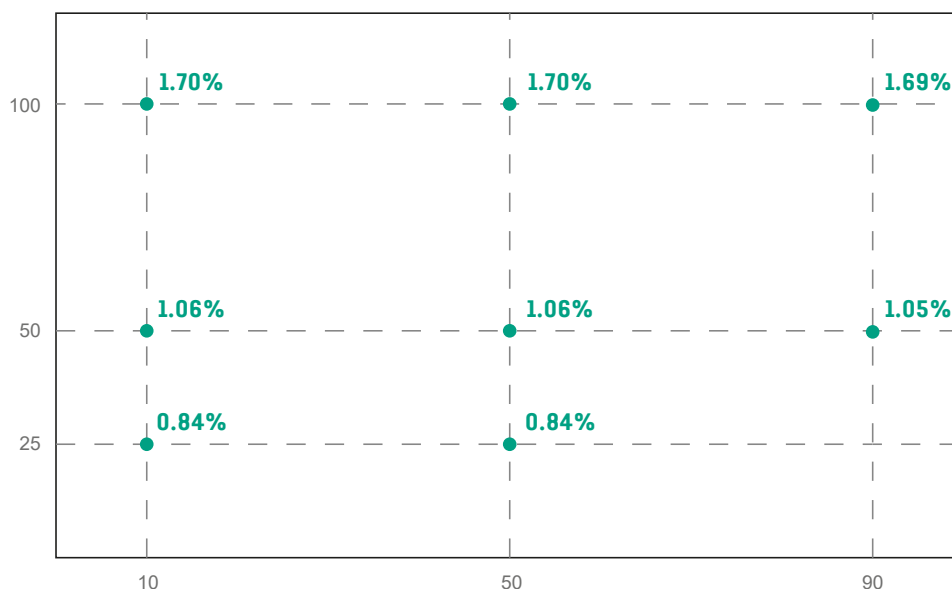
Code **S9014WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	55
Nominal current	(A)	105
Nominal apparent power	(kVA)	68.4
Standby loss	(W)	105
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.69%	1,156.78	97.9%
90	50	1.05%	719.40	97.7%
50	100	1.70%	1,161.08	96.2%
50	50	1.06%	723.12	95.9%
50	25	0.84%	571.05	95.6%
10	100	1.70%	1,165.38	83.5%
10	50	1.06%	726.85	82.4%
10	25	0.84%	574.08	81.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5750-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.9%**

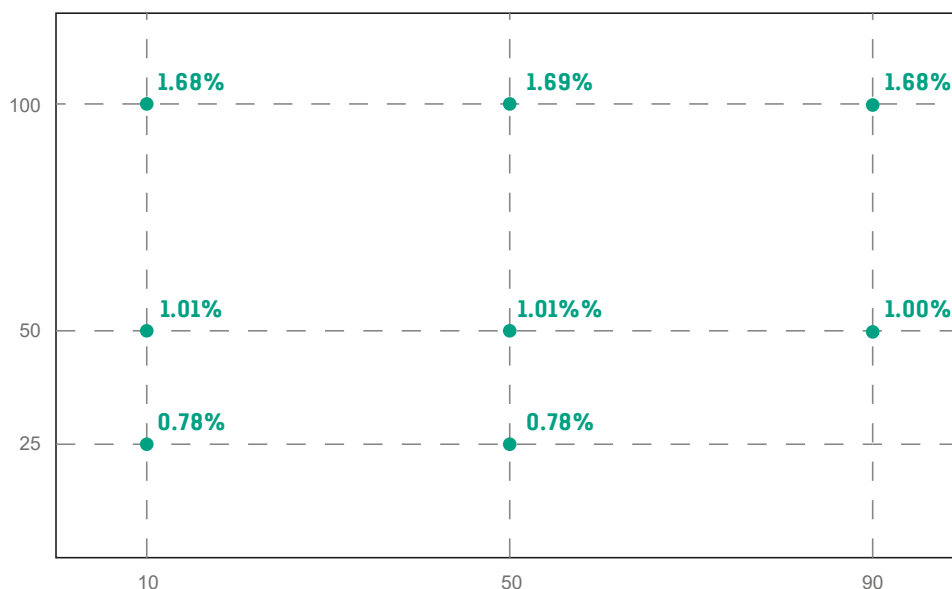
Code **S9015WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	57
Nominal current	(A)	150
Nominal apparent power	(kVA)	97.7
Standby loss	(W)	149
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.68%	1,642.57	97.9%
90	50	1.00%	978.00	97.8%
50	100	1.69%	1,646.31	96.2%
50	50	1.01%	982.51	96.1%
50	25	0.78%	759.56	95.9%
10	100	1.69%	1,650.04	83.6%
10	50	1.01%	987.02	83.2%
10	25	0.78%	763.48	82.2%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-5900-KXX-4-DC+SI**

IE2 EFFICIENCY: **97.8%**

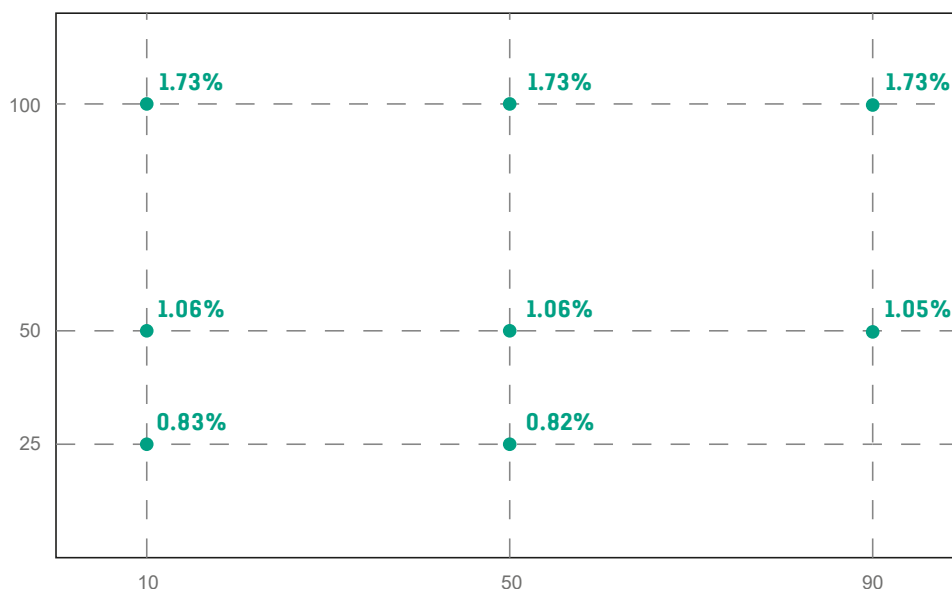
Code **S9016WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	90
Nominal current	(A)	180
Nominal apparent power	(kVA)	117.2
Standby loss	(W)	184
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.73%	2,022.31	97.8%
90	50	1.05%	1,231.94	97.7%
50	100	1.73%	2,026.79	96.1%
50	50	1.06%	1,237.35	95.9%
50	25	0.82%	964.51	95.6%
10	100	1.73%	2,031.28	83.2%
10	50	1.06%	1,242.77	82.5%
10	25	0.83%	969.21	81.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-51100-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.0%**

