



<b>TEST REPORT</b> <b>COMMISSION REGULATION (EU) No 206/2012</b> <b>of 6 March 2012</b> <b>implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for air conditioners and comfort fans</b> <b>COMMISSION REGULATION (EU) No 626/2011</b> <b>of 4 May 2011</b> <b>supplementing Regulation(EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of air conditioners</b>	
<b>Report Reference No</b> .....	AHEE250200087951
Tested by (name + signature) .....	Jarvan Deng 
Approved by (+ signature) .....	Hunter Lin 
Date of issue .....	2025-03-11
Total number of pages .....	28 pages
<b>Testing Laboratory</b> .....	SGS-CSTC standards Technical Services Co., Ltd. Anhui Branch
Address .....	1/F&2/F, West Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, 230601 Anhui, China
<b>Applicant's name</b> .....	BAUF HOME GmbH
Address .....	Frankfurter Straße 16, 74072 Heilbronn, Germany
<b>Test specification:</b>	
Standard .....	COMMISSION REGULATION (EU) No 206/2012, (EU) No 626/2011, COMMISSION DELEGATED REGULATION(EU) 2023/2048
Test procedure .....	STR: Regulation(EU) 2017/1369 and Directive 2009/125/EC
Non-standard test method .....	None
<b>Test Report Form No.</b> .....	EEC_(EU) No 206/2012&626/2011 B
Test Report Form(s) Originator .....	SGS-CSTC
Master TRF .....	2023-09-01

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test item description .....	<b>Air Conditioner</b>
Trade Mark .....	<b>BAUF</b>
Manufacturer .....	Same as applicant
Model/Type reference .....	BRAC-SP-IM2-18-R3-I/BRAC-SP-IM2-18-R3-O
Ratings .....	Refer to marking plates
Factory.....	AUX AIR CONDITIONER CO., LTD. 1166 North Mingguang Road, Jiangshan, Yinzhou, Ningbo, 315191 Zhejiang, China

<b>Summary of testing:</b>	
<p><b>Tests performed (name of test and test clause):</b>          COMMISSION REGULATION (EU) No 206/2012,          COMMISSION REGULATION (EU) No 626/2011          The length of refrigerant lines between indoor unit and outdoor unit was 5 m.          The test result which covering test matching models was classed as A+++ of cooling, A++ for heating (average), A+++ for heating (warmer).          The tests were performed on model BRAC-SP-IM2-18-R3-I/BRAC-SP-IM2-18-R3-O.</p>	<p><b>Testing location:</b>          See page 1</p>

**Copy of marking plate** The artworks below maybe only a draft.

# BAUF

**Split Type  
Air Conditioner  
(Indoor Unit)**

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<b>Model</b>	BRAC-SP-IM2-18-R3-I
<b>Electric Shock Prevention</b>	Class 1
<b>Climates Type</b>	T1
<b>Power Supply</b>	220-240V~/50Hz
<b>Cooling Capacity</b>	5.4(1.30-5.90) kW
<b>Heating Capacity</b>	5.8(1.30-6.10) kW
<b>Cooling Power Input</b>	1.43(0.29-1.95) kW
<b>Heating Power Input</b>	1.33(0.25-1.80) kW
<b>Max. Input Current</b>	12 A
<b>Max. Discharged Pressure</b>	4.3 MPa
<b>Max. Suction Pressure</b>	2.5 MPa
<b>Refrigerant</b>	R32
<b>Refrigerant Quantity</b>	1.03 kg
<b>Indoor Unit Net Weight</b>	13 kg

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Nº XXXXXXXXXXXX 2024.12

Contains fluorinated greenhouse gases  
**Made in PRC**  
**BAUF HOME GmbH,**  
**Frankfurter Straße 16,**  
**74072 Heilbronn, Germany**

# BAUF

**Split Type  
Air Conditioner  
(Outdoor Unit)**

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<b>Model</b>	BRAC-SP-IM2-18-R3-O
<b>Power Supply</b>	220-240V~/50Hz
<b>Cooling Power Input</b>	1.43(0.29-1.95) kW
<b>Heating Power Input</b>	1.33(0.25-1.80) kW
<b>Max. Input Current</b>	12 A
<b>Refrigerant</b>	R32
<b>Refrigerant Quantity</b>	1.03 kg / 0.70tCO <sub>2</sub> eq.
<b>Water-proof Class</b>	IPX4
<b>Outdoor Unit Net Weight</b>	28.5 kg
<b>GWP</b>	675

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Nº XXXXXXXXXXXX 2024.12

Contains fluorinated greenhouse gases  
**Made in PRC**  
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**Remark:**  
 Due to differences in the optional part, there may be a weight deviation of about 1kg.

<b>Test item particulars</b> .....	<b>Split Type Air Conditioner</b>
Classification of installation and use .....	Fixed appliance
Supply Connection.....	Terminal
.....	:
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object.....	: N/A
- test object does meet the requirement .....	: P (Pass)
- test object does not meet the requirement .....	: F (Fail)
<b>Testing</b> .....	
Date of receipt of test item.....	: 2023-11-28
Date (s) of performance of tests.....	: From 2023-11-28 to 2023-12-27
<b>General remarks:</b>	
<p>The test results presented in this report relate only to the object tested.          This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.          "(see Enclosure #)" refers to additional information appended to the report.          "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p>	
<b>General product information:</b>	
<p>Split-type air-conditioners for household use, the refrigerant was R32.          The appliances have cooling and heating functions.</p>	

