



Roof fans type DPV EC

Acoustic insulated roof fan made of black polypropylene with EC motor

Application

- Domestic roof fan for inclined or flat roof and low energy consumption

Composition

- The motor speed can be controlled with an external 0-10V signal
- 40-60% less energy consumption compared to an AC roof fan
- Built-in thermal contacts with automatic restart
- External rotor motor with backward curved impeller
- Supply: 230Vac 1ph
- Protection: IP34 - Insulation class B
- The motor speed can be controlled from 0 to 100%
- Vertical blow out
- Maintenance-free ball bearings
- Built-in connection cable
- The motor can be removed without tools
- ERP 2015 ready

Accessories

- Potentiometer, type **ESCP010**
- Pass-through elements, type **RPT, RPT-UNI** and **RPT-F**

Order example

DPV 190P

Explanation

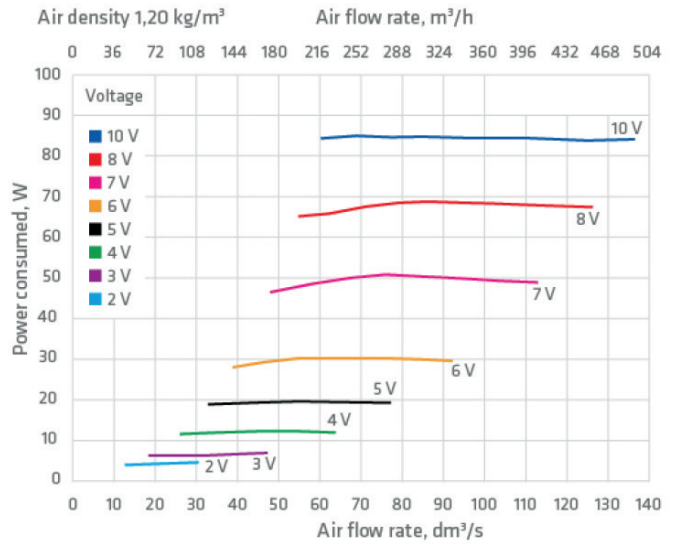
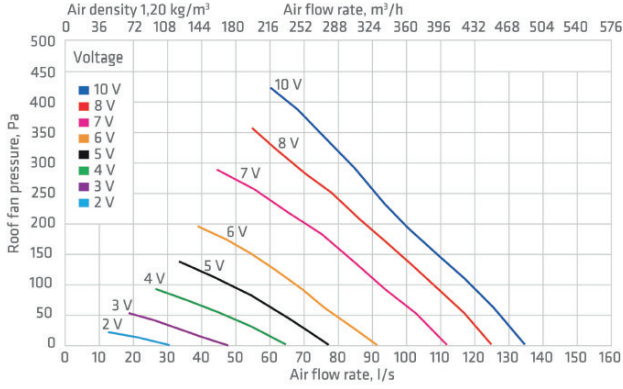
DPV 190P = type

	Air performance data				
	Q [m³/h]				
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa
DPV 110P EC	461	425	392	356	328
DPV 190P EC	608	551	486	436	378
DPV 220P EC	873	783	684	576	459

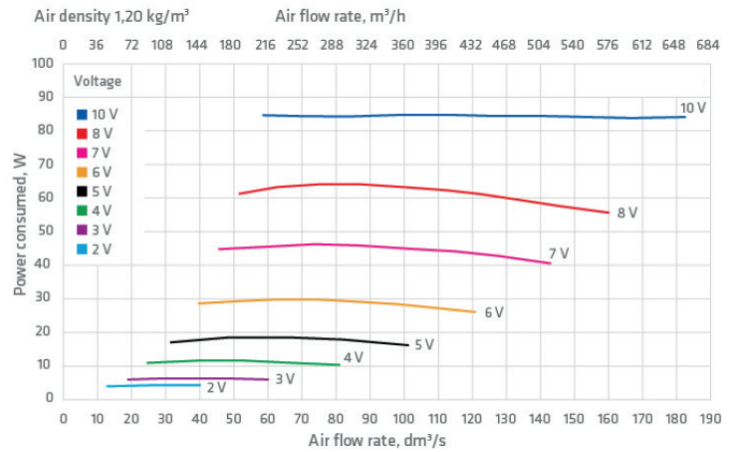
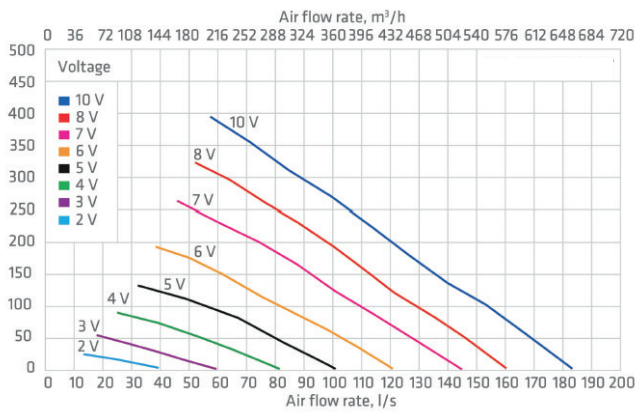
	Technical data					
	U [V]	P [W]	I [A]	SC _p	n [rpm]	Lpa @ 3m [dB(A)]
DPV 110P EC	230	83	0.75	-	3200	53,7
DPV 190P EC	230	83	0.75	ESCP010	3200	40,7
DPV 220P EC	230	85	0.7	ESCP010	2580	49

