



**Changes to legislation:** There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 626/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

1	17	205		1 to 8	- 30 to - 23	0	0	0
2	18	227		9	-22	0	0	1
3	19	225		10	-21	0	0	6
4	20	225		11	-20	0	0	13
5	21	216		12	-19	0	0	17
6	22	215		13	-18	0	0	19
7	23	218		14	-17	0	0	26
8	24	197		15	-16	0	0	39
9	25	178		16	-15	0	0	41
10	26	158		17	-14	0	0	35
11	27	137		18	-13	0	0	52
12	28	109		19	-12	0	0	37
13	29	88		20	-11	0	0	41
14	30	63		21	-10	1	0	43
15	31	39		22	-9	25	0	54
16	32	31		23	-8	23	0	90
17	33	24		24	-7	24	0	125
18	34	17		25	-6	27	0	169
19	35	13		26	-5	68	0	195
20	36	9		27	-4	91	0	278
21	37	4		28	-3	89	0	306
22	38	3		29	-2	165	0	454
23	39	1		30	-1	173	0	385
24	40	0		31	0	240	0	490
				32	1	280	0	533
				33	2	320	3	380
				34	3	357	22	228
				35	4	356	63	261
				36	5	303	63	279
				37	6	330	175	229
				38	7	326	162	269
				39	8	348	259	233
				40	9	335	360	230

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				41	10	315	428	243
				42	11	215	430	191
				43	12	169	503	146
				44	13	151	444	150
				45	14	105	384	97
				46	15	74	294	61
<b>Total</b>		2 602				4 910	3 590	6 446

TABLE 2

**Standard rating conditions, temperatures in ‘dry bulb’ air temperature (‘wet bulb’ indicated in brackets)**

Appliance	Function	Indoor air temperature(°C)	Outdoor air temperature(°C)
air conditioners, excluding single duct	cooling	27 (19)	35 (24)
	heating	20 (max. 15)	7(6)
single duct	cooling	35 (24)	35 (24) <sup>a</sup>
	heating	20 (12)	20 (12) <sup>a</sup>

**a** In case of single ducts, the condenser (evaporator) when cooling (heating), is not supplied with outdoor air, but indoor air.

TABLE 3

**Reference design conditions, temperatures in ‘dry bulb’ air temperature (‘wet bulb’ indicated in brackets)**

Function / season	Indoor air temperature(°C)	Outdoor air temperature(°C)	Bivalent temperature(°C)	Operating limit temperature(°C)
	T <sub>in</sub>	T <sub>designc</sub> / T <sub>designh</sub>	T <sub>biv</sub>	T <sub>ol</sub>
cooling	27 (19)	T <sub>designc</sub> = 35 (24)	n.a.	n.a.
heating / Average	20 (15)	T <sub>designh</sub> = - 10 (- 11)	max. 2	max. - 7
heating / Warmer		T <sub>designh</sub> = 2 (1)	max. 7	max. 2
heating / Colder		T <sub>designh</sub> = - 22 (- 23)	max. - 7	max. - 15

TABLE 4

**Operational hours per type of appliance per functional mode to be used for calculation of electricity consumption**

Type of appliance /	Unit	Heating season	On mode	Thermost off mode	Standby mode	Off mode	Crankcase heater mode
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functionality (if applicable)				cooling: $H_{CE}$ $H_{HE}$	$H_{TO}$ heating: $H_{HE}$	$H_{SB}$	$H_{OFF}$	$H_{CK}$
Air conditioners, except double ducts and single duct								
Cooling mode, if appliance offers cooling only		h/annum		350	221	2 142	5 088	7 760
Cooling and heating modes, if appliance offers both modes	Cooling mode	h/annum		350	221	2 142	0	2 672
	Heating mode	h/annum	Average	1 400	179	0	0	179
			Warmer	1 400	755	0	0	755
	Colder		2 100	131	0	0	131	
Heating mode, if appliance offers heating only		h/annum	Average	1 400	179	0	3 672	3 851
	Warmer		1 400	755	0	4 345	4 476	
	Colder		2 100	131	0	2 189	2 944	
Double duct air conditioner				cooling: $H_{CE}$ $H_{HE}$	$H_{TO}$ heating: $H_{HE}$	$H_{SB}$	$H_{OFF}$	$H_{CK}$
Cooling mode, if appliance offers cooling only		h/60 min		1	n/a	n/a	n/a	n/a
Cooling and heating modes, if appliance offers both modes	Cooling mode	h/60 min		1	n/a	n/a	n/a	n/a
	Heating mode	h/60 min		1	n/a	n/a	n/a	n/a
Heating mode, if appliance offers heating only		h/60 min		1	n/a	n/a	n/a	n/a
Single duct air conditioner				cooling: $H_{CE}$ $H_{HE}$	heating: $H_{HE}$			
Cooling mode		h/60 min		1	n/a	n/a	n/a	n/a
Heating mode		h/60 min		1	n/a	n/a	n/a	n/a