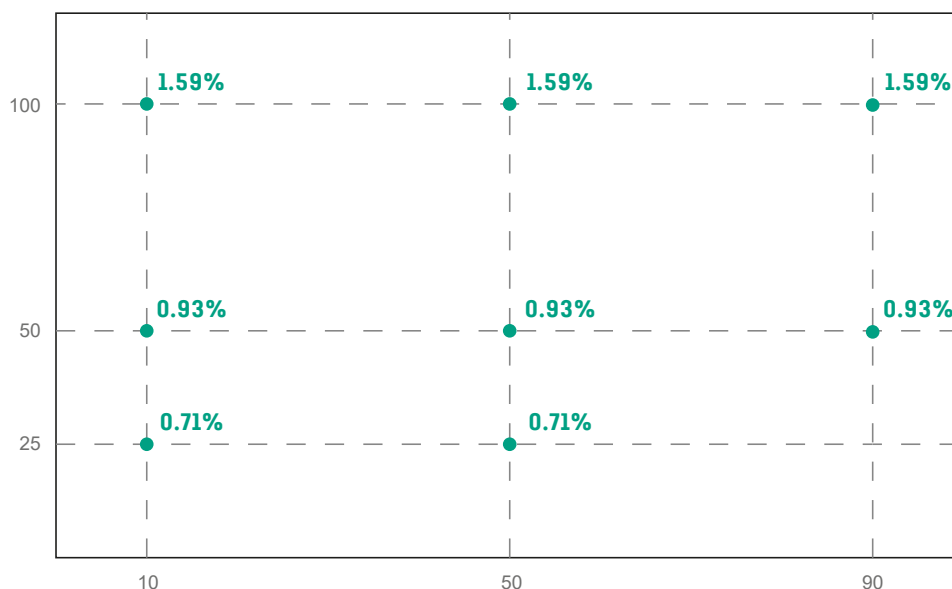
Code **S9017WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	110
Nominal current	(A)	210
Nominal apparent power	(kVA)	136.8
Standby loss	(W)	198
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	2,175.96	98.0%
90	50	0.93%	1,266.43	98.0%
50	100	1.59%	2,177.82	96.4%
50	50	0.93%	1,271.61	96.4%
50	25	0.71%	970.73	96.2%
10	100	1.59%	2,179.68	84.4%
10	50	0.93%	1,276.79	84.2%
10	25	0.71%	975.61	83.5%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61320-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.4%**

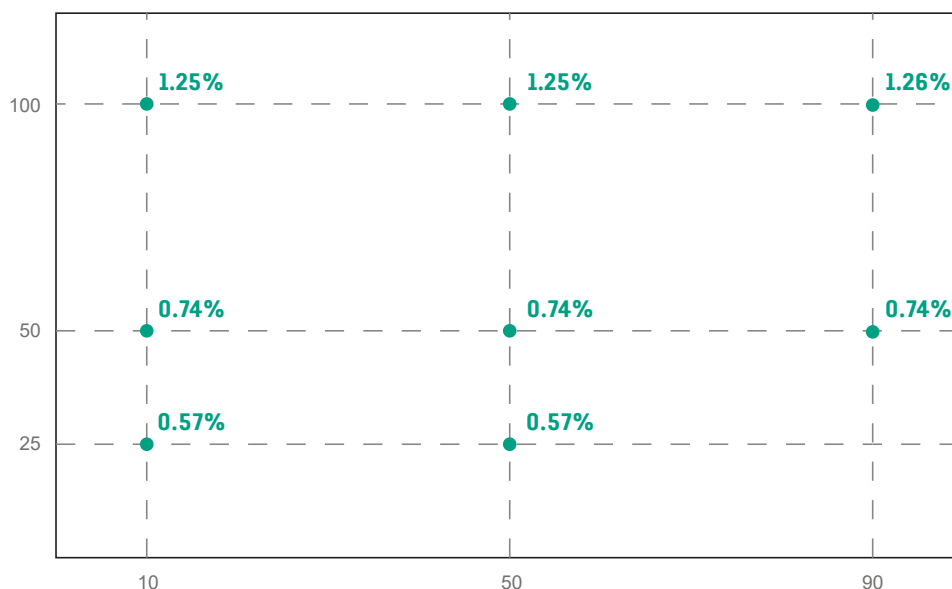
Code **S9018WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	132
Nominal current	(A)	250
Nominal apparent power	(kVA)	162.8
Standby loss	(W)	186
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.26%	2,049.01	98.4%
90	50	0.74%	1,212.92	98.4%
50	100	1.25%	2,041.89	97.2%
50	50	0.74%	1,211.07	97.1%
50	25	0.57%	931.49	96.9%
10	100	1.25%	2,034.76	87.3%
10	50	0.74%	1,209.21	87.0%
10	25	0.57%	930.78	86.3%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-61600-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.4%**

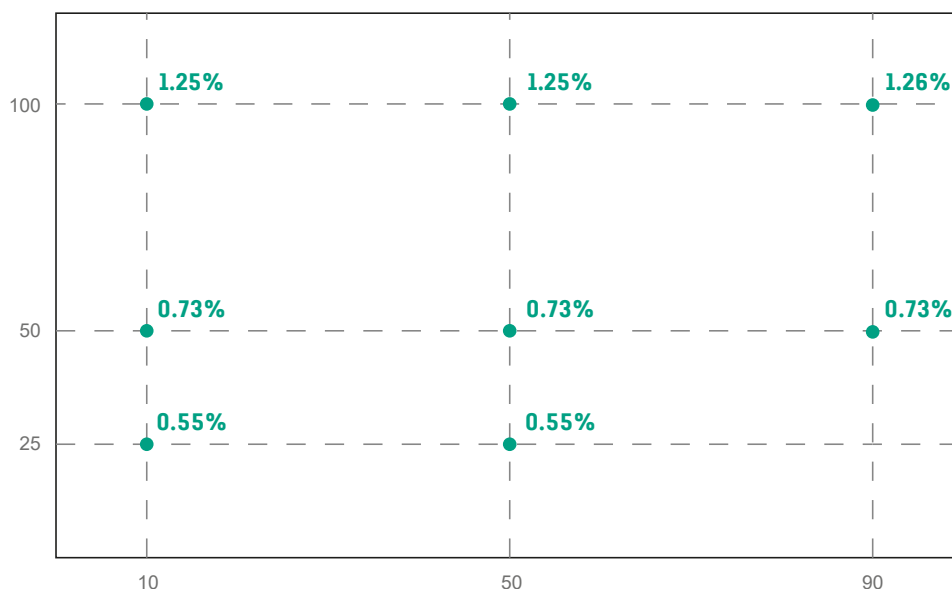
Code **S9019WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	160
Nominal current	(A)	300
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	224
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.26%	2,463.22	98.4%
90	50	0.73%	1,424.63	98.4%
50	100	1.25%	2,451.47	97.2%
50	50	0.73%	1,421.32	97.2%
50	25	0.55%	1,081.92	97.0%
10	100	1.25%	2,439.71	87.3%
10	50	0.73%	1,418.02	87.3%
10	25	0.55%	1,080.50	86.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72000-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.5%**

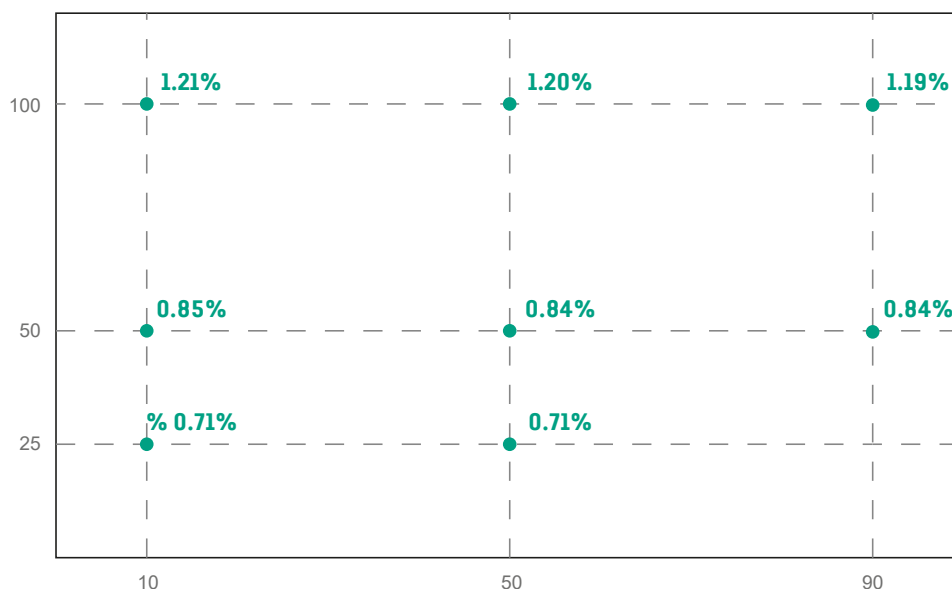
Code **S9020WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	200
Nominal current	(A)	385
Nominal apparent power	(kVA)	195.4
Standby loss	(W)	271
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	2,983.19	98.5%
90	50	0.84%	2,099.17	98.1%
50	100	1.20%	3,008.62	97.3%
50	50	0.84%	2,115.69	96.7%
50	25	0.71%	1,779.87	96.0%
10	100	1.21%	3,034.04	87.8%
10	50	0.85%	2,132.20	85.1%
10	25	0.71%	1,791.99	82.6%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-72500-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.5%**

