

- Wall fan
- Until 8500 m³/h
- IP55



Axial fans with EC motor type APFV-L EC

Axial wall fan with EC motor

Application

- The **APFV-L EC** wall fans are suitable for the extraction of industrial livestock farms, greenhouses, garages, gymnastics rooms, parking garages, ...

Specifications

- Blow orientation: The air moves from motor to impeller.

Composition

- The fan case and the impeller are made of steel body with polymeric covering
- Terminal box has a cord for remote connecting
- Energy-efficient EC motor
- Maintenance-free ball bearings (40.000 operating hours)
- Class of motor protection is IP55
- Voltage: 230Vac 1ph 50Hz or 400Vac 3ph 50Hz
- Suitable for speed control with 0-10V external signal or potentiometer

Accessories

- Backdraught shutters, type **VK**
- Potentiometer, type **ESCP010-S**
- Potentiometer 4 positions, type **ESCP010-4P**

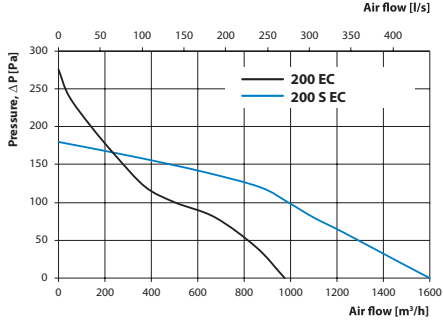
Order example

APFV-L 300 EC + ESCP010

- **APFV-L** = Fan
- **300** = Flange diameter
- **EC** = EC motor
- **ESCP010**= potentiometer

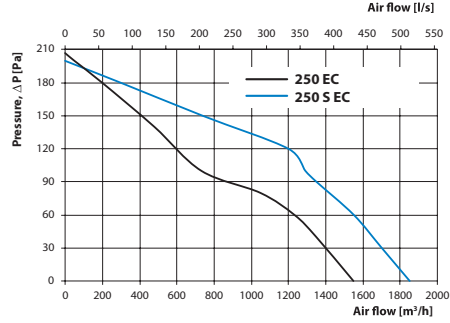
Air performance data											
	Q [m ³ /h]										
	0 Pa	25 Pa	50 Pa	75 Pa	100 Pa	125 Pa	150 Pa	175 Pa	200 Pa	225 Pa	250 Pa
APFV-L 200 EC	975	900	815	700	500	350	260	200	125	75	25
APFV-L 250 EC	1550	1420	1300	1100	725	550	410	225	50	-	-
APFV-L 300 EC	2400	2150	1850	1500	1025	650	120	-	-	-	-
APFV-L 350 EC	3500	3150	2800	2300	1750	1275	850	575	325	-	-
APFV-L 400 EC	4000	3400	2750	1375	250	-	-	-	-	-	-
APFV-L 450 EC	7400	7100	6750	6400	6000	5500	4800	3600	2600	2100	1000
APFV-L 500 EC	8500	8150	7650	7175	6500	5550	3250	2400	1625	725	-

Selection curves



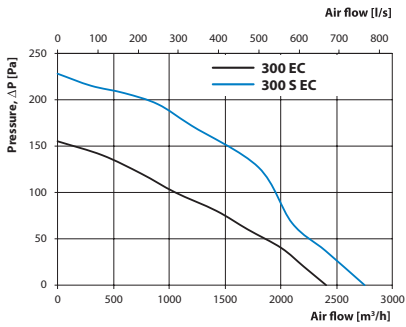
200 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	70	55	67	66	60	58	50	37	31	50	60

200 S EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	75	60	72	70	63	61	52	39	33	54	64



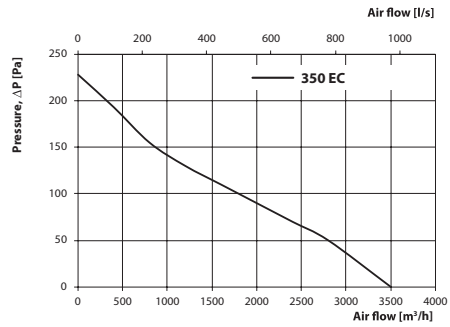
250 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	71	56	68	66	60	58	50	37	31	50	60