COMMISSION REGULATION (EU) No 206/2012																						
Cl.	Requirement-Test	Result-Remark	Verdict																			
ANNEX I	Ecodesign requirements		—																			
1	DEFINITIONS APPLICABLE FOR THE PURPOSES OF THE ANNEXES		P																			
2	REQUIREMENTS FOR MINIMUM ENERGY EFFICIENCY, MAXIMUM POWER CONSUMPTION IN OFF-MODE AND STANDBY MODE AND FOR MAXIMUM SOUND POWER LEVEL		P																			
	(a) From 1 January 2013, single duct and double duct air conditioners shall correspond to requirements as indicated in Tables 1, 2 and 3 below, calculated in accordance with Annex II. Single duct and double duct air conditioners and comfort fans shall fulfil the requirements on standby and off mode as indicated in Table 2 below. The requirements on minimum energy efficiency and maximum sound power shall relate to the standard rating conditions specified in Annex II, Table 2.		N/A																			
	<p style="text-align: center;"><i>Table 1</i></p> <p style="text-align: center;"><b>Requirements for minimum energy efficiency</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Double duct air conditioners</th> <th colspan="2">Single duct air conditioners</th> </tr> <tr> <th>EER<sub>rated</sub></th> <th>COP<sub>rated</sub></th> <th>EER<sub>rated</sub></th> <th>COP<sub>rated</sub></th> </tr> </thead> <tbody> <tr> <td>If GWP of refrigerant &gt; 150</td> <td style="text-align: center;">2,40</td> <td style="text-align: center;">2,36</td> <td style="text-align: center;">2,40</td> <td style="text-align: center;">1,80</td> </tr> <tr> <td>If GWP of refrigerant ≤ 150</td> <td style="text-align: center;">2,16</td> <td style="text-align: center;">2,12</td> <td style="text-align: center;">2,16</td> <td style="text-align: center;">1,62</td> </tr> </tbody> </table>			Double duct air conditioners		Single duct air conditioners		EER <sub>rated</sub>	COP <sub>rated</sub>	EER <sub>rated</sub>	COP <sub>rated</sub>	If GWP of refrigerant > 150	2,40	2,36	2,40	1,80	If GWP of refrigerant ≤ 150	2,16	2,12	2,16	1,62	—
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COMMISSION REGULATION (EU) No 206/2012															
Cl.	Requirement-Test	Result-Remark	Verdict												
(b)	From 1 January 2013, air conditioners, except single and double duct air conditioners, shall correspond to minimum energy efficiency and maximum sound power level requirements as indicated in Tables 4 and 5 below, calculated in accordance with Annex II. The requirements on energy efficiency shall take into account the reference design conditions specified in Annex II, Table 3 using the 'Average' heating season where applicable.	GWP of refrigerant > 150	P												
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	<p style="text-align: center;"><i>Table 4</i></p> <p style="text-align: center;"><b>Requirements for minimum energy efficiency</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 30%; text-align: center;">SEER</th> <th style="width: 30%; text-align: center;">SCOP (Average heating season)</th> </tr> </thead> <tbody> <tr> <td>If GWP of refrigerant &gt; 150</td> <td style="text-align: center;">3,60</td> <td style="text-align: center;">3,40</td> </tr> <tr> <td>If GWP of refrigerant ≤ 150</td> <td style="text-align: center;">3,24</td> <td style="text-align: center;">3,06</td> </tr> </tbody> </table>			SEER	SCOP (Average heating season)	If GWP of refrigerant > 150	3,60	3,40	If GWP of refrigerant ≤ 150	3,24	3,06	—			
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**COMMISSION REGULATION (EU) No 206/2012**

Cl.	Requirement-Test	Result-Remark	Verdict																																									
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3.	PRODUCT INFORMATION REQUIREMENTS		P
	(a) From 1 January 2013, as regards air conditioners and comfort fans, the information set out in points below and calculated in accordance with Annex II shall be provided on:		P
	(i) the technical documentation of the product;		P
	(ii) free access websites of manufacturers of air conditioners and comfort fans;		P
	(b) The manufacturer of air conditioners and comfort fans shall provide laboratories performing market surveillance checks, upon request, the necessary information on the setting of the unit as applied for the establishment of declared capacities, SEER/EER, SCOP/COP values and service values and provide contact information for obtaining such information.		P
	(c) Information requirements for air conditioners, except double duct and single duct air conditioners.	See attached table 1	P
	(d) Information requirements for single duct and double duct air conditioners. Single duct air conditioners shall be named 'local air conditioners' in packaging, product documentation and in any advertisement material, whether electronic or in paper. Manufacturer shall provide information as detailed in the table 2.		N/A
	(e) Information requirements for comfort fans. Manufacturer shall provide information as detailed in the table 3		N/A
ANNEX II	Measurements and calculations		—
1	For the purposes of compliance and verification of compliance with the requirements of this Regulation, measurements and calculations shall be made using harmonised standards the reference numbers of which have been published in the <b>Official Journal of European Union</b> , or other reliable, accurate and reproducible method, which takes into account the generally recognised state of the art methods, and whose results are deemed to be of low uncertainty. They shall fulfil all of the following technical parameters.	EN 14825: 2022; EN14511-2: 2022; EN14511-3: 2022; EN 12102-1: 2022 used	P
2	The determination of the seasonal energy consumption and efficiency for seasonal energy efficiency ratio (SEER) and seasonal coefficient of performance (SCOP) shall take into account:		P
	(a) European cooling and heating season(s), as defined in Table 1 below;		P
	(b) reference design conditions, as defined in Table 3 below;		P
	(c) electric energy consumption for all relevant modes of operation, using time periods as defined in Table 4 below;		P

<b>COMMISSION REGULATION (EU) No 206/2012</b>			
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	(d) effects of the degradation of the energy efficiency caused by on/off cycling (if applicable) depending on the type of control of the cooling and/or heating capacity;		P
	(e) corrections on the seasonal coefficients of performance in conditions where the heating load can not be met by the heating capacity;		P
	(f) the contribution of a back-up heater (if applicable) in the calculation of the seasonal efficiency of a unit in heating mode.		P
3	Where the information relating to a specific model, being a combination of indoor and outdoor unit(s), has been obtained by calculation on the basis of design, and/or extrapolation from other combinations, the documentation should include details of such calculations and/or extrapolations, and of tests undertaken to verify the accuracy of the calculations undertaken (including details of the mathematical model for calculating performance of such combinations, and of measurements taken to verify this model).		P
4	The rated energy efficiency ratio (EER rated ) and, when applicable, rated coefficient of performance (COP rated ) for single and double duct air conditioners shall be established at the standard rating conditions as defined in Table 2 below.		N/A
5	The calculation of seasonal electricity consumption for cooling (and/or heating) shall take into account electric energy consumption of all relevant modes of operation, as defined in Table 3 below, using operational hours, as defined in Table 4 below.		P
6	The comfort fan efficiency shall be determined on the basis of the nominal air flow rate of the unit divided by the nominal electric power input of the unit.		N/A