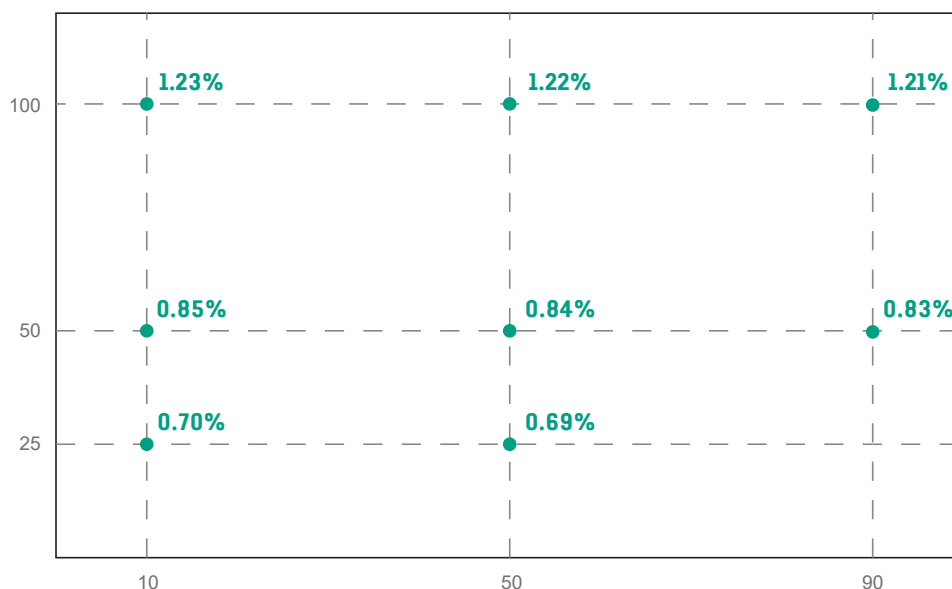
Code **S9021WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	250
Nominal current	(A)	460
Nominal apparent power	(kVA)	300
Standby loss	(W)	464
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.21%	3,634.48	98.5%
90	50	0.83%	2,496.74	98.1%
50	100	1.22%	3,663.77	97.3%
50	50	0.84%	2,515.55	96.7%
50	25	0.69%	2,080.73	96.1%
10	100	1.23%	3,693.05	87.6%
10	50	0.85%	2,534.35	85.2%
10	25	0.70%	2,094.48	82.9%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-73150-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.7%**

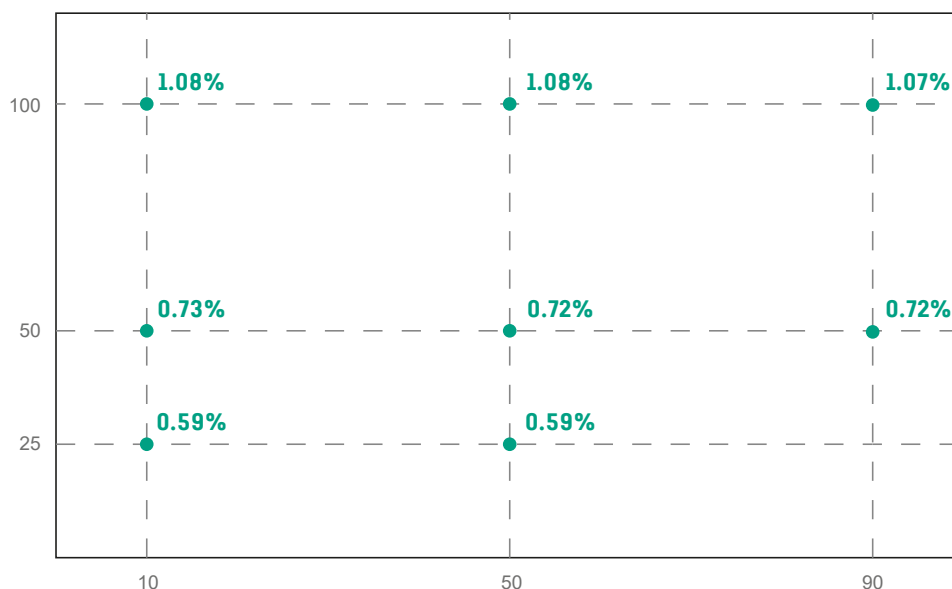
Code **S9022WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	315
Nominal current	(A)	590
Nominal apparent power	(kVA)	384.2
Standby loss	(W)	372
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.07%	4,096.76	98.7%
90	50	0.72%	2,749.93	98.4%
50	100	1.08%	4,131.78	97.6%
50	50	0.72%	2,773.25	97.1%
50	25	0.59%	2,263.78	96.6%
10	100	1.08%	4,166.79	88.9%
10	50	0.73%	2,796.58	87.0%
10	25	0.59%	2,281.03	85.1%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73550-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.5%**

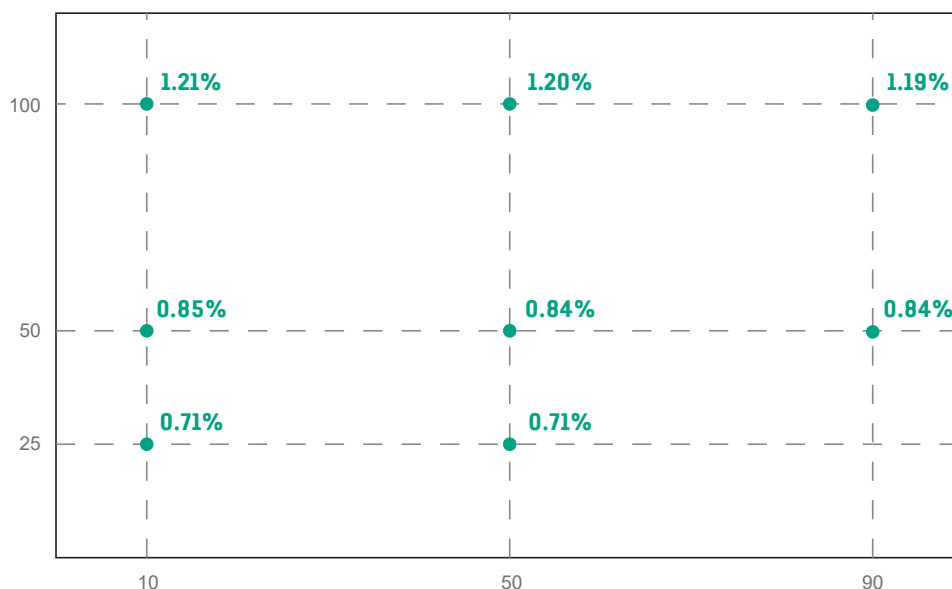
Code **S9023WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	458
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	5,036.29	98.5%
90	50	0.84%	3,536.01	98.1%
50	100	1.20%	5,083.12	97.3%
50	50	0.84%	3,565.12	96.7%
50	25	0.71%	2,992.50	96.0%
10	100	1.21%	5,129.95	87.8%
10	50	0.85%	3,594.23	85.2%
10	25	0.71%	3,013.54	82.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4-DC+SI**

IE2 EFFICIENCY: **98.6%**

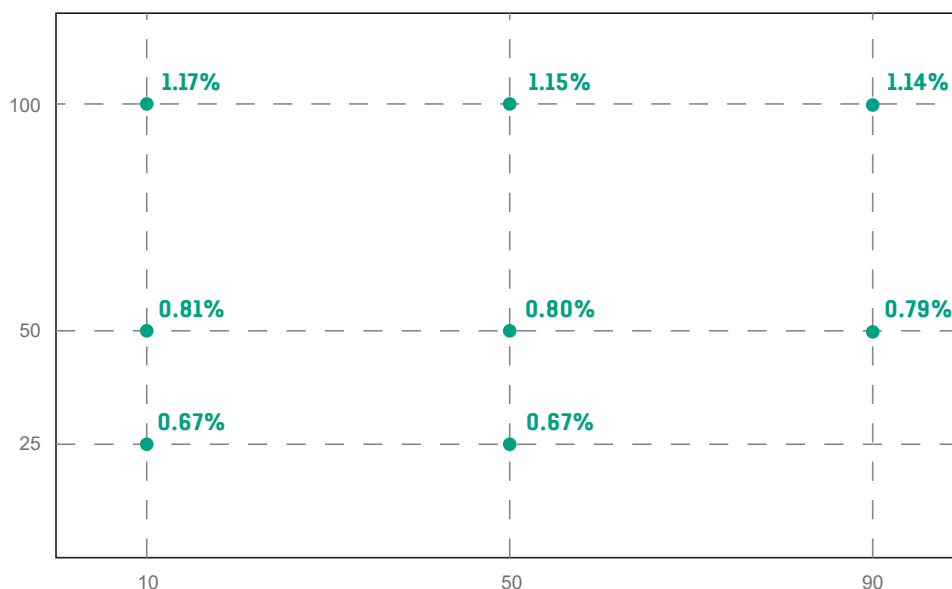
Code **S9024WCS**

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 400 kW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.5%