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### Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/539 Sch. 5 para. 5\(5\)](#)
- Annex 1(8) substituted by [S.I. 2019/539 Sch. 5 para. 5\(6\)](#)
- Annex 5(c) word substituted by [S.I. 2019/539 Sch. 5 para. 5\(9\)](#)
- Annex 3 para. 1.4 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(2\)](#)
- Annex 3 para. 1.5 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(3\)](#)
- Annex 3 para. 2.4 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(4\)](#)
- Annex 3 para. 2.5 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(5\)](#)
- Annex 3 para. 3.4 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(6\)](#)
- Annex 3 para. 3.5 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(7\)](#)
- Annex 3 para. 4.1 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(8\)](#)
- Annex 3 para. 4.2 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(9\)](#)
- Annex 3 para. 4.3 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(10\)](#)
- Annex 3 para. 4.4 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(11\)](#)
- Annex 3 para. 4.5 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(12\)](#)
- Annex 3 para. 4.6 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(13\)](#)
- Annex 3 para. 5.1 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(14\)](#)
- Annex 3 para. 5.2 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(15\)](#)
- Annex 3 para. 5.3 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(16\)](#)
- Annex 3 para. 5.4 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(17\)](#)
- Annex 3 para. 5.5 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(18\)](#)
- Annex 3 para. 5.6 image substituted by [S.I. 2020/1528 Sch. 5 para. 6\(19\)](#)
- Annex 3 s.0001para. 1.1 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(a\)](#)
- Annex 3 s.0002para. 2.1 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(b\)](#)
- Annex 3 s.0003para. 3.1 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(c\)](#)
- Annex 3 s.0004para. 4.1 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(d\)](#)
- Annex 3 s.0004para. 4.3 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(d\)](#)
- Annex 3 s.0004para. 4.5 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(d\)](#)
- Annex 3 s.0005para. 5.1 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(e\)](#)
- Annex 3 s.0005para. 5.3 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(e\)](#)
- Annex 3 s.0005para. 5.5 words inserted by [S.I. 2019/539 Sch. 5 para. 5\(7\)\(e\)](#)
- Annex 3 para. 1.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 2.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 3.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 4.2(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 4.4(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 4.6(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 5.2(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 5.4(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 5.6(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(a\)](#)
- Annex 3 para. 1.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 2.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 3.5(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 4.2(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 4.4(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 4.6(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 5.2(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 5.4(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)
- Annex 3 para. 5.6(iv) words substituted by [S.I. 2020/1528 Sch. 5 para. 6\(20\)\(b\)](#)

- Annex 3 para. 1.1 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(a) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 2.1 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(b) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 3.1 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(c) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 4.1 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(d) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 4.3 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(d) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 4.5 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(d) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 5.1 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(e) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 5.3 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(e) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 5.5 words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(7)(e) by [S.I. 2020/1528 reg. 4](#)
- Annex 7 para. 1 words substituted by [S.I. 2019/539 Sch. 5 para. 5\(10\)](#)
- Annex 8(7) omitted by [S.I. 2019/539 Sch. 5 para. 5\(11\)\(b\)](#)
- Annex 4 para. 1(c) substituted by [S.I. 2019/539 Sch. 5 para. 5\(8\)](#)
- Annex 4 para. 1(c) words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(8) by [S.I. 2020/1528 reg. 4](#)
- Art. 3(1)(c) words substituted by [S.I. 2019/539 Sch. 5 para. 5\(2\)](#)
- Art. 3(1)(c) words substituted in earlier amending provision S.I. 2019/539, Sch. 5 para. 5(2) by [S.I. 2020/1528 reg. 6\(1\)reg. 6\(2\)\(c\)\(v\)](#)