**COMMISSION REGULATION (EU) No 206/2012**

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	<p style="text-align: center;">Table 1 Cooling and heating season bins (j = bin index, T<sub>j</sub> = outdoor temperature, h<sub>j</sub> = hours per annum per bin) where 'db' = dry bulb temperature</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">COOLING SEASON</th> <th colspan="4">HEATING SEASON</th> </tr> <tr> <th rowspan="2">j #</th> <th rowspan="2">T<sub>j</sub> °C db</th> <th rowspan="2">h<sub>j</sub> h/annum</th> <th rowspan="2">j #</th> <th rowspan="2">T<sub>j</sub> °C db</th> <th colspan="3">h<sub>j</sub> h/annum</th> </tr> <tr> <th>Average</th> <th>Warmer</th> <th>Colder</th> </tr> </thead> <tbody> <tr> <td>1</td><td>17</td><td>205</td> <td>1 to 8</td><td>- 30 to - 23</td><td>0</td><td>0</td><td>0</td> </tr> <tr><td>2</td><td>18</td><td>227</td><td>9</td><td>- 22</td><td>0</td><td>0</td><td>1</td></tr> <tr><td>3</td><td>19</td><td>225</td><td>10</td><td>- 21</td><td>0</td><td>0</td><td>6</td></tr> <tr><td>4</td><td>20</td><td>225</td><td>11</td><td>- 20</td><td>0</td><td>0</td><td>13</td></tr> <tr><td>5</td><td>21</td><td>216</td><td>12</td><td>- 19</td><td>0</td><td>0</td><td>17</td></tr> <tr><td>6</td><td>22</td><td>215</td><td>13</td><td>- 18</td><td>0</td><td>0</td><td>19</td></tr> <tr><td>7</td><td>23</td><td>218</td><td>14</td><td>- 17</td><td>0</td><td>0</td><td>26</td></tr> <tr><td>8</td><td>24</td><td>197</td><td>15</td><td>- 16</td><td>0</td><td>0</td><td>39</td></tr> <tr><td>9</td><td>25</td><td>178</td><td>16</td><td>- 15</td><td>0</td><td>0</td><td>41</td></tr> <tr><td>10</td><td>26</td><td>158</td><td>17</td><td>- 14</td><td>0</td><td>0</td><td>35</td></tr> <tr><td>11</td><td>27</td><td>137</td><td>18</td><td>- 13</td><td>0</td><td>0</td><td>52</td></tr> <tr><td>12</td><td>28</td><td>109</td><td>19</td><td>- 12</td><td>0</td><td>0</td><td>37</td></tr> <tr><td>13</td><td>29</td><td>88</td><td>20</td><td>- 11</td><td>0</td><td>0</td><td>41</td></tr> <tr><td>14</td><td>30</td><td>63</td><td>21</td><td>- 10</td><td>1</td><td>0</td><td>43</td></tr> <tr><td>15</td><td>31</td><td>39</td><td>22</td><td>- 9</td><td>25</td><td>0</td><td>54</td></tr> <tr><td>16</td><td>32</td><td>31</td><td>23</td><td>- 8</td><td>23</td><td>0</td><td>90</td></tr> <tr><td>17</td><td>33</td><td>24</td><td>24</td><td>- 7</td><td>24</td><td>0</td><td>125</td></tr> <tr><td>18</td><td>34</td><td>17</td><td>25</td><td>- 6</td><td>27</td><td>0</td><td>169</td></tr> <tr><td>19</td><td>35</td><td>13</td><td>26</td><td>- 5</td><td>68</td><td>0</td><td>195</td></tr> <tr><td>20</td><td>36</td><td>9</td><td>27</td><td>- 4</td><td>91</td><td>0</td><td>278</td></tr> <tr><td>21</td><td>37</td><td>4</td><td>28</td><td>- 3</td><td>89</td><td>0</td><td>306</td></tr> <tr><td>22</td><td>38</td><td>3</td><td>29</td><td>- 2</td><td>165</td><td>0</td><td>454</td></tr> <tr><td>23</td><td>39</td><td>1</td><td>30</td><td>- 1</td><td>173</td><td>0</td><td>385</td></tr> <tr><td>24</td><td>40</td><td>0</td><td>31</td><td>0</td><td>240</td><td>0</td><td>490</td></tr> <tr><td></td><td></td><td></td><td>32</td><td>1</td><td>280</td><td>0</td><td>533</td></tr> <tr><td></td><td></td><td></td><td>33</td><td>2</td><td>320</td><td>3</td><td>380</td></tr> <tr><td></td><td></td><td></td><td>34</td><td>3</td><td>357</td><td>22</td><td>228</td></tr> <tr><td></td><td></td><td></td><td>35</td><td>4</td><td>356</td><td>63</td><td>261</td></tr> <tr><td></td><td></td><td></td><td>36</td><td>5</td><td>303</td><td>63</td><td>279</td></tr> <tr><td></td><td></td><td></td><td>37</td><td>6</td><td>330</td><td>175</td><td>229</td></tr> <tr><td></td><td></td><td></td><td>38</td><td>7</td><td>326</td><td>162</td><td>269</td></tr> <tr><td></td><td></td><td></td><td>39</td><td>8</td><td>348</td><td>259</td><td>233</td></tr> <tr><td></td><td></td><td></td><td>40</td><td>9</td><td>335</td><td>360</td><td>230</td></tr> <tr><td></td><td></td><td></td><td>41</td><td>10</td><td>315</td><td>428</td><td>243</td></tr> <tr><td></td><td></td><td></td><td>42</td><td>11</td><td>215</td><td>430</td><td>191</td></tr> <tr><td></td><td></td><td></td><td>43</td><td>12</td><td>169</td><td>503</td><td>146</td></tr> <tr><td></td><td></td><td></td><td>44</td><td>13</td><td>151</td><td>444</td><td>150</td></tr> <tr><td></td><td></td><td></td><td>45</td><td>14</td><td>105</td><td>384</td><td>97</td></tr> <tr><td></td><td></td><td></td><td>46</td><td>15</td><td>74</td><td>294</td><td>61</td></tr> <tr> <td colspan="2" style="text-align: center;"><b>Total h.</b></td> <td style="text-align: center;"><b>2 602</b></td> <td colspan="2" style="text-align: center;"><b>Total h.</b></td> <td style="text-align: center;"><b>4 910</b></td> <td style="text-align: center;"><b>3 590</b></td> <td style="text-align: center;"><b>6 446</b></td> </tr> </tbody> </table>		COOLING SEASON			HEATING SEASON				j #	T <sub>j</sub> °C db	h <sub>j</sub> h/annum	j #	T <sub>j</sub> °C db	h <sub>j</sub> h/annum			Average	Warmer	Colder	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				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 h.</b>		<b>2 602</b>	<b>Total h.</b>		<b>4 910</b>	<b>3 590</b>	<b>6 446</b>		—
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	<p style="text-align: center;"><i>Table 4</i></p> <p style="text-align: center;"><b>Operational hours per type of appliance per functional mode to be used for calculation of electricity consumption</b></p> <table border="1"> <thead> <tr> <th>Type of appliance/functionality (if applicable)</th> <th>Unit</th> <th>Heating season</th> <th>On mode</th> <th>Thermostat-off mode</th> <th>Standby mode</th> <th>Off mode</th> <th>Crankcase heater mode</th> </tr> <tr> <td></td> <td></td> <td></td> <td>cooling: H<sub>CE</sub> heating: H<sub>HE</sub></td> <td>H<sub>TO</sub></td> <td>H<sub>SB</sub></td> <td>H<sub>OFF</sub></td> <td>H<sub>CK</sub></td> </tr> </thead> <tbody> <tr> <td colspan="8"><b>Air conditioners, except single and double duct air conditioner</b></td> </tr> <tr> <td>Cooling mode, if appliance offers cooling only</td> <td>h/annum</td> <td></td> <td>350</td> <td>221</td> <td>2 142</td> <td>5 088</td> <td>7 760</td> </tr> <tr> <td rowspan="4">Cooling and heating modes, if appliance offers both modes</td> <td rowspan="2">Cooling mode</td> <td rowspan="2">h/annum</td> <td></td> <td>350</td> <td>221</td> <td>2 142</td> <td>0</td> <td>2 672</td> </tr> <tr> <td>Average</td> <td>1 400</td> <td>179</td> <td>0</td> <td>0</td> <td>179</td> </tr> <tr> <td rowspan="2">Heating mode</td> <td rowspan="2">h/annum</td> <td>Warmer</td> <td>1 400</td> <td>755</td> <td>0</td> <td>0</td> <td>755</td> </tr> <tr> <td>Colder</td> <td>2 100</td> <td>131</td> <td>0</td> <td>0</td> <td>131</td> </tr> </tbody> </table>	Type of appliance/functionality (if applicable)	Unit	Heating season	On mode	Thermostat-off mode	Standby mode	Off mode	Crankcase heater mode				cooling: H <sub>CE</sub> heating: H <sub>HE</sub>	H <sub>TO</sub>	H <sub>SB</sub>	H <sub>OFF</sub>	H <sub>CK</sub>	<b>Air conditioners, except single and double duct air conditioner</b>								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	Average	1 400	179	0	0	179	Heating mode	h/annum	Warmer	1 400	755	0	0	755	Colder	2 100	131	0	0	131		—
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**COMMISSION REGULATION (EU) No 206/2012**