Code Type (Master)

S9025WMC ADV200-WA-72500-KXX-4-MS 05-DC-SI

Code Type (Slave)

S9025WSC ADV200-WA-72500-XXX-4-SL-DC

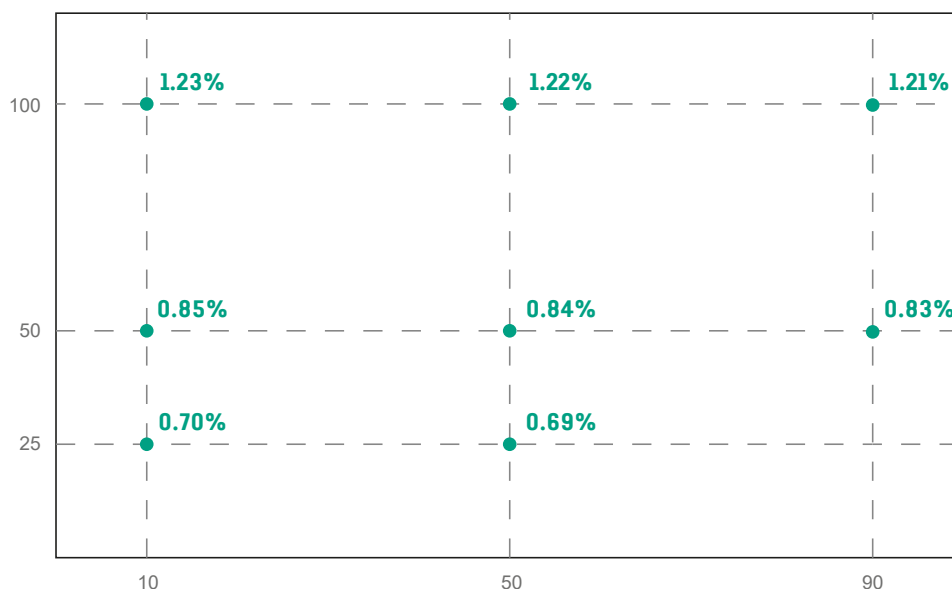
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.21%	3,634.48	98.5%
90	50	0.83%	2,496.74	98.1%
50	100	1.22%	3,663.77	97.3%
50	50	0.84%	2,515.55	96.7%
50	25	0.69%	2,080.73	96.1%
10	100	1.23%	3,693.05	87.6%
10	50	0.85%	2,534.35	85.2%
10	25	0.70%	2,094.48	82.9%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	250
Nominal current	(A)	460
Nominal apparent power	(kVA)	300
Standby loss	(W)	464
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 500 kW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.7%

Code Type (Master)

S9026WMC ADV200-WA-73150-KXX-4 -MS 06-DC-SI

Code Type (Slave)

S9026WSC ADV200-WA-73150-XXX-4 -SL-DC

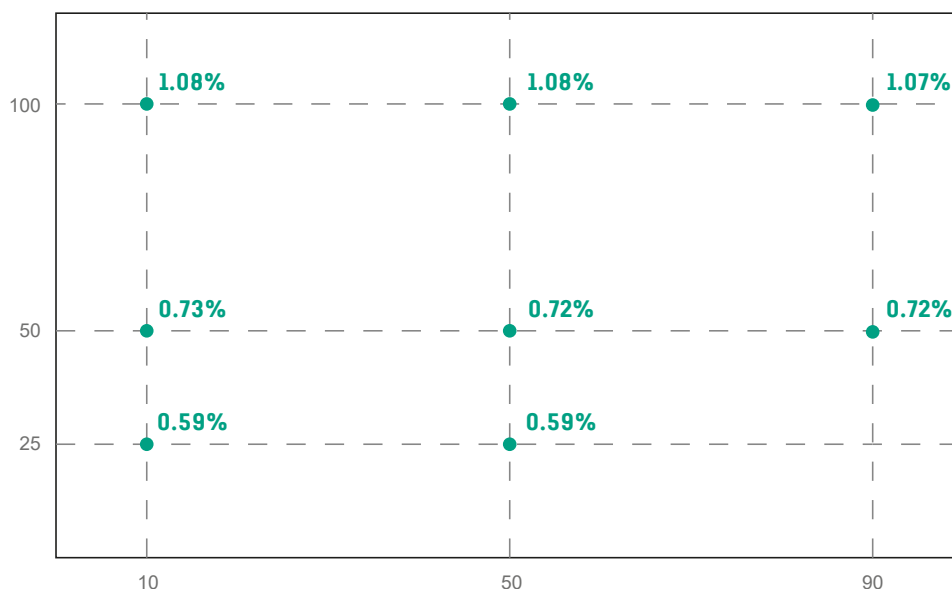
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.07%	4,096.76	98.7%
90	50	0.72%	2,749.93	98.4%
50	100	1.08%	4,131.78	97.6%
50	50	0.72%	2,773.25	97.1%
50	25	0.59%	2,263.78	96.6%
10	100	1.08%	4,166.79	88.9%
10	50	0.73%	2,796.58	87.0%
10	25	0.59%	2,281.03	85.1%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	315
Nominal current	(A)	590
Nominal apparent power	(kVA)	384.2
Standby loss	(W)	372
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 630 kW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.5%

Code Type (Master)

S9027WMC ADV200-WA-73550-KXX-4- MS 07-DC-SI

Code Type (Slave)

S9027WSC ADV200-WA-73550-XXX-4- SL-DC

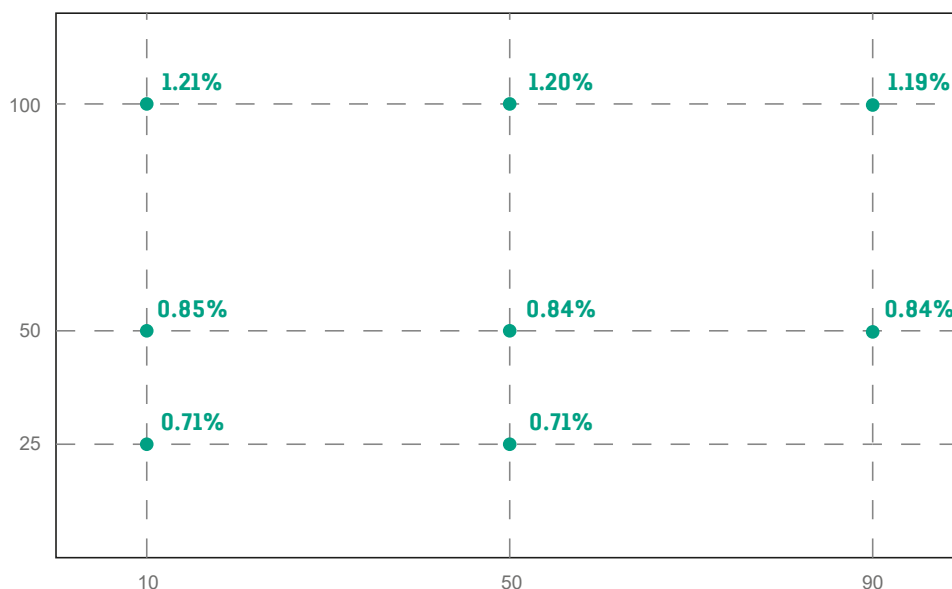
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	5,036.29	98.5%
90	50	0.84%	3,536.01	98.1%
50	100	1.20%	5,083.12	97.3%
50	50	0.84%	3,565.12	96.7%
50	25	0.71%	2,992.50	96.0%
10	100	1.21%	5,129.95	87.8%
10	50	0.85%	3,594.23	85.2%
10	25	0.71%	3,013.54	82.7%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	458
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 710 kW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.6%

Code Type (Master)

S9028WMC ADV200-WA-74000-KXX-4-MS 08-DC-SI

Code Type (Slave)

