

Conformity Assessment for Ecodesign Requirements

We, SANYODENKI Co., Ltd., hereby certify that the following products comply with the ecodesign requirements.

Product description: ACDC Fan (Models listed below)

1. Applicable ecodesign requirements :

Commission Regulation (EU) 2024/1834 + 2025/2481

2. Conformity assessment

(1) Declared values of the parameters in point 2.2 of Annex II :

Refer to the Data Sheet.

(2) Declared values of the parameters at the test points in point 3 of Annex II :

Refer to the Data Sheet.

(3) Product information provided in accordance with points 2, 3 and 4 of Annex II :

Refer to the Data Sheet.

3. Model number

■ Φ 190x88 [mm]

9ADTU11P0G001

9ADTU23P0G001

9ADW1TU11P0G001

9ADW1TU23P0G001

■ Φ 225x99 [mm]

9ADTS11P0G001

9ADTS23P0G001

9ADW1TS11P0H001

9ADW1TS23P0H001

9ADB1TS11P0G001

9ADB1TS23P0G001

9ADB1W1TS11P0H001

9ADB1W1TS23P0H001

■ Φ 250x99 [mm]

9ADTV11P0G001

9ADTV23P0G001

9ADW1TV11P0G001

9ADW1TV23P0G001

SANYO DENKI

Data Sheet of conformity assessment for ecodesign requirements

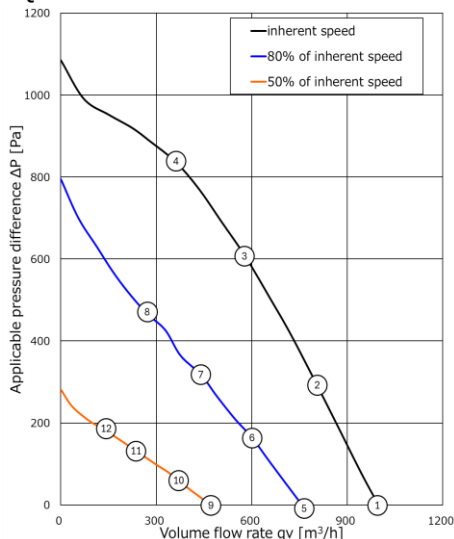
Fan size [mm]	Φ190x88
Model number	9ADTU11P0G001
	9ADW1TU11P0G001

1. Product information on fans

Fan type	Backward curved centrifugal fan
Efficiency: η [%]	49.9
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	67.8
Input power: P_e [kW]	0.195
Volume flow rate: q_v [m ³ /h]	579
Applicable pressure difference: Δp [Pa]	606
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	4505
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTU11P0G001 9ADW1TU11P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v Applicable pressure difference: Δp Input power: P_e Speed: n Efficiency: η **PQ curves****PQ parameters**

Point No.	q_v m ³ /h	Δp Pa	P_e kW	n rpm	η %
1	998	0	0.143	4792	0.0
2	803	295	0.171	4641	38.4
3	579	606	0.195	4505	49.9
4	361	837	0.195	4524	43.0
5	757	0	0.087	3772	0.0
6	600	165	0.090	3559	30.4
7	441	317	0.085	3350	45.8
8	270	468	0.083	3371	42.0
9	467	0	0.024	2335	0.0
10	369	59	0.023	2184	26.0
11	236	132	0.024	2027	36.5
12	134	187	0.024	2078	28.6

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ190x88
Model number	9ADTU23P0G001
	9ADW1TU23P0G001

1. Product information on fans

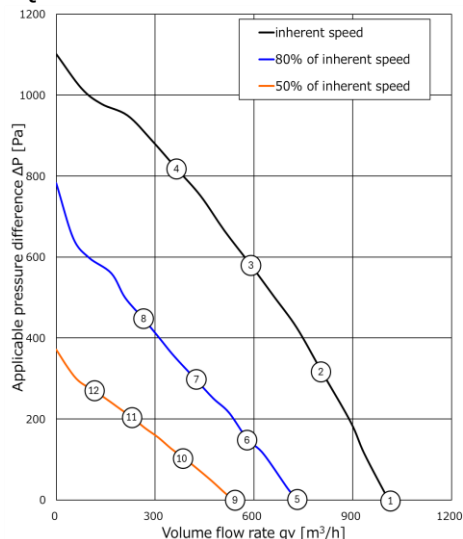
Fan type	Backward curved centrifugal fan
Efficiency: η [%]	50.9
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	69.0
Input power: P_e [kW]	0.187
Volume flow rate: q_v [m ³ /h]	590
Applicable pressure difference: Δp [Pa]	581
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	4439
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTU23P0G001 9ADW1TU23P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v Applicable pressure difference: Δp Input power: P_e Speed: n Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m ³ /h	Δp Pa	P_e kW	n rpm	η %
1	1009	0	0.146	4783	0.0
2	804	320	0.176	4650	40.6
3	590	581	0.187	4439	50.9
4	367	816	0.186	4440	44.8
5	732	0	0.082	3629	0.0
6	580	149	0.081	3406	29.6
7	424	297	0.084	3214	41.8
8	265	447	0.082	3279	39.9
9	541	0	0.034	2703	0.0
10	387	105	0.033	2466	33.7
11	231	204	0.033	2338	39.8
12	115	270	0.034	2441	25.7