Cl.	Requirement-Test	Result-Remark	Verdict																																															
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ANNEX III	Verification procedure for market surveillance purposes		—																																															
	When performing the market surveillance checks referred to in Article 3(2) of Directive 2009/125/EC, the authorities of the Member States shall apply the following verification procedure for the requirements set out in Annex I.		—																																															
1	The authorities of the Member State shall test one single unit.		N/A																																															
2	2. The air conditioner model, except single and double duct air conditioners, shall be considered to comply with the requirements set out in Annex I, as applicable, to this Regulation, if its seasonal energy efficiency ratio (SEER), or seasonal coefficient for performance (SCOP), if applicable, is not less than the declared value minus 8 % at the declared capacity of the unit. The SEER and SCOP values shall be established in accordance with Annex II.		N/A																																															
	The model of a single and double duct air conditioner shall be considered to comply with the requirements set out in Annex I, as applicable, to this Regulation, if the results for off-mode and standby-mode conditions do not exceed the limit values by more than 10 %, and if the energy efficiency ratio (EER rated), or coefficient for performance (COP rated), if applicable, is not less than the declared value minus 10 %. The EER and COP values shall be established in accordance with Annex II.		N/A																																															

<b>COMMISSION REGULATION (EU) No 206/2012</b>			
Cl.	Requirement-Test	Result-Remark	Verdict
	The air conditioner model shall be considered to comply with the requirements set out in this Regulation, as applicable, if the maximum sound power level does not exceed more than 2 dB(A) of the declared value.		N/A
3	If the result referred to in point 2 is not achieved, the market surveillance authority shall randomly select three additional units of the same model for testing.		N/A
4	The air conditioner model, except single and double duct air conditioners, shall be considered to comply with the requirements set out in Annex I, as applicable, to this Regulation, if the average of the three units for the seasonal energy efficiency ratio (SEER), or seasonal coefficient of performance (SCOP), if applicable, is not less than the declared value minus 8 % at the declared capacity of the unit. The SEER and SCOP values shall be established in accordance with Annex II.		N/A
	The model of a single and double duct air conditioner shall be considered to comply with the requirements set out in Annex I, as applicable, to this Regulation, if the average of the results of the three units for off-mode and standby- mode conditions do not exceed the limit values by more than 10 %, and if the average of the energy efficiency ratio (EER rated), or coefficient of performance (COP rated), if applicable, is not less than the declared value minus 10 %. The EER and COP values shall be established in accordance with Annex II.		N/A
	The air conditioner model shall be considered to comply with the requirements set out in this Regulation, as applicable, if the average of the maximum sound power level does not exceed more than 2 dB(A) of the declared value.		N/A
5	If the results referred to in point 4 are not achieved, the model shall be considered not to comply with this Regulation.		N/A
	For the purposes of checking conformity with the requirements of this Regulation, Member States shall apply the procedures referred to in Annex II, and harmonised standards the reference numbers of which have been published in the Official Journal of the European Union, or other reliable, accurate and reproducible calculation and measurement methods, which take into account the generally recognised state-of-the-art.		N/A

Table 1: Information requirements for air conditioners, except double duct and single duct air conditioners.							P
(the number of decimals in the box indicates the precision of reporting) Information to identify the model(s) to which the information relates to:							
Function (indicate if present)				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designated)		Y	
				Colder (if designated)		N	
Item	symbol	value	unit	item	symbol	value	unit
<b>Design load</b>				<b>Seasonal efficiency</b>			
Cooling	Pdesignc	5,4	kW	Cooling	SEER	8,7	—
Heating/Average	Pdesignh	4,4	kW	Heating/Average	SCOP/A	4,6	—
Heating/Warmer	Pdesignh	5,4	kW	Heating/Warmer	SCOP/W	5,8	—
Heating/Colder	Pdesignh	—	kW	Heating/Colder	SCOP/C	—	—
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Function (indicate if present)				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designated)		Y	
				Colder (if designated)		N	
Item	symbol	value	unit	item	symbol	value	unit
Tj = 35 °C	Pdc	5,39	kW	Tj = 35 °C	EERdc	3,79	—
Tj = 30 °C	Pdc	3,90	kW	Tj = 30 °C	EERdc	6,45	—
Tj = 25 °C	Pdc	2,52	kW	Tj = 25 °C	EERdc	10,34	—
Tj = 20 °C	Pdc	1,14	kW	Tj = 20 °C	EERdc	20,11	—
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	item	symbol	value	unit
Tj = - 7 °C	Pdh	3,85	kW	Tj = - 7 °C	COPdc	2,96	—
Tj = 2 °C	Pdh	2,27	kW	Tj = 2 °C	COPdc	4,60	—
Tj = 7 °C	Pdh	1,66	kW	Tj = 7 °C	COPdc	5,84	—
Tj = 12 °C	Pdh	1,60	kW	Tj = 12 °C	COPdc	7,18	—
Tj = operating limit	Pdh	4,47	kW	Tj = operating limit	COPdc	2,57	—
Tj = bivalent	Pdh	3,85	kW	Tj = bivalent	COPdc	2,96	—

temperature				temperature			
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	item	symbol	value	unit
Tj = 2 °C	Pdh	4,93	kW	Tj = 2 °C	COPdc	3,09	—
Tj = 7 °C	Pdh	3,19	kW	Tj = 7 °C	COPdc	5,48	—
Tj = 12 °C	Pdh	1,61	kW	Tj = 12 °C	COPdc	7,18	—
Tj = bivalent temperature	Pdh	4,93	kW	Tj = bivalent temperature	COPdc	3,09	—
Tj = operating limit	Pdh	4,93	kW	Tj = operating limit	COPdc	3,09	—
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	item	symbol	value	unit
Tj = - 7 °C	Pdh	—	kW	Tj = - 7 °C	COPdc	—	—
Tj = 2 °C	Pdh	—	kW	Tj = 2 °C	COPdc	—	—
Tj = 7 °C	Pdh	—	kW	Tj = 7 °C	COPdc	—	—
Tj = 12 °C	Pdh	—	kW	Tj = 12 °C	COPdc	—	—
Tj = bivalent temperature	Pdh	—	kW	Tj = bivalent temperature	COPdc	—	—
Tj = operating limit	Pdh	—	kW	Tj = operating limit	COPdc	—	—
Tj = -15 °C	Pdh	—	kW	Tj = -15 °C	COPdc	—	—
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	°C	heating/Average	Tol	-10	°C
heating/Warmer	Tbiv	2	°C	heating/Warmer	Tol	2	°C
heating/Colder	Tbiv	—	°C	heating/Colder	Tol	—	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	—	kW	for cooling	EERcyc	—	—
for heating	Pcyh	—	kW	for heating	COPcyc	—	—
Degradation co-efficient cooling (**)	Cdc	0,25	—	Degradation co-efficient heating (**)	Cdh	0,25	—
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	POFF	—	kW	for cooling	QCE	215	kWh/a
standby mode (cooling / heating)	PSB	1,6 / 1,6	W	Heating/Average	QHE	1339	kWh/a
thermostat-off mode	PTO	41,0/ 14,3	W	Heating/Warmer	QHE	1303	kWh/a