S9027WSC ADV200-WA-74000-XXX-4-SL-DC

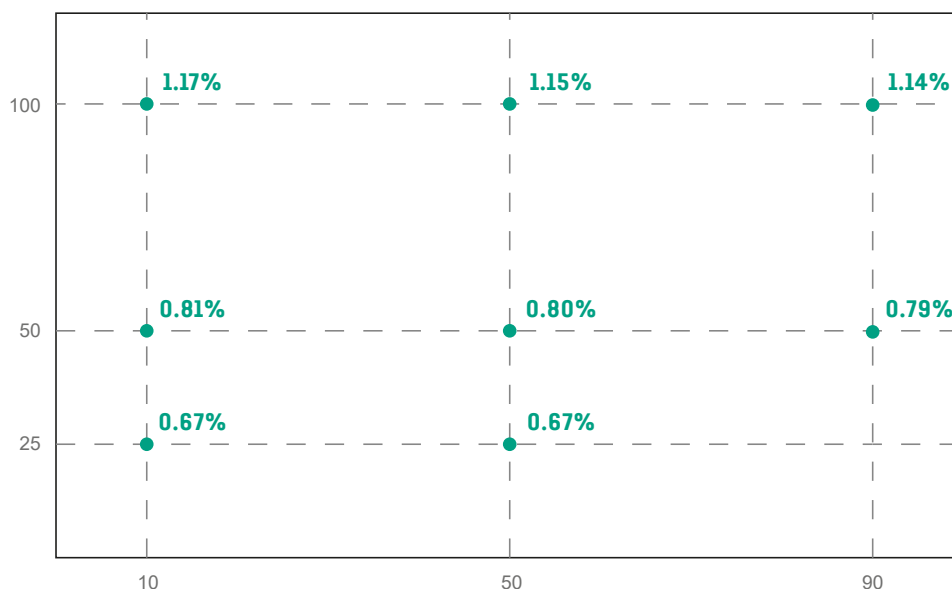
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 900 kW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.5%

Code Type (Master)

S9027WM2 ADV200-WA-73550-KXX-4-MS 10-DC-SI

Code Type (Slave)

S9027WSC ADV200-WA-73550-XXX-4-SL-DC

S9027WSC ADV200-WA-73550-XXX-4-SL-DC

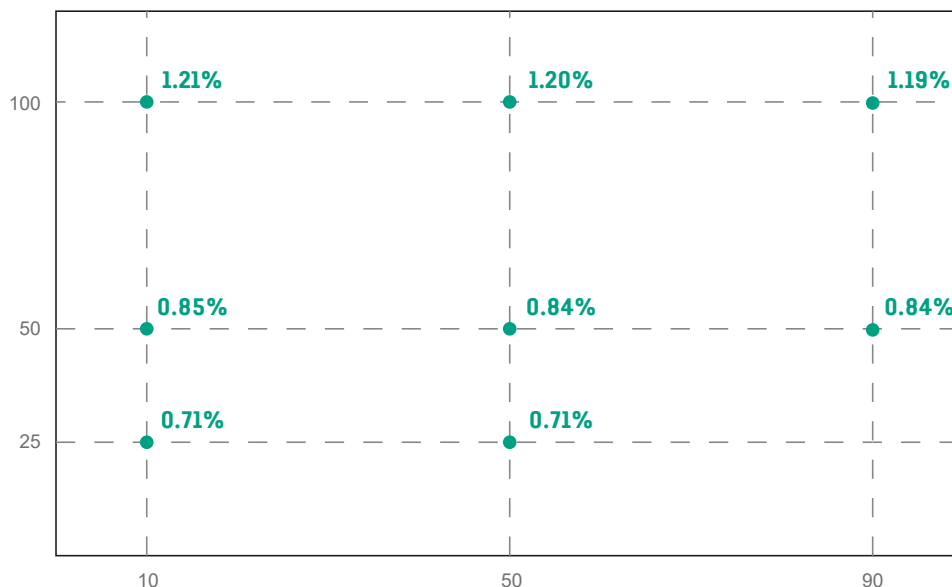
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.19%	5,036.29	98.5%
90	50	0.84%	3,536.01	98.1%
50	100	1.20%	5,083.12	97.3%
50	50	0.84%	3,565.12	96.7%
50	25	0.71%	2,992.50	96.0%
10	100	1.21%	5,129.95	87.8%
10	50	0.85%	3,594.23	85.2%
10	25	0.71%	3,013.54	82.7%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	458
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 1 MW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.6%

Code Type (Master)

S9028WM2 ADV200-WA-74000-KXX-4-MS 12-DC-SI

Code Type (Slave)

S9027WSC ADV200-WA-74000-XXX-4-SL-DC

S9027WSC ADV200-WA-74000-XXX-4-SL-DC

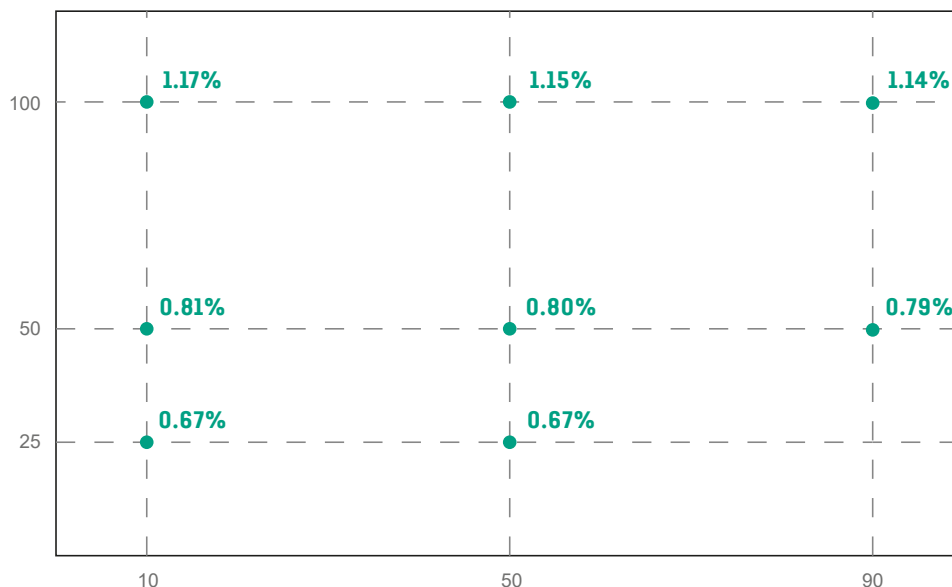
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 1.35 MW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.6%

Code **S9028WM3** Type (Master) **ADV200-WA-74000-KXX-4-MS 15-DC-SI**

Code **S9027WSC** Type (Slave) **ADV200-WA-74000-XXX-4-SL-DC**

S9027WSC **ADV200-WA-74000-XXX-4-SL-DC**

S9027WSC1 **ADV200-WA-74000-XXX-4-SL2-DC**

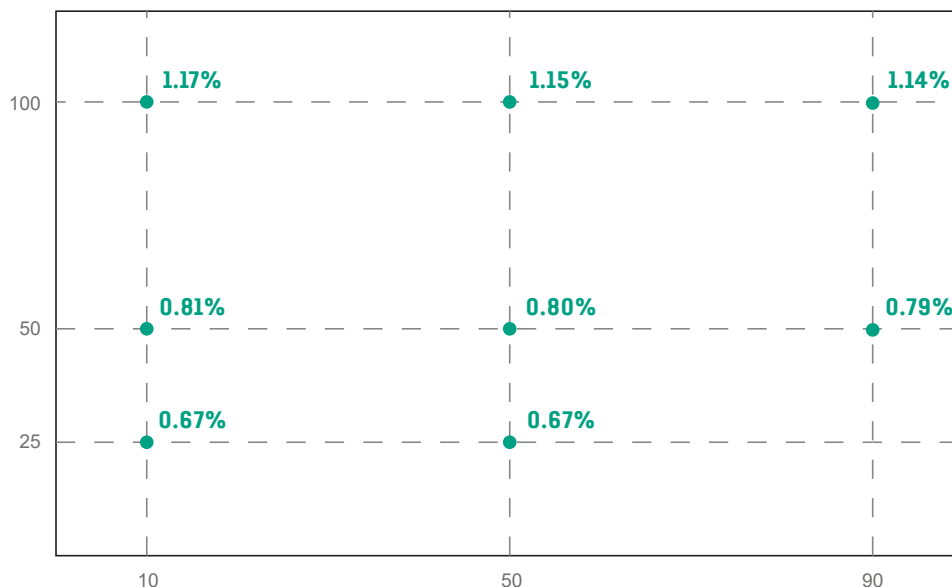
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