250 S EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	77	62	75	72	65	63	54	40	34	57	67

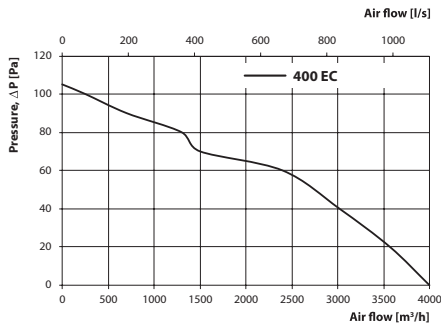


300 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	78	63	75	73	66	63	54	41	34	57	67

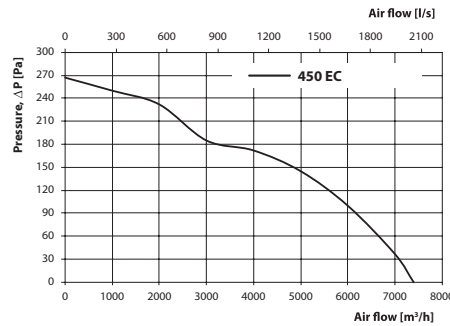
300 S EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	78	63	76	73	66	63	54	41	34	57	67



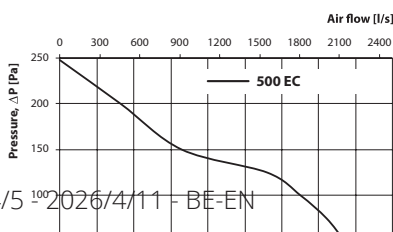
250 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	78	63	76	73	66	64	54	41	34	58	68



400 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	79	64	76	73	66	64	55	41	34	58	68

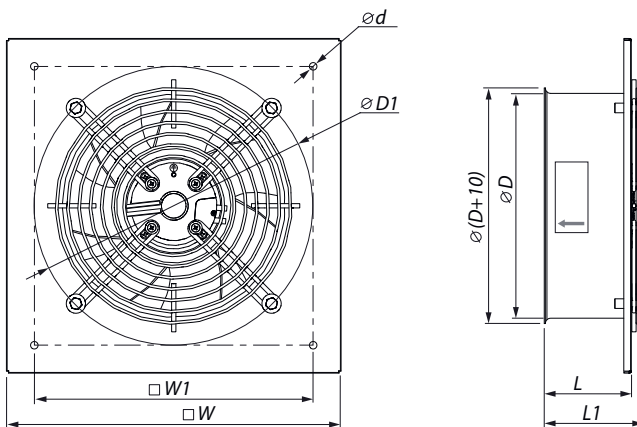


450 EC		Octave-frequency band [Hz]								LpA, 3 m	LpA, 1 m	
Sound-power level		Gen.	63	125	250	500	1000	2000	4000	8000	dBa	dBa
L _{WA} to environment	dBa	86	71	84	80	72	69	59	44	37	65	75



Technical data								
	U [V]	P [W]	I [A]	SC _P	T _m [°C]	To [°C]	n [rpm]	L _{pa} @ 3 m [dBA]
APFV-L 200 EC	1x230	55	0.4	ESCP	60	-25	2780	50
APFV-L 250 EC	1x230	85	0.61	ESCP	60	-25	2480	50
APFV-L 300 EC	1x230	150	1.2	ESCP	60	-25	2000	57
APFV-L 350 EC	1x230	200	1.4	ESCP	60	-25	1670	58
APFV-L 400 EC	1x230	170	1.3	ESCP	60	-25	1180	58
APFV-L 450 EC	1x230	380	1.7	ESCP	60	-25	1400	65
APFV-L 500 EC	1x230	700	3.1	ESCP	60	-25	1600	70

- SC_P = Potentiometer 0-10V
- T_m = Maximum air temperature
- To = Minimum operating temperature
- L_{pa} @ 3m = Sound pressure at 3 m



Dimensions								
	ØD [mm]	ØD1 [mm]	Ød [mm]	W [mm]	W1 [mm]	L [mm]	L1 [mm]	[kg]
APFV-L 200 EC	210	260	7	312	260	81	93	2
APFV-L 250 EC	262	325	7	370	320	81	93	2.54
APFV-L 300 EC	317	365	9	430	380	104	116	3.4
APFV-L 350 EC	374	420	9	485	435	97	157	4.77
APFV-L 400 EC	416	468	9	540	490	97	157	5.65
APFV-L 450 EC	470	520	11	576	535	176	294	7.05
APFV-L 500 EC	520	568	11	655	615	180	294	8.31