(cooling / heating)							
crankcase heater mode	P <sub>CK</sub>	—	kW	Heating/Colder	Q <sub>HE</sub>	—	kWh/a
Capacity control (indicate one of three options)				Other items			
Function (indicate if present)				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designated)		Y	
				Colder (if designated)		N	
Item	symbol	value	unit	item	symbol	value	unit
Fixed		N		Sound power level (indoor/outdoor)	level (indoor/outdoor) LWA	56 / 63	dB(A)
staged		N		Global warming potential	GWP	675	kgCO <sub>2</sub> eq.
variable		Y		Rated air flow (indoor/outdoor)	—	1000	m <sup>3</sup> /h
Contact details for obtaining more information	AUX AIR CONDITIONER CO., LTD. 1166 North Mingguang Road, Jiangshan, Yinzhou, Ningbo, 315191 Zhejiang, China						
<p>(*) For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.</p> <p>(**) If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.</p>							
<p>In as much as is relevant in view of the functionality, the manufacturer shall supply the information as requested in the above Table 1 in the technical documentation of the product. For units with capacity control marked 'staged', two values for the highest and lowest, noted 'hi/lo' divided by a slash ('/') will be declared in each box under 'Declared capacity'.</p>							

Table 2: Information requirements for single duct and double duct air conditioners			N/A
Information to identify the model(s) to which the information relates to [fill in as necessary] :			
Description	Symbol	Value	Unit
Rated capacity for cooling	$P_{rated}$ for cooling		kW
Rated capacity for heating	$P_{rated}$ for heating		kW
Rated power input for cooling	$P_{EER}$		kW
Rated power input for heating	$P_{COP}$		kW
Rated Energy efficiency ratio	$EER_d$		—
Rated Coefficient of performance	$COP_d$		—
Information to identify the model(s) to which the information relates to [fill in as necessary]:			
Description	Symbol	Value	Unit
Power consumption in thermostat-off mode	$P_{TO}$		W
Power consumption in standby mode	$P_{SB}$		W
Electricity consumption of single/double duct appliances (indicate for cooling and heating separately)	DD: $Q_{DD}$ SD: $Q_{SD}$		DD: kWh/a SD: kWh/h
Sound power level	$L_{WA}$		dB(A)
Global warming potential	$GWP$		kgCO <sub>2</sub> eq.
Contact details for obtaining more information			

**Test data according to EN 14825:2022**

**Test condition (Cooling function) :**  
 Voltage: 230 V / Frequency: 50 Hz / Harmonic distortion: 1,0 %,

**Table 2 — Part load conditions for reference SEER and reference SEER<sub>on</sub> calculation of air-to-air units**

	Part load ratio	Part load ratio %	Outdoor air dry bulb temperature °C	Indoor air dry bulb (wet bulb) temperatures °C
A	$(35-16)/(T_{designc} - 16)$	100	35	27(19)
B	$(30-16)/(T_{designc} - 16)$	74	30	27(19)
C	$(25-16)/(T_{designc} - 16)$	47	25	27(19)
D	$(20-16)/(T_{designc} - 16)$	21	20	27(19)

Test condition	Cooling capacity(kW)	Cooling power input(kW)	EER	Remark( For variable capacity units, the frequency settings for the same part load conditions.)
A	5,3880	1,4216	3,790	58,0 Hz
B	3,8983	0,6041	6,453	34,0 Hz
C	2,5194	0,2436	10,342	19,0 Hz
D	1,1420	0,0568	20,106	8,0 Hz

**Test condition (Heating function(Average)) :**  
 Voltage: 230 V / Frequency: 50 Hz / Harmonic distortion: 1,0 % ;  
 T<sub>j</sub> (bivalent temperature): -7°C; operating limit (TOL): -10°C,

**Table 6 — Part load conditions for reference SCOP, reference SCOP<sub>on</sub> and reference SCOP<sub>net</sub> calculation of air-to-air units for the reference heating season "A" = average**

	A		Outdoor air dry bulb (wet bulb) temperatures °C	Indoor air dry bulb temperature °C
	Part load ratio	Part load ratio %		
A	$(-7-16)/(T_{designh} - 16)$	88	-7(-8)	20
B	$(+2-16)/(T_{designh} - 16)$	54	2(1)	20
C	$(+7-16)/(T_{designh} - 16)$	35	7(6)	20
D	$(+12-16)/(T_{designh} - 16)$	15	12(11)	20
E	$(TOL-16)/(T_{designh} - 16)$		TOL	20
F	$(T_{bivalent}-16)/(T_{designh} - 16)$		T <sub>bivalent</sub>	20

Test condition	Heating capacity(kW)	heating power input(kW)	COP	Remark( For variable capacity units, the frequency settings for the same part load conditions,)
A	3,8493	1,3025	2,955	78,0 Hz
B	2,2740	0,4944	4,600	32,0 Hz
C	1,6616	0,2846	5,838	21,0 Hz

D	1,6047	0,2235	7,180	17,0 Hz
E	4,4650	1,7369	2,571	97,0 Hz
F	3,8493	1,3025	2,955	78,0 Hz

**Test condition (Heating function(Warmer)) :**

Voltage: 230 V / Frequency: 50 Hz / Harmonic distortion: 1,0 % ;

Tj (bivalent temperature): 2°C; operating limit (TOL): 2°C.

**Table 7 — Part load conditions for reference SCOP, reference SCOPon and reference SCOPnet calculation of air-to-air units for the reference heating season “W” = warmer**

	W		Outdoor air dry bulb (wet bulb) temperatures °C	Indoor air dry bulb temperature °C
	Part load ratio	Part load ratio %		
A	(not applicable)			
B	$(+2-16)/(T_{designh} - 16)$	100	2(1)	20
C	$(+7-16)/(T_{designh} - 16)$	64	7(6)	20
D	$(+12-16)/(T_{designh} - 16)$	29	12(11)	20
E	$(TOL-16)/(T_{designh} - 16)$		TOL	20
F	$(T_{bivalent}-16)/(T_{designh} - 16)$		Tbivalent	20

Test condition	Heating capacity(kW)	heating power input(kW)	COP	Remark( For variable capacity units, the frequency settings for the same part load conditions.)
B	4,9338	1,5943	3,095	82 Hz
C	3,1884	0,5818	5,480	39 Hz
D	1,606	0,2237	7,179	17 Hz
E	4,9338	1,5943	3,095	82 Hz
F	4,9338	1,5943	3,095	82 Hz

The SEER ,SCOP and Sound power level:

SEER on	SCOP on (Average)	SCOP on (Warmer)	Sound power level (dB(A))
9,35	4,61	6,00	55,2 / 62,6 (IU / OU)
SEER	SCOP (Average)	SCOP (Warmer)	/
8,80	4,60	5,95	/
QCE	QHE (Average)	QHE (Warmer)	/
215	1339	1270	/