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ225x99
Model number	9ADTS11P0G001
	9ADB1TS11P0G001

1. Product information on fans

Fan type	Backward curved centrifugal fan
Efficiency: η [%]	48.6
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	66.8
Input power: P_e [kW]	0.184
Volume flow rate: q_v [m³/h]	732
Applicable pressure difference: Δp [Pa]	440
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2981
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTS11P0G001 9ADB1TS11P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v

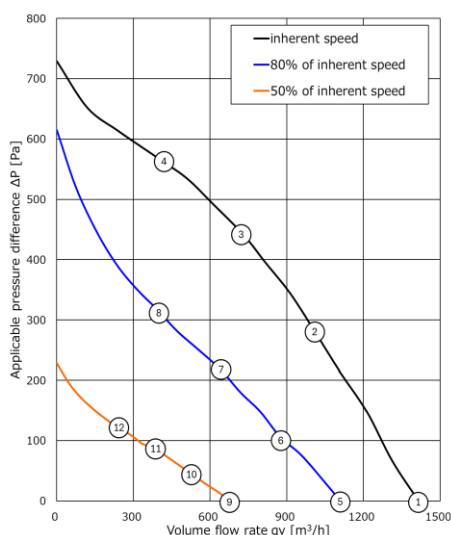
Applicable pressure difference: Δp

Input power: P_e

Speed: n

Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m³/h	Δp Pa	P_e kW	n rpm	η %
1	1415	0	0.143	3199	0.0
2	1008	282	0.177	3049	44.6
3	732	440	0.184	2981	48.6
4	418	562	0.170	3085	38.4
5	1109	0	0.076	2503	0.0
6	875	106	0.075	2301	34.1
7	641	218	0.082	2204	47.3
8	395	317	0.079	2270	44.2
9	670	0	0.021	1533	0.0
10	532	44	0.022	1432	29.0
11	384	87	0.022	1373	41.5
12	241	121	0.022	1405	36.3

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

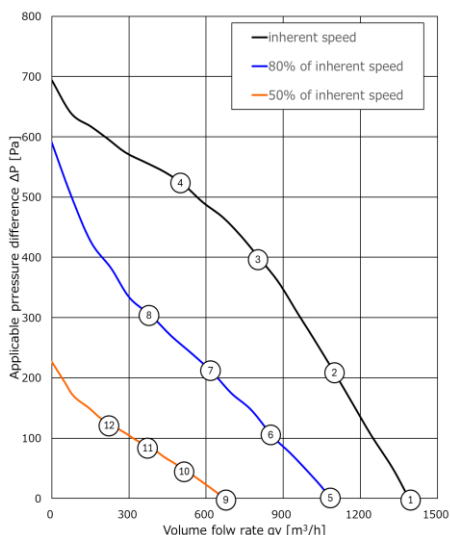
Fan size [mm]	Φ225x99
Model number	9ADTS23P0G001
	9ADB1TS23P0G001

1. Product information on fans

Fan type	Backward curved centrifugal fan
Efficiency: η [%]	49.6
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	67.9
Input power: P_e [kW]	0.180
Volume flow rate: q_v [m³/h]	806
Applicable pressure difference: Δp [Pa]	399
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2978
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTS23P0G001 9ADB1TS23P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v Applicable pressure difference: Δp Input power: P_e Speed: n Efficiency: η **PQ curves****PQ parameters**

Point No.	q_v m³/h	Δp Pa	P_e kW	n rpm	η %
1	1390	0	0.134	3156	0.0
2	1106	204	0.163	3040	38.5
3	806	399	0.180	2978	49.6
4	513	520	0.170	3012	43.7
5	1084	0	0.072	2452	0.0
6	860	102	0.071	2263	34.2
7	625	209	0.075	2156	48.4
8	387	303	0.073	2231	44.9
9	670	0	0.021	1534	0.0
10	528	44	0.023	1432	28.6
11	382	86	0.021	1375	42.8
12	240	120	0.022	1405	36.1

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ225x99
Model number	9ADW1TS11P0H001
	9ADB1W1TS11P0H001