Selection curves

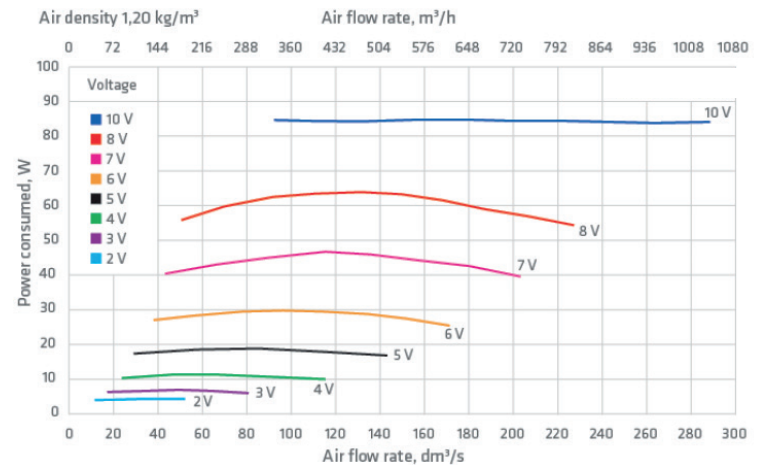
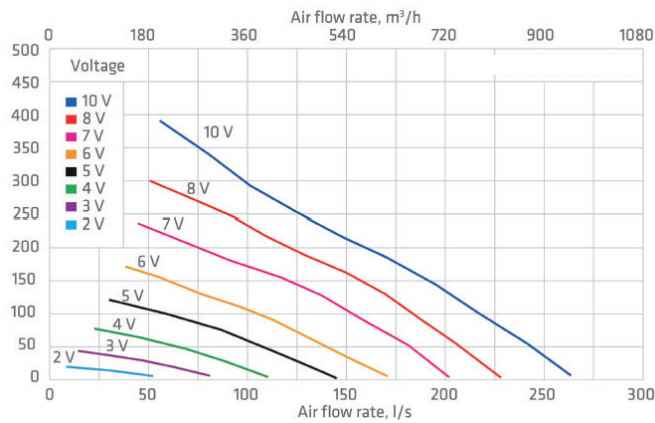
DPV 110P EC



DPV 190P EC



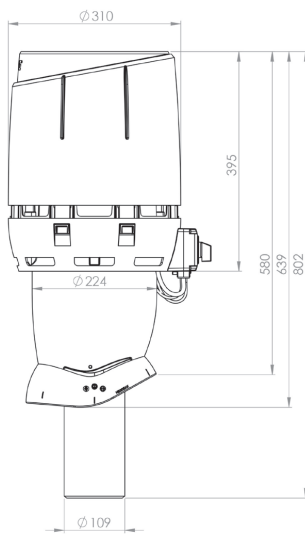
DPV 220P EC



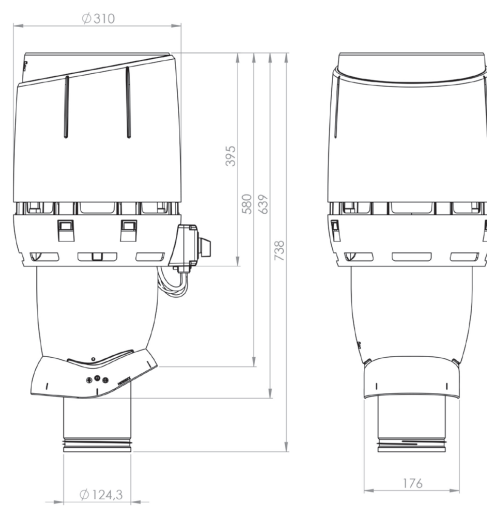
SC_P = Potentiometer
Lpa = Sound pressure level