**Information of efficiency for Declared value and Measured value**

Item	Declared value	Measured value
SEER	8,7	8,80
QCE	217	215
<b>Average (mandatory)</b>		

<b>Information of efficiency for Declared value and Measured value</b>		
SCOP	4,6	4,60
Q <sub>HE</sub>	1339	1339
<b>Warmer</b>		
SCOP	5,8	5,95
Q <sub>HE</sub>	1303	1270

<b>Requirements for minimum energy efficiency and maximum sound power level</b>			<b>P</b>
<p>From 1 January 2013, air conditioners, except single and double duct air conditioners, shall correspond to minimum energy efficiency and maximum sound power level requirements as indicated in Tables 4 and 5 below, calculated in accordance with Annex II. The requirements on energy efficiency shall take into account the reference design conditions specified in Annex II, Table 3 using the 'Average' heating season where applicable. The requirements on sound power shall relate to the standard rating conditions specified in Annex II, Table 2 :</p>			
SEER	SCOP	Sound power level (dB(A))	
3,60	3,40	60 / 65 (IU / OU)	
<b>Requirements for minimum energy efficiency and maximum sound power level</b>			<b>P</b>
<p>From 1 January 2014, air conditioners shall correspond to requirements as indicated in the table below, calculated in accordance with Annex II. The requirements on energy efficiency for air conditioners, excluding single and double duct air conditioners, shall relate to the reference design conditions specified in Annex II, Table 3 using the 'Average' heating season where applicable.</p>			
SEER	SCOP	Sound power level (dB(A))	
4,60	3,80	60 / 65 (IU / OU)	

<b>Verification table</b>			<b>N/A</b>
<p>1. The air conditioner model, except single and double duct air conditioners, shall be considered to comply with the requirements set out in Annex I, as applicable, to this Regulation, if its seasonal energy efficiency ratio (SEER), or seasonal coefficient for performance (SCOP), if applicable, is not less than the declared value minus 8 % at the declared capacity of the unit. The SEER and SCOP values shall be established in accordance with Annex II.</p> <p>2. The air conditioner model shall be considered to comply with the requirements set out in this Regulation, as applicable, if the maximum sound power level does not exceed more than 2 dB(A) of the declared value.</p>			
<b>Tested SEER</b>	<b>Declared SEER</b>	<b>Verification</b>	
—	—	Tested SEER > Declared SEER x 92%	
<b>Tested SCOP</b>	<b>Declared SCOP</b>	<b>Verification</b>	
—	—	Tested SCOP > Declared SCOP x 92%	
<b>Tested sound power level (dB(A))</b>	<b>Declared Sound power level (dB(A))</b>	<b>Verification</b>	
—	—	Tested sound power level < Declared Sound power level + 2 dB(A)	

