

## Fan box type CVV

- Direct driven centrifugal fan box

### Application

- Insufflation, transfer or extraction of air in ventilation systems
- Horizontal mounting, indoor or outdoor installation