



Centrifugal fans with EC-motor type VMI EC

Double inlet centrifugal fan with EC motor

Application

- VMI EC fans are used as replacement motors for the CVI-DP EC

Composition

- Casing in galvanized sheet steel
- Double inlet with forward curved impeller, external rotor
- Motor with overheat protection – Insulation class F – Protection IP44
- Electrical connection provided connection box IP55
- Supply: 230Vac 1ph
- Suitable for speed regulation
- Mounting profile included

Accessories

- Outlet flanges, type VMI FL
- Potentiometers 0-10V, type ESCP010

Order example

VMI 7/7-4 EC + ESCP

Explanation:

VMI 7/7-4 EC = fan type

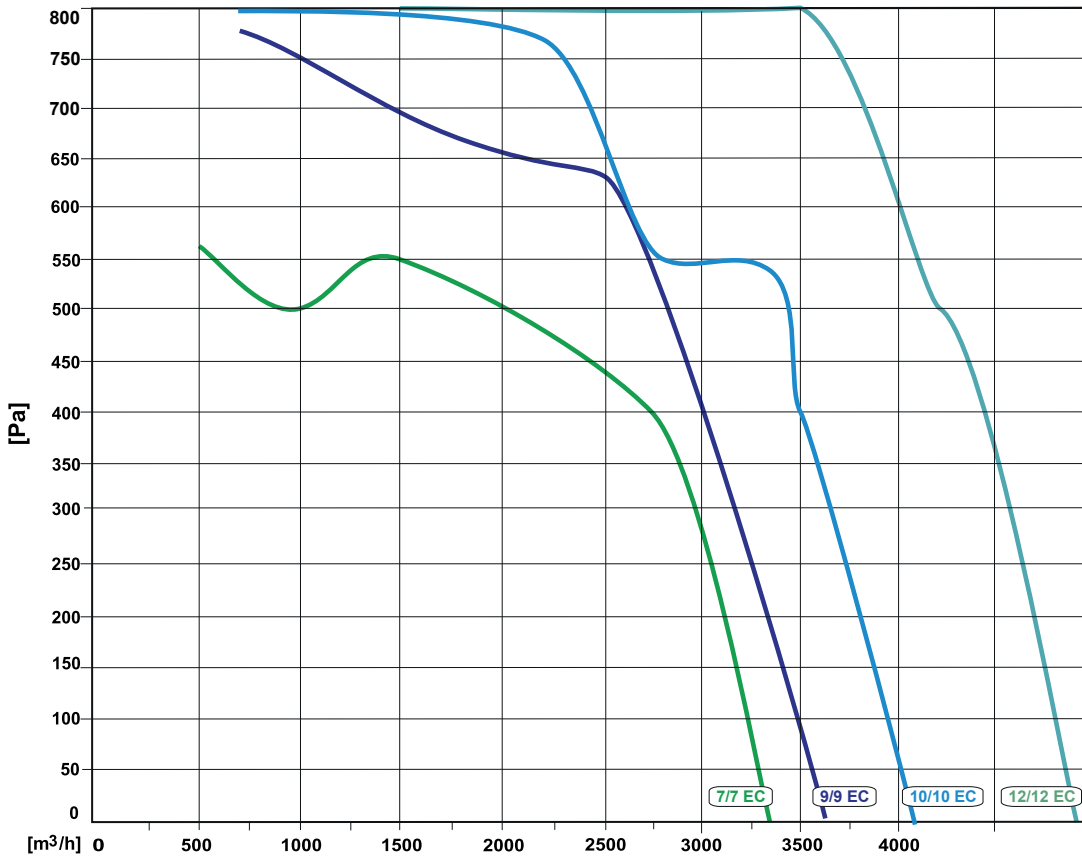
ESCP = potentiometer

	Air performance data										
	Q (m ³ /h)										
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	750 Pa
VMI 7/7-4 EC	3300	3240	3190	3120	3040	2960	2750	2000	-	-	-
VMI 9/9-4 EC	3550	3480	3430	3340	3260	3160	3000	2820	2580	1460	-
VMI 10/10-4 EC	4020	3980	3900	3830	3740	3660	3500	3480	2620	2460	-
VMI 12/12-4 EC	4890	4830	4760	4720	4650	4600	4440	4240	4000	3840	3500

Attention

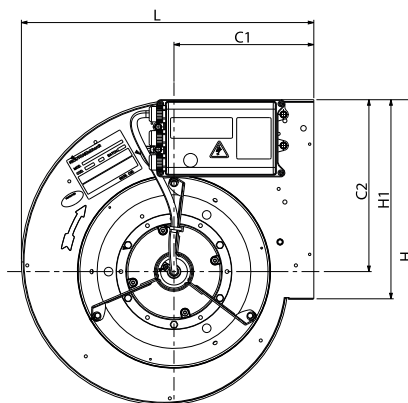
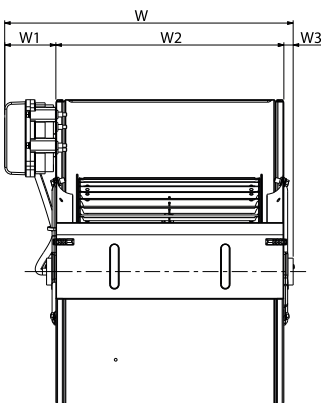
The VMI EC fan may never be used with free inlet. There should be a minimal counter-pressure as indicated above. Please measure the current at first starting.

Selection curves



	Technical data							
	U [V]	P [W]	I [A]	SC _P	T _m [°C]	To [°C]	n [rpm]	L _{pa} max [dB(A)]
VMI 7/7-4 EC	1 x 230	400	4,3	ESCP010	40	-20	1950	71
VMI 9/9-4 EC	1 x 230	400	4,3	ESCP010	40	-20	1950	73
VMI 10/10-4 EC	1 x 230	800	4,67	ESCP010	40	-20	1950	74
VMI 12/12-4 EC	1 x 230	2000	7,49	ESCP010	40	-20	1600	76

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



	Dimensions									
	L [mm]	W [mm]	W1 [mm]	W2 [mm]	W3 [mm]	H [mm]	H1 [mm]	C1 [mm]	C2 [mm]	
VMI 7/7-4 EC	315.5	332.6	74.1	232	26.5	325	208.6	153	186.5	
VMI 9/9-4 EC	378.5	378.1	80.1	298	-	387	262.5	185	215.5	
VMI 10/10-4 EC	424.5	418.8	74.1	331	13.5	443	289	203	249.5	
VMI 12/12-4 EC	490.5	493.8	98.8	395	-	521	341	230	294.7	