



Fan boxes - 6 mm insulation type CVI-SP

Direct driven centrifugal fan box

Application

- Air supply or exhaust of offices, restaurants or shops
- Convenient for indoor and outdoor installation

Composition

- The casing of the **CVI-SP** is made of galvanized steel sheets with 6 mm insulation (fire class A1 according to EN 13501-1)
- Two removable side panels allow quick and easy maintenance
- Round connections on the suction and discharge side
- A cable entry is provided for the electrical connection

Fan

- Low pressure centrifugal fan with forward curved impeller manufactured from pressed and formed galvanised sheet steel
- All impellers are factory fitted to the motors and dynamically balanced to minimise vibration

Motor

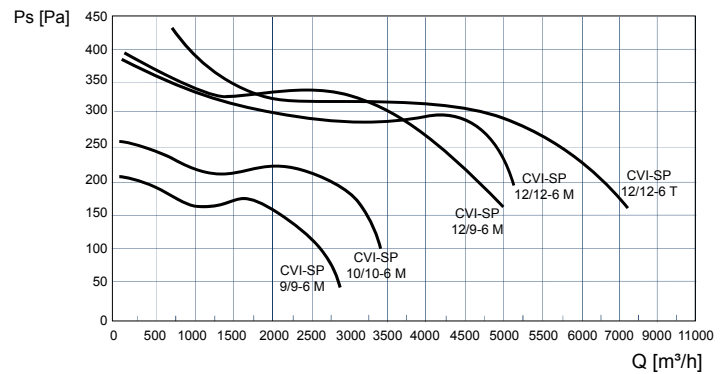
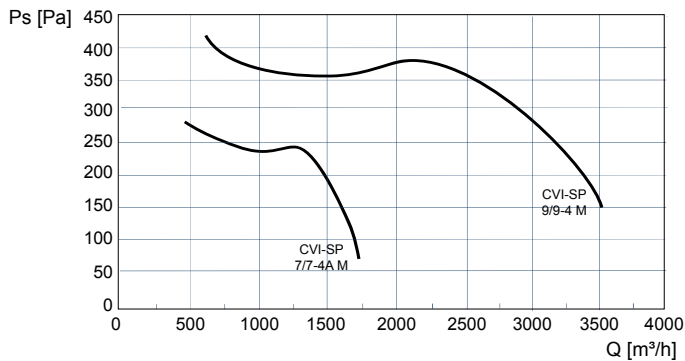
- Closed motor
- Protection class IP55 or IP 44, insulation class F
- Supply: 230Vac 1ph or 230/400Vac 3ph
- All models include a Safety Thermal Overload protection device

Accessories

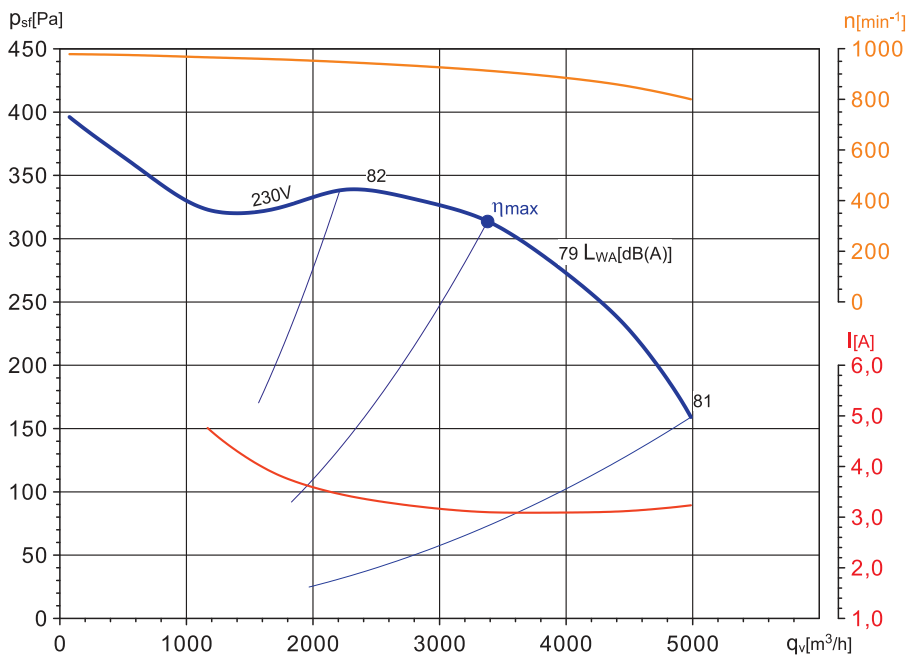
- Auto transformer, type **BTRN** or **BTRNTK**
- Frequency converter 230V in / 3x230V out, type **FIS-13**
- Frequency converter 3x400V in / 3x400V out, type **FIS-44**
- Clamping strip, type **BMK**
- Filter box G4, type **FLK-BN** or **FLK-B**
- Filter box F7, type **FLF-B**
- Silencer, type **SAR**
- Duct battery, type **CVA, CWA, CWK**