1. Product information on fans

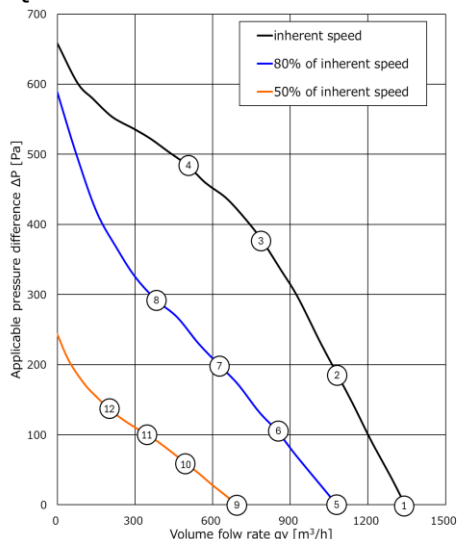
Fan type	Backward curved centrifugal fan
Efficiency: η [%]	50.9
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	69.7
Input power: P_e [kW]	0.163
Volume flow rate: q_v [m³/h]	791
Applicable pressure difference: Δp [Pa]	378
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2891
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADW1TS11P0H001 9ADB1W1TS11P0H001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v Applicable pressure difference: Δp Input power: P_e Speed: n Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m³/h	Δp Pa	P_e kW	n rpm	η %
1	1344	0	0.121	3076	0.0
2	1082	186	0.144	2960	38.9
3	791	378	0.163	2891	50.9
4	506	484	0.154	2922	44.1
5	1081	0	0.070	2424	0.0
6	849	105	0.070	2236	35.4
7	625	200	0.070	2117	49.8
8	382	292	0.069	2180	44.7
9	694	0	0.023	1572	0.0
10	498	59	0.022	1418	36.3
11	347	100	0.022	1384	43.9
12	199	137	0.022	1471	34.1

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ225x99
Model number	9ADW1TS23P0H001
	9ADB1W1TS23P0H001

1. Product information on fans

Fan type	Backward curved centrifugal fan
Efficiency: η [%]	51.2
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	70.0
Input power: P_e [kW]	0.161
Volume flow rate: q_v [m³/h]	776
Applicable pressure difference: Δp [Pa]	381
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2892
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADW1TS23P0H001 9ADB1W1TS23P0H001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v

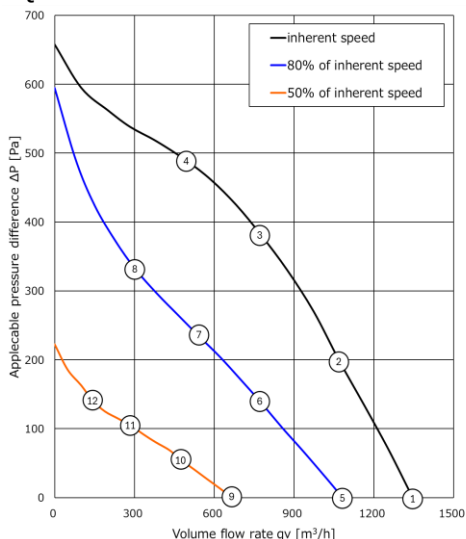
Applicable pressure difference: Δp

Input power: P_e

Speed: n

Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m³/h	Δp Pa	P_e kW	n rpm	η %
1	1345	0	0.120	3060	0.0
2	1070	199	0.145	2951	40.6
3	776	381	0.161	2892	51.2
4	496	489	0.150	2929	44.8
5	1081	0	0.070	2441	0.0
6	772	140	0.071	2208	42.3
7	540	235	0.070	2132	50.7
8	303	332	0.070	2286	39.9
9	663	0	0.020	1514	0.0
10	472	55	0.021	1381	34.9
11	287	104	0.020	1357	41.6
12	143	141	0.021	1485	27.2

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ250x99
Model number	9ADTV11P0G001
	9ADW1TV11P0G001

1. Product information on fans

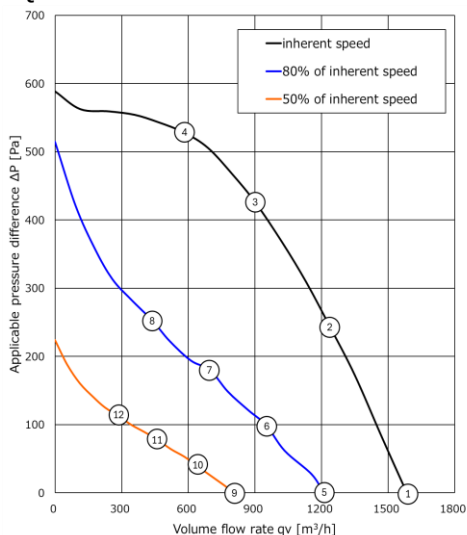
Fan type	Backward curved centrifugal fan
Efficiency: η [%]	48.4
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	65.8
Input power: P_e [kW]	0.221
Volume flow rate: q_v [m ³ /h]	904
Applicable pressure difference: Δp [Pa]	425
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2668
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTV11P0G001 9ADW1TV11P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v Applicable pressure difference: Δp Input power: P_e Speed: n Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m ³ /h	Δp Pa	P_e kW	n rpm	η %
1	1584	0	0.127	2676	0.0
2	1239	243	0.196	2674	42.5
3	904	425	0.221	2668	48.4
4	580	529	0.215	2669	39.6
5	1209	0	0.068	2089	0.0
6	951	99	0.071	1948	36.9
7	698	180	0.073	1827	47.6
8	440	252	0.069	1833	44.6
9	805	0	0.024	1413	0.0
10	637	40	0.024	1295	29.8
11	461	78	0.024	1209	42.3
12	287	112	0.024	1220	37.8