COMMISSION REGULATION (EU) No 626/2011																																																														
Cl.	Requirement-Test	Result-Remark	Verdict																																																											
ANNEX II	Energy efficiency classes		—																																																											
1	The energy efficiency of air conditioners shall be determined on the basis of measurements and calculations set out Annex VII.		P																																																											
	Both the SEER and SCOP shall take into account the reference design conditions and the operational hours per relevant mode of operation, and the SCOP shall relate to the heating season 'average', as laid down in Annex VII. The rated energy efficiency ratio (EER rated) and the rated coefficient of performance (COP rated) shall relate to standard rating conditions, as laid down in Annex VII.		P																																																											
2	<p style="text-align: center;">Table 1</p> <p style="text-align: center;"><b>Energy efficiency classes for air conditioners, except double ducts and single ducts</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Energy Efficiency Class</th> <th style="width: 35%;">SEER</th> <th style="width: 35%;">SCOP</th> </tr> </thead> <tbody> <tr> <td>A+++</td> <td>SEER ≥ 8,50</td> <td>SCOP ≥ 5,10</td> </tr> <tr> <td>A++</td> <td>6,10 ≤ SEER &lt; 8,50</td> <td>4,60 ≤ SCOP &lt; 5,10</td> </tr> <tr> <td>A+</td> <td>5,60 ≤ SEER &lt; 6,10</td> <td>4,00 ≤ SCOP &lt; 4,60</td> </tr> <tr> <td>A</td> <td>5,10 ≤ SEER &lt; 5,60</td> <td>3,40 ≤ SCOP &lt; 4,00</td> </tr> <tr> <td>B</td> <td>4,60 ≤ SEER &lt; 5,10</td> <td>3,10 ≤ SCOP &lt; 3,40</td> </tr> <tr> <td>C</td> <td>4,10 ≤ SEER &lt; 4,60</td> <td>2,80 ≤ SCOP &lt; 3,10</td> </tr> <tr> <td>D</td> <td>3,60 ≤ SEER &lt; 4,10</td> <td>2,50 ≤ SCOP &lt; 2,80</td> </tr> <tr> <td>E</td> <td>3,10 ≤ SEER &lt; 3,60</td> <td>2,20 ≤ SCOP &lt; 2,50</td> </tr> <tr> <td>F</td> <td>2,60 ≤ SEER &lt; 3,10</td> <td>1,90 ≤ SCOP &lt; 2,20</td> </tr> <tr> <td>G</td> <td>SEER &lt; 2,60</td> <td>SCOP &lt; 1,90</td> </tr> </tbody> </table>		Energy Efficiency Class	SEER	SCOP	A+++	SEER ≥ 8,50	SCOP ≥ 5,10	A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10	A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60	A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00	B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40	C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10	D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80	E	3,10 ≤ SEER < 3,60	2,20 ≤ SCOP < 2,50	F	2,60 ≤ SEER < 3,10	1,90 ≤ SCOP < 2,20	G	SEER < 2,60	SCOP < 1,90	P																										
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	<p style="text-align: center;">Table 2</p> <p style="text-align: center;"><b>Energy efficiency classes for double ducts and single ducts</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Energy Efficiency Class</th> <th colspan="2">Double ducts</th> <th colspan="2">Single ducts</th> </tr> <tr> <th>EER<sub>rated</sub></th> <th>COP<sub>rated</sub></th> <th>EER<sub>rated</sub></th> <th>COP<sub>rated</sub></th> </tr> </thead> <tbody> <tr> <td>A+++</td> <td>≥ 4,10</td> <td>≥ 4,60</td> <td>≥ 4,10</td> <td>≥ 3,60</td> </tr> <tr> <td>A++</td> <td>3,60 ≤ EER &lt; 4,10</td> <td>4,10 ≤ COP &lt; 4,60</td> <td>3,60 ≤ EER &lt; 4,10</td> <td>3,10 ≤ COP &lt; 3,60</td> </tr> <tr> <td>A+</td> <td>3,10 ≤ EER &lt; 3,60</td> <td>3,60 ≤ COP &lt; 4,10</td> <td>3,10 ≤ EER &lt; 3,60</td> <td>2,60 ≤ COP &lt; 3,10</td> </tr> <tr> <td>A</td> <td>2,60 ≤ EER &lt; 3,10</td> <td>3,10 ≤ COP &lt; 3,60</td> <td>2,60 ≤ EER &lt; 3,10</td> <td>2,30 ≤ COP &lt; 2,60</td> </tr> <tr> <td>B</td> <td>2,40 ≤ EER &lt; 2,60</td> <td>2,60 ≤ COP &lt; 3,10</td> <td>2,40 ≤ EER &lt; 2,60</td> <td>2,00 ≤ COP &lt; 2,30</td> </tr> <tr> <td>C</td> <td>2,10 ≤ EER &lt; 2,40</td> <td>2,40 ≤ COP &lt; 2,60</td> <td>2,10 ≤ EER &lt; 2,40</td> <td>1,80 ≤ COP &lt; 2,00</td> </tr> <tr> <td>D</td> <td>1,80 ≤ EER &lt; 2,10</td> <td>2,00 ≤ COP &lt; 2,40</td> <td>1,80 ≤ EER &lt; 2,10</td> <td>1,60 ≤ COP &lt; 1,80</td> </tr> <tr> <td>E</td> <td>1,60 ≤ EER &lt; 1,80</td> <td>1,80 ≤ COP &lt; 2,00</td> <td>1,60 ≤ EER &lt; 1,80</td> <td>1,40 ≤ COP &lt; 1,60</td> </tr> <tr> <td>F</td> <td>1,40 ≤ EER &lt; 1,60</td> <td>1,60 ≤ COP &lt; 1,80</td> <td>1,40 ≤ EER &lt; 1,60</td> <td>1,20 ≤ COP &lt; 1,40</td> </tr> <tr> <td>G</td> <td>&lt; 1,40</td> <td>&lt; 1,60</td> <td>&lt; 1,40</td> <td>&lt; 1,20</td> </tr> </tbody> </table>		Energy Efficiency Class	Double ducts		Single ducts		EER <sub>rated</sub>	COP <sub>rated</sub>	EER <sub>rated</sub>	COP <sub>rated</sub>	A+++	≥ 4,10	≥ 4,60	≥ 4,10	≥ 3,60	A++	3,60 ≤ EER < 4,10	4,10 ≤ COP < 4,60	3,60 ≤ EER < 4,10	3,10 ≤ COP < 3,60	A+	3,10 ≤ EER < 3,60	3,60 ≤ COP < 4,10	3,10 ≤ EER < 3,60	2,60 ≤ COP < 3,10	A	2,60 ≤ EER < 3,10	3,10 ≤ COP < 3,60	2,60 ≤ EER < 3,10	2,30 ≤ COP < 2,60	B	2,40 ≤ EER < 2,60	2,60 ≤ COP < 3,10	2,40 ≤ EER < 2,60	2,00 ≤ COP < 2,30	C	2,10 ≤ EER < 2,40	2,40 ≤ COP < 2,60	2,10 ≤ EER < 2,40	1,80 ≤ COP < 2,00	D	1,80 ≤ EER < 2,10	2,00 ≤ COP < 2,40	1,80 ≤ EER < 2,10	1,60 ≤ COP < 1,80	E	1,60 ≤ EER < 1,80	1,80 ≤ COP < 2,00	1,60 ≤ EER < 1,80	1,40 ≤ COP < 1,60	F	1,40 ≤ EER < 1,60	1,60 ≤ COP < 1,80	1,40 ≤ EER < 1,60	1,20 ≤ COP < 1,40	G	< 1,40	< 1,60	< 1,40	< 1,20	N/A
Energy Efficiency Class	Double ducts			Single ducts																																																										
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<b>COMMISSION REGULATION (EU) No 626/2011</b>			
Cl.	Requirement-Test	Result-Remark	Verdict
ANNEX IV	Product fiche		—
	1. The information in the product fiche shall be given in the order specified below:		P
	(a) supplier's name or trade mark;		P
	(b) model identifier of the indoor air conditioner or of the indoor and outdoor elements of the air conditioner;		P
	(c) without prejudice to any requirements under the Union eco-label scheme, where a model has been granted a 'European Union eco-label' under Regulation (EC) No 66/2010, a copy of the eco-label may be added;		N/A
	(d) inside and outside sound power levels at standard rating conditions, on cooling and/or heating modes;	On cooling mode	P
	(e) the name and GWP of the refrigerant used and a standard text as follows:		P
	'Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [xxx]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [xxx] times higher than 1 kg of CO <sup>2</sup> , over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.'		P
2	Additionally, the following information shall be included in the product fiche on air conditioners on the cooling mode, when efficiency is declared on the basis of the seasonal energy efficiency ratio (SEER):		P
	(a) the SEER and the energy efficiency class of the model (model of a unit or of a combination of units) determined in accordance with definitions and test procedures in Annex I and VII for the cooling mode as well as with the class limits defined in Annex II;		P
	(b) the indicative annual electricity consumption Q <sub>CE</sub> in kWh/a during the cooling season, determined in accordance with definitions and test procedures in Annex I and VII, respectively. It shall be described as: 'Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located';		P
	(c) the design load P <sub>designc</sub> in kW of the appliance in cooling mode determined in accordance with definitions and test procedures in Annex I and VII, respectively;		P
3	Additionally, the following notes define the information to be included in the fiche on the heating mode, when efficiency is declared on the basis of seasonal coefficient of performance (SCOP):		P

<b>COMMISSION REGULATION (EU) No 626/2011</b>			
Cl.	Requirement-Test	Result-Remark	Verdict
	(a) the SCOP and the energy efficiency class of the model, or combination, in heating mode determined in accordance with definitions and test procedures in Annex I and VII, respectively, as well as with the class limits defined in Annex II;		P
	(b) the indicative annual electricity consumption for an average heating season Q HE in kWh/a, determined in accordance with definitions and test procedures in Annex I and VII, respectively. It shall be described as: 'Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located';		P
	(c) other designated heating seasons for which the unit is declared fit for purpose, with options of warmer (optional) or colder (optional) seasons, as defined in Annex I;		N/A
	(d) the design load Pdesignh in kW of the appliance in heating mode determined in accordance with definitions and test procedures in Annex I and VII;		P
	(e) the declared capacity and an indication of the back up heating capacity assumed for the calculation of SCOP at reference design conditions.		P
4	Additionally, the following notes define the information to be included in the fiche of air conditioners, when efficiency is declared on the basis of energy efficiency ratio (EER rated) or coefficient of performance (COP rated):		N/A
	(a) the energy efficiency class of the model, determined in accordance with definitions and test procedures in Annex I and VII, as well as the class limits defined in Annex II;		N/A
	(b) for double ducts, the indicative hourly electricity consumption Q DD in kWh/60 minutes determined in accordance with definitions and test procedures in Annex I and VII. It shall be described as: 'Energy consumption "X,Y" kWh per 60 minutes, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located';		N/A
	(c) for single ducts, the indicative hourly electricity consumption Q SD in kWh/60 minutes determined in accordance with definitions and test procedures in Annex I and VII. It shall be described as: 'Energy consumption "X,Y" kWh per 60 minutes, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located';		N/A
	(d) the cooling capacity P rated in kW of the appliance determined in accordance with definitions and test procedures in Annex I and VII;		N/A
	(e) the heating capacity P rated in kW of the appliance determined in accordance with definitions and test procedures in Annex I and VII.		N/A
5	One fiche may cover a number of appliance models supplied by the same supplier.		N/A