Air performance data								
	Q [m³/h]							
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	350 Pa	400 Pa
CVI-SP 7/7-4A M	-	1700	1650	1450	750	-	-	-
CVI-SP 9/9-6 M	2800	2600	2100	-	-	-	-	-
CVI-SP 9/9-4 M	-	-	3530	3375	3150	2800	2525	700
CVI-SP 10/10-6 M	-	3350	3175	2750	350	-	-	-
CVI-SP 12/9-6 M	-	-	-	4680	4150	3500	860	-
CVI-SP 12/12-6 M	-	-	-	-	4850	2000	685	-
CVI-SP 12/12-6 T	-	-	-	6550	5750	4680	1450	935

Selection curves



Selection curves

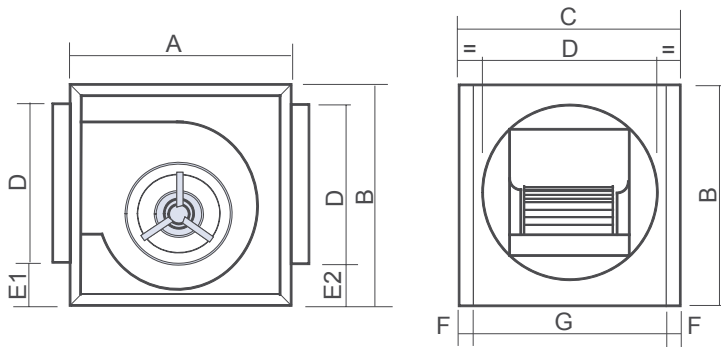


Note

The CVI-SP 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.

Technical data								
	U [V]	P [W]	I [A]	SCr	t _m [°C]	IP	n [rpm]	Lp _{amax} [dB(A)]
CVI-SP 7/7-4A M	1 x 230	147	1.6	BTRN-1-2	40	55	1420	60
CVI-SP 9/9-6 M	1 x 230	245	2.2	BTRN-1-3	40	55	960	62
CVI-SP 9/9-4 M	1 x 230	550	4.6	BTRN-1-5	40	55	1420	66
CVI-SP 10/10-6 M	1 x 230	245	2.8	BTRN-1-3	40	44	980	64
CVI-SP 12/9-6 M (ErP 2015)*	1 x 230	750	5.5	BTRN-1-10	40	44	980	84
CVI-SP 12/9-6 M	1 x 230	750	5.5	BTRN-1-7	40	55	913	67
CVI-SP 12/12-6 M	1 x 230	1000	6.3	BTRN-1-7	40	44	899	67
CVI-SP 12/12-6 T	3 x 230/400	1100	5.2 / 3.0	BTRNTK-4-40 / FIS-13 / FIS-44	40	44	980	68

Fan casings



	Dimensions							
	A [mm]	B [mm]	C [mm]	D [mm]	E1 = E2 [mm]	F [mm]	G [mm]	[kg]
CVI-SP 7/7	450	450	450	250	148	20	410	25
CVI-SP 9/9	550	550	550	355	140	20	510	35
CVI-SP 10/10	600	600	600	400	154	20	560	39
CVI-SP 12/9	650	650	700	450	155	20	660	53
CVI-SP 12/12	650	650	700	450	155	20	660	55