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.

Data Sheet of conformity assessment for ecodesign requirements

Fan size [mm]	Φ250x99
Model number	9ADTV23P0G001
	9ADW1TV23P0G001

1. Product information on fans

Fan type	Backward curved centrifugal fan
Efficiency: η [%]	50.3
VSD	No
Measurement category	A
Efficiency category	static
Efficiency grade : N	67.8
Input power: P_e [kW]	0.215
Volume flow rate: q_v [m ³ /h]	908
Applicable pressure difference: Δp [Pa]	429
Special characteristics	The fan is not classified as a dual-use fan, reversible fan, or low-noise fan.
DC voltage lower than 100 V	No
Significant elements supplied with the fan	None
Specific speed: σ_{BEP}	Not applicable.
Speed [rpm]	2688
Specific ratio	1
Manufacturer's name, registered trade name, and the address at which the manufacturer can be contacted.	Manufacturer: SANYO DENKI CO., LTD. Registered trade name : San Ace Contact address : 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo, 170-8451, Japan TEL: +81 3 5927 1020
Model number	9ADTV23P0G001 9ADW1TV23P0G001
Recycling or disposal	Dispose of the product in accordance with applicable laws, regulations, and local authority requirements.
Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan.	Check the fan specifications and use the product in accordance with the instruction manual.
Manufacturers shall provide information in the user manual on specific precautions to be taken when fans are assembled, installed or maintained, including cleaning.	Refer to the instruction manual.

2. PQ data at specified duties

■ Parameter Description

Volume flow rate: q_v

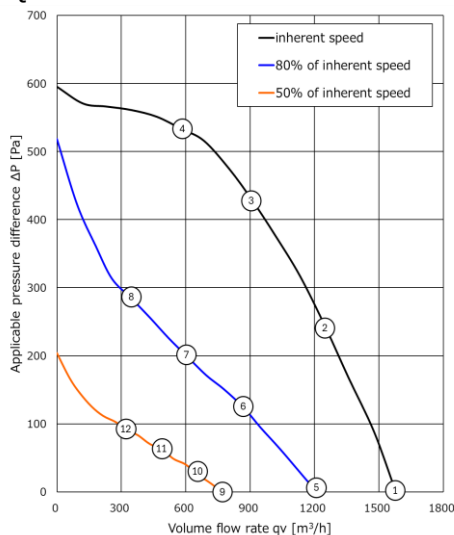
Applicable pressure difference: Δp

Input power: P_e

Speed: n

Efficiency: η

PQ curves



PQ parameters

Point No.	q_v m ³ /h	Δp Pa	P_e kW	n rpm	η %
1	1578	0	0.139	2689	0.0
2	1250	242	0.191	2688	44.0
3	908	429	0.215	2688	50.3
4	580	533	0.202	2687	42.5
5	1211	0	0.068	2099	0.0
6	871	123	0.069	1880	43.0
7	601	201	0.068	1778	49.0
8	345	285	0.071	1882	38.6
9	759	0	0.021	1329	0.0
10	648	27	0.021	1256	22.9
11	493	62	0.020	1167	42.2
12	323	91	0.021	1136	39.1

3. Resource efficiency product information

We do not sell spare parts or provide repair services.

4. Material efficiency product information

Access to professional repair services	Not applicable.
Information for ordering spare parts available to end users, either directly from the manufacturer or through other channels.	Not applicable.
Minimum availability period for these spare parts:	Not applicable.
Minimum guarantee period for the fan (years):	1 year
Details of any proprietary tools required for repair	Not applicable.
Instructions for correct installation	Refer to the instruction manual.
Maintenance instructions	Refer to the instruction manual.
Identification of errors, explanation of their meaning, and required corrective actions, including identification of errors requiring professional assistance.	Not applicable.
Information on the implications of self-repair or non-professional repair for user safety and the validity of the guarantee.	Do not attempt to repair this device, as doing so may result in electric shock, injury, or fire.

5. Product information for spare-part fans

Not applicable.