ADV200-WA-4-DC, PARALLEL CONFIG.: 1.65 MW

Pn at 400Vac (HD)

IE2 EFFICIENCY: 98.6%

Code Type (Master)
S9028WM4 ADV200-WA-74000-KXX-4-MS 18-DC-SI

Code Type (Slave)
S9027WSC ADV200-WA-74000-XXX-4-SL-DC

S9027WSC ADV200-WA-74000-XXX-4-SL-DC

S9027WSC1 ADV200-WA-74000-XXX-4-SL2-DC

S9027WSC1 ADV200-WA-74000-XXX-4-SL2-DC

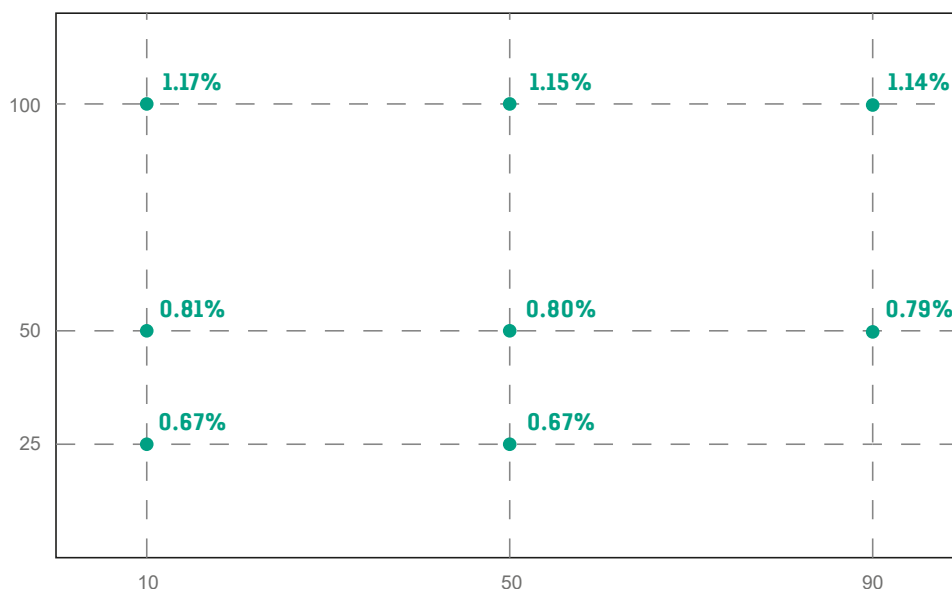
Values for each master and slave(s) units:

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.14%	5,425.02	98.6%
90	50	0.79%	3,775.94	98.2%
50	100	1.15%	5,482.00	97.4%
50	50	0.80%	3,810.01	96.8%
50	25	0.67%	3,175.24	96.2%
10	100	1.17%	5,538.97	88.2%
10	50	0.81%	3,844.08	85.8%
10	25	0.67%	3,199.55	83.4%

Rated supply voltage(s)	(VAC)	400
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	493
Nominal apparent frequency	(Hz)	50
Maximum operating temperature *	(°C)	40

* without derating

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-73550-KXX-4A-SI**

IE2 EFFICIENCY: **98.0%**

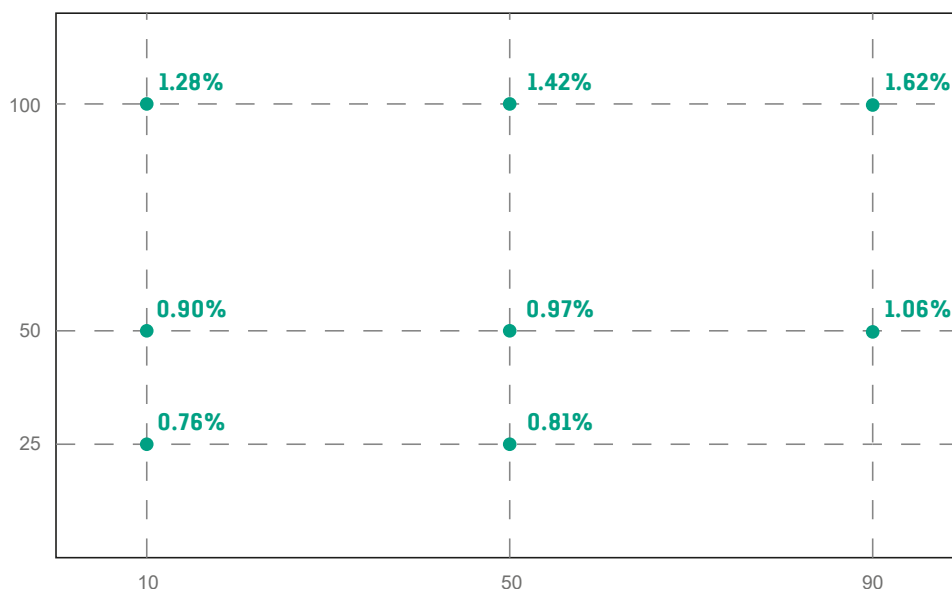
Code **S9029WS**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	623
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	6,857.07	98.0%
90	50	1.06%	4,484.69	97.6%
50	100	1.42%	6,024.15	96.8%
50	50	0.97%	4,120.51	96.2%
50	25	0.81%	3,417.56	95.5%
10	100	1.28%	5,421.67	87.2%
10	50	0.90%	3,828.59	84.3%
10	25	0.76%	3,226.50	81.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4A**

IE2 EFFICIENCY: **98.0%**

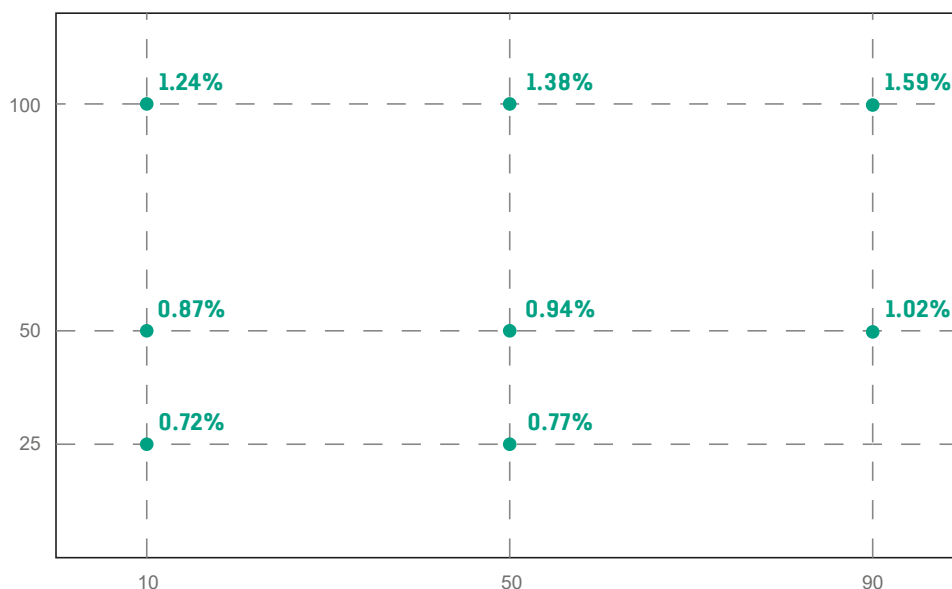
Code **S9030W**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-XXX-4A-SL**