Performance values									
Type		110P EC							
U _{DC}	V _{DC}	2	3	4	5	6	7	8	10
Q	m ³ /h	76.3	117.7	163.4	197.3	250.9	305.3	337.68	363.6
Δp	Pa	17.2	30.4	57	83.1	96	137	173	196
P	W	4.7	7.2	13	19.9	30.3	50.1	68.4	84.2
N	1/min	792	1128	1553	1874	2206	2653	2947	3157
LW63	dB	*	*	*	*	*	75.3	*	*
LW125	dB	*	67.5	75.2	76.6	80.1	82.1	84.2	85.2
LW250	dB	51.9	60.8	74.5	72	77.1	80.7	82.5	83.5
LW500	dB	*	51.8	61.1	64.7	69.3	74.5	77.4	79.3
LW1000	dB	*	44.8	52.5	57.1	61.8	67.2	70.1	73
LW2000	dB	*	*	41.8	47	51.6	56.5	59.2	61
LW4000	dB	*	*	33.3	39.8	45.9	51.6	54.7	56.7
LW8000	dB	*	*	*	*	35.8	42.8	46.3	48.4
LW	dB	*	*	78.5	79.2	82.7	85.4	87.4	88.5
LWA	dB(A)	*	55.7	66.3	67	71.6	75.9	78.2	79.8
Type		190P EC							
U _{DC}	V _{DC}	2	3	4	5	6	7	8	10
Q	m ³ /h	93.2	140	190.8	238.3	309.6	367.2	403.2	453.6
Δp	Pa	17.6	32.3	54.2	80.6	94.5	126	159	188
P	W	4.1	6.5	11.4	18.8	29.3	45	62	84.8
N	1/min	766	1088	1446	1786	2129	2488	2770	3069
LW63	dB	*	*	*	*	*	77.5	71.7	78.3
LW125	dB	*	55.4	60.1	64	68.2	70.7	71.5	72.8
LW250	dB	*	47.5	53.3	59.3	62.2	65.8	67.6	70
LW500	dB	*	*	42.5	47	50.6	53.9	56.4	58.8
LW1000	dB	*	*	30	33.8	38.2	41.6	44.1	46.7
LW2000	dB	*	*	*	*	30.6	34.6	37.4	40.4
LW4000	dB	*	*	*	*	*	32.4	36.3	40.1
LW8000	dB	*	*	*	*	*	32	35.8	39.5
LW	dB	*	*	*	*	71.2	78.5	75.5	79.9
LWA	dB(A)	*	*	48	52.5	56.1	59.7	61.1	63.2
Type		220P EC							
U _{DC}	V _{DC}	2	3	4	5	6	7	8	10
Q	m ³ /h	115.6	176.8	246.6	310.32	406.8	486	536.4	612
Δp	Pa	15.8	31	49.2	77.5	94.5	130	164	182
P	W	4.1	6.8	11.4	19.2	29.7	46.3	63.8	82.6
N	1/min	616	879	1145	1430	1699	2000	2228	2431
LW63	dB	*	*	*	64	65.2	68.1	69.7	71.6
LW125	dB	*	59.6	63.3	70.9	70.5	72.9	74.3	76.3
LW250	dB	*	50.8	57.7	62.6	66.4	70	72.4	72.9
LW500	dB	38.4	45.8	51.4	55.8	59.6	62.8	65	67.1
LW1000	dB	30.9	40.8	47.1	51.9	55.7	59.2	61.4	63.2
LW2000	dB	*	30.4	39.5	46.3	51.5	55	57.5	59.7
LW4000	dB	*	*	*	38	44	49.4	52.9	55.8
LW8000	dB	*	*	*	*	37.2	44.1	48.4	51.4
LW	dB	*	62.6	*	72.4	73.1	75.9	77.7	79.3
LWA	dB(A)	*	48.6	54.1	60.3	62.5	66	68.3	70.1

DPV 110P EC



DPV 190P EC



DPV 220P EC