<b>COMMISSION REGULATION (EU) No 626/2011</b>			
Cl.	Requirement-Test	Result-Remark	Verdict
6	The information contained in the fiche may be given in the form of a copy of the label, either in colour or in black and white. Where this is the case, the information listed in points 1-4 not already displayed on the label shall also be provided.		N/A
ANNEX V	Technical documentation		—
	The technical documentation referred to in Article 3 (1)(c) shall include at least the following items:		P
	(a) the name and address of the supplier;		P
	(b) a general description of the appliance model, sufficient for it to be unequivocally and easily identified. Single ducts shall be referred to as 'local air conditioners';		P
	(c) where appropriate, the references for the harmonised standards applied;		P
	(d) where appropriate, the other calculation methods, measurement standards and specifications used;		N/A
	(e) identification and signature of the person empowered to bind the supplier;		P
	(f) where appropriate the technical parameters for measurements, established in accordance with Annex VII:		P
	(i) overall dimensions;		P
	(ii) specification of the type of the air conditioner;		P
	(iii) specification whether the appliance is designed for cooling or heating only or for both;		P
	(iv) the energy efficiency class of the model as defined in Annex II;		P
	(v) The energy efficiency ratio (EER rated) and coefficient of performance (COP rated) for single and double duct air conditioners or seasonal energy efficiency ratio (SEER) and seasonal coefficient of performance (SCOP) for other air conditioners;		P
	(vi) The heating season for which the appliance is declared fit for purpose;		P
	(vii) Sound power levels expressed in dB(A) re1 pW, rounded to the nearest integer;		P
	(viii) the name and GWP of refrigerant used.		P
	(g) the results of calculations performed in accordance with Annex VII. Suppliers may include additional information at the end of the above list.		P
	Where the information included in the technical documentation file for a particular air conditioner model has been obtained by calculation on the basis of design, or extrapolation from other equivalent appliances, or both, the documentation shall include details of such calculations or extrapolations, or both, and of tests undertaken by suppliers to verify the accuracy of the calculations undertaken. The information shall also include a list of all other equivalent appliance models where the information was obtained on the same basis.		P

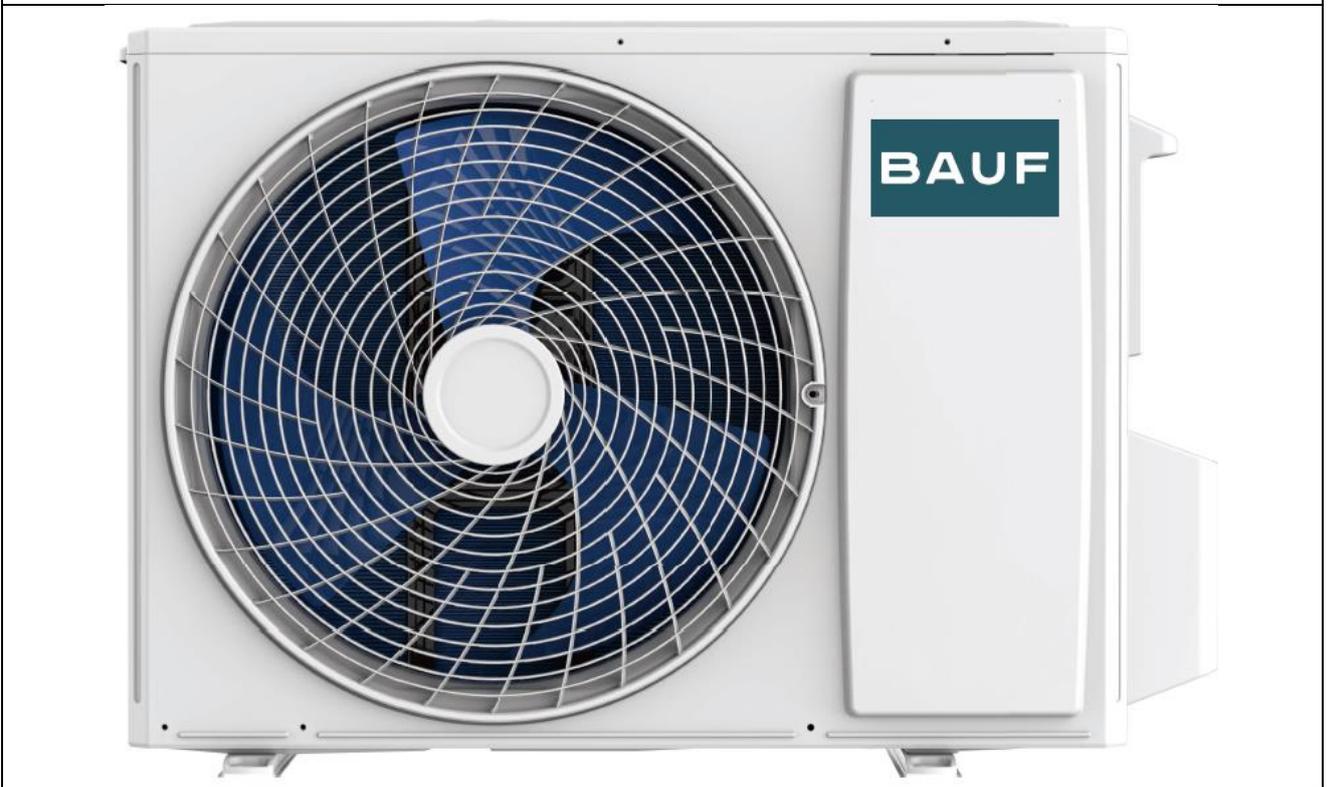
<b>COMMISSION REGULATION (EU) No 626/2011</b>			
Cl.	Requirement-Test	Result-Remark	Verdict
ANNEX VI	Information to be provided in the cases where end-users cannot be expected to see the product displayed		—
1	1. The information referred to in Article 4(b) shall be provided in the following order:		P
	(a) The energy efficiency class of the model as defined in Annex II;		P
	(b) for air conditioners other than single ducts and double ducts:		P
	(i) the seasonal energy efficiency ratio (SEER) and/or seasonal coefficient of performance (SCOP);		P
	(ii) the design load (in kW);		P
	(iii) the annual electricity consumption;		P
	(iv) the cooling and/or each heating ('Average, Colder, Warmer') season the appliance is declared fit for purpose;		P
	(c) for single duct and double duct air conditioners:		N/A
	(i) the energy efficiency ratio (EER) and/or coefficient of performance (COP);		N/A
	(ii) the rated capacity (kW);		N/A
	(iii) for double ducts, the hourly electricity consumption for cooling and/or heating;		N/A
	(iv) for single ducts, the hourly electricity consumption for cooling and/or heating;		N/A
	(d) Sound power levels expressed in dB(A) re1 pW, rounded to the nearest integer;		P
	(e) Name and GWP of refrigerant used.		P
2	Where other information contained in the product information fiche is also provided, it shall be in the form and order specified in Annex IV.		P
3	The size and font in which all the information referred in this Annex is printed or shown shall be legible.		P

**Photo documents:**

**Products General – indoor unit**



**Products General – outdoor unit**



**Products General – label for compressor**



--- End of Report ---