IE2 EFFICIENCY: **98.0%**

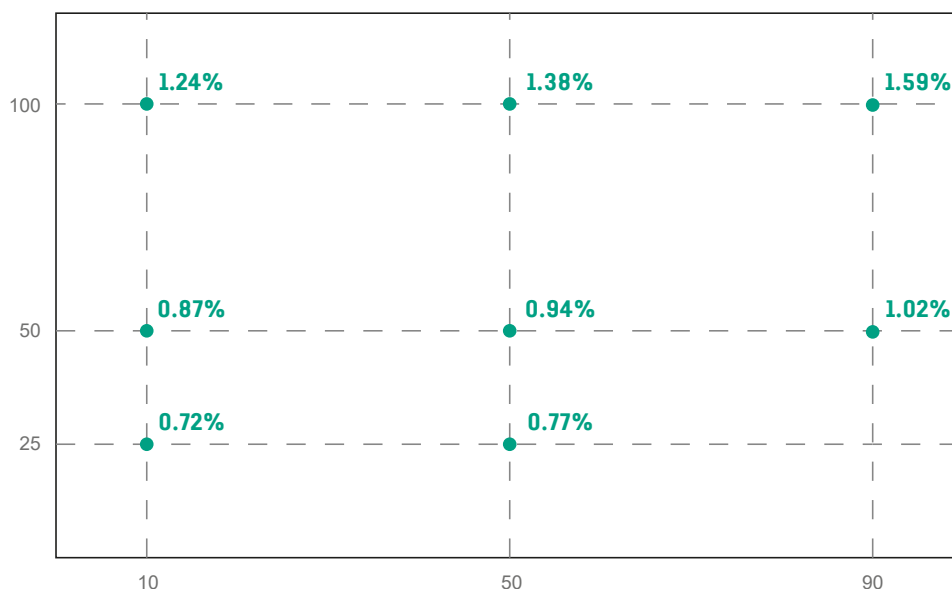
Code **S9030WL**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4A-SI**

IE2 EFFICIENCY: **98.0%**

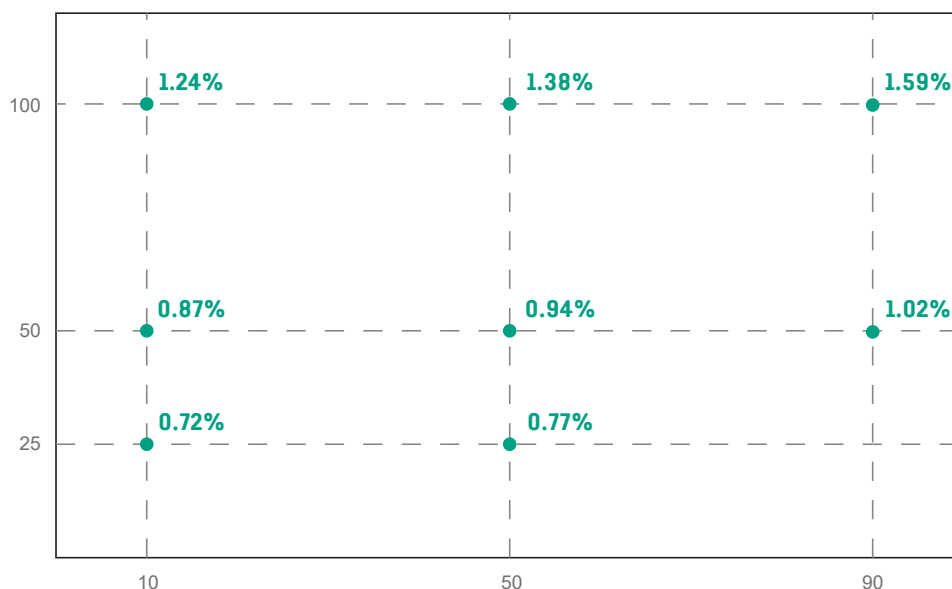
Code **S9030WS**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4A-MS 08 -SI**

IE2 EFFICIENCY: **98.0%**

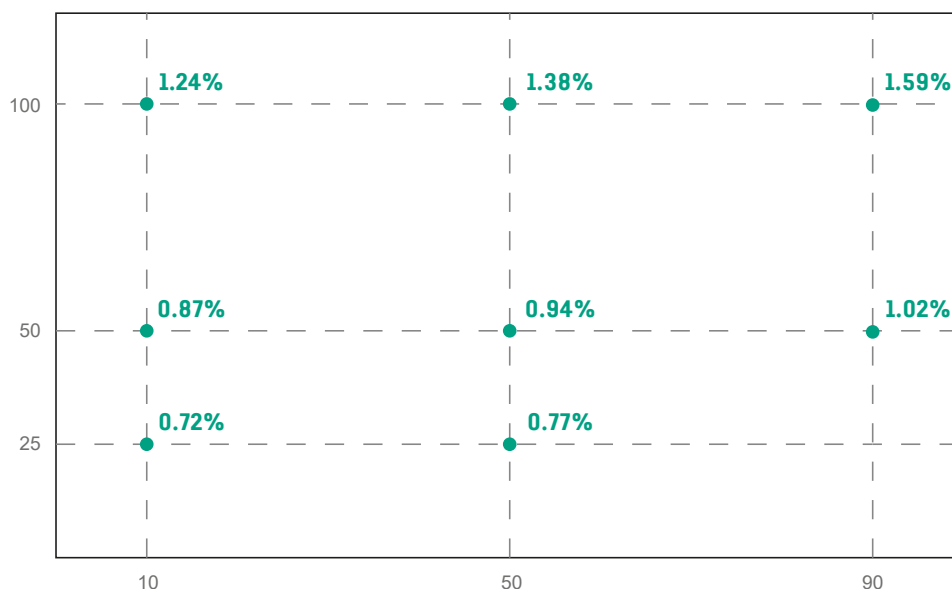
Code **S9030WM**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WJA-74000-KXX-4A-MS 12 -SI**

IE2 EFFICIENCY: **98.0%**

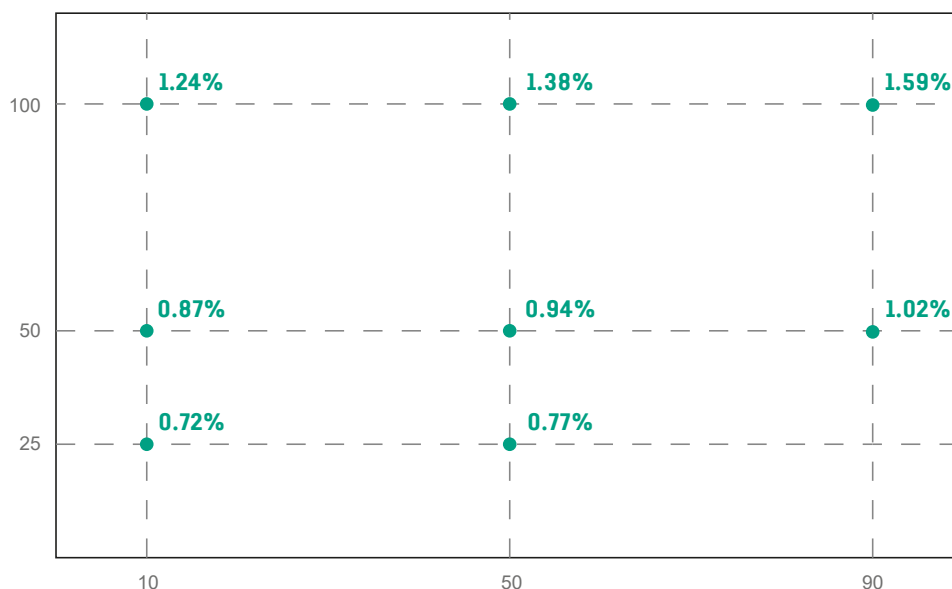
Code **S9030WM1**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-73550-XXX-4A-SL-DC**

IE2 EFFICIENCY: **98.0%**

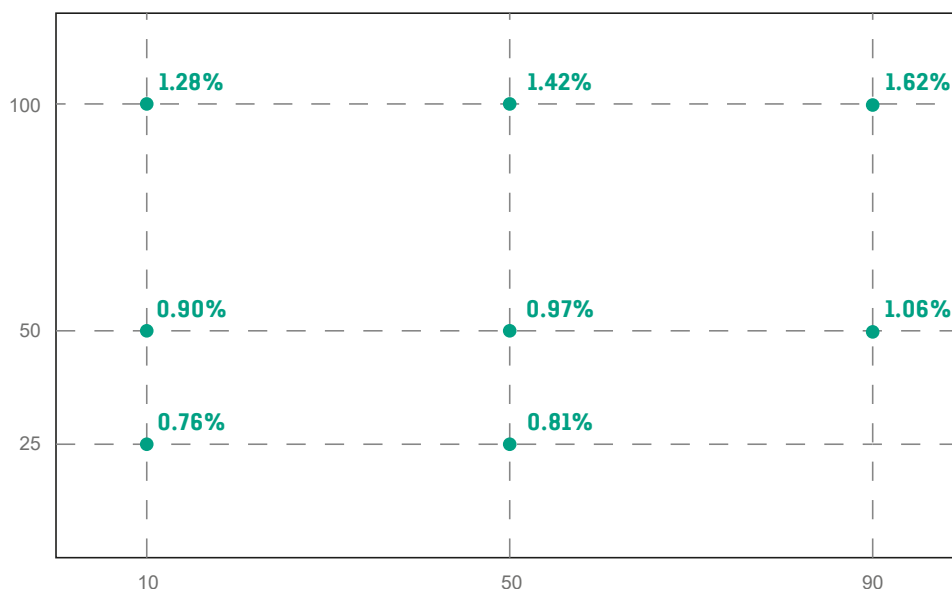
Code **S9029WSC**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	355
Nominal current	(A)	650
Nominal apparent power	(kVA)	423.3
Standby loss	(W)	623
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.62%	6,857.07	98.0%
90	50	1.06%	4,484.69	97.6%
50	100	1.42%	6,024.15	96.8%
50	50	0.97%	4,120.51	96.2%
50	25	0.81%	3,417.56	95.5%
10	100	1.28%	5,421.67	87.2%
10	50	0.90%	3,828.59	84.3%
10	25	0.76%	3,226.50	81.7%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-XXX-4A-SL-DC**

IE2 EFFICIENCY: **98.0%**

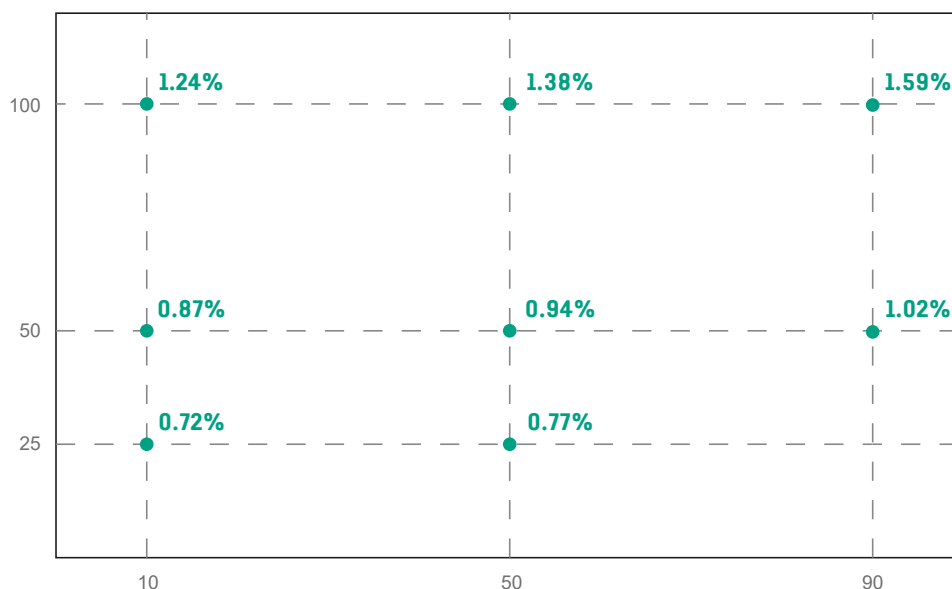
Code **S9030WSC**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4A-MS 12-DC-SI**

IE2 EFFICIENCY: **98.0%**

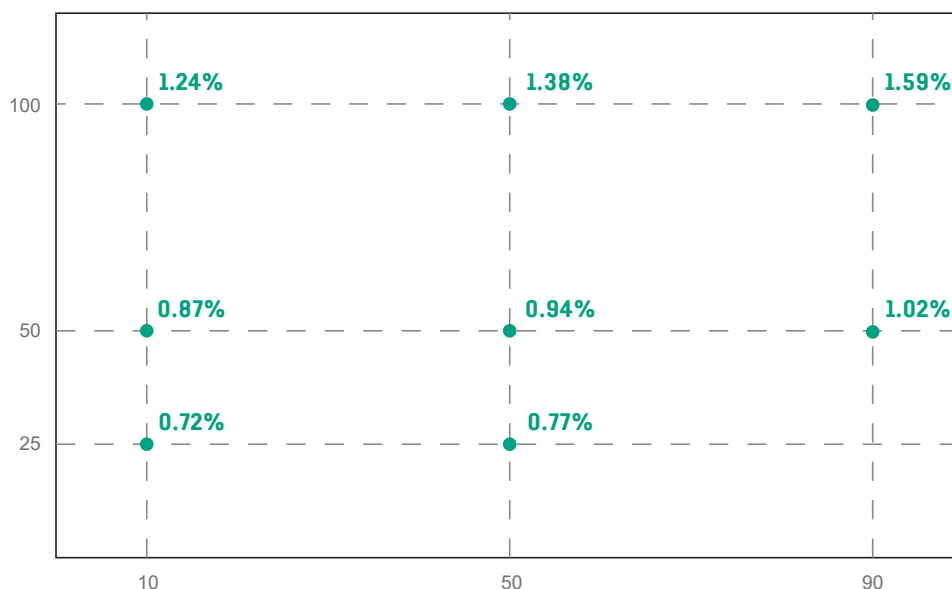
Code **S9030WM2**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS



ENERGY EFFICIENCY CERTIFICATE

Drive efficiency according to IEC 61800-9-2

Type **ADV200-WA-74000-KXX-4A-MS 08-DC-SI**

IE2 EFFICIENCY: **98.0%**

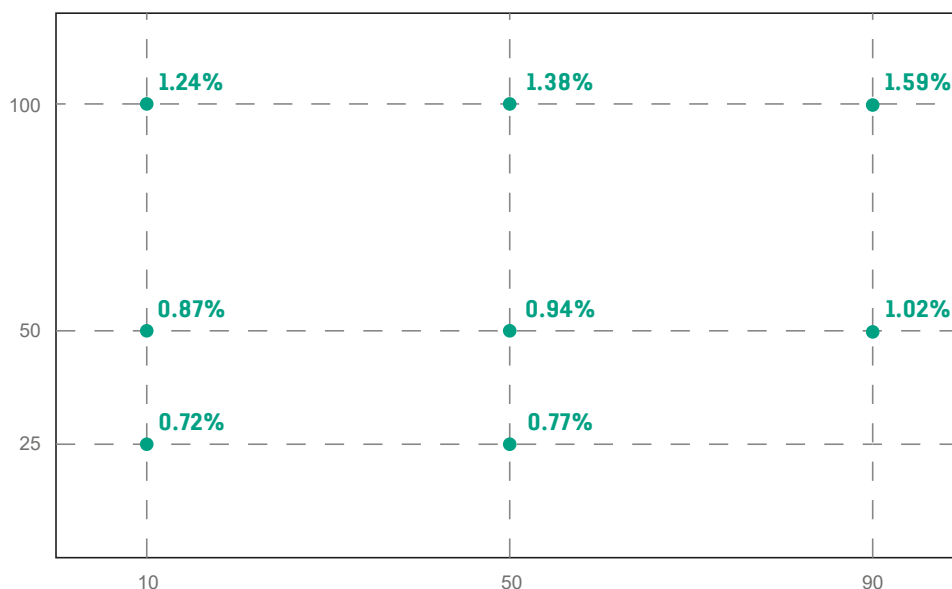
Code **S9030WMC**

Rated supply voltage(s)	(VAC)	460
Motor Power output	(kW)	400
Nominal current	(A)	730
Nominal apparent power	(kVA)	475.4
Standby loss	(W)	686
Nominal apparent frequency	(Hz)	60
Maximum operating temperature *	(°C)	40

* without derating

Frequency %	Current %	Relative loss	Absolute loss (W)	Efficiency %
90	100	1.59%	7,546.43	98.0%
90	50	1.02%	4,870.36	97.7%
50	100	1.38%	6,567.47	96.9%
50	50	0.94%	4,447.70	96.3%
50	25	0.77%	3,663.12	95.7%
10	100	1.24%	5,874.69	87.6%
10	50	0.87%	4,114.80	84.9%
10	25	0.72%	3,446.09	82.4%

RELATIVE LOSSES AT THE PREDEFINED OPERATING POINTS





Energy Efficiency Certificate

Series: ADV200-WA-4

Date: 15-12-2022

Code: 1S9ENEF03

WEG Automation Europe S.r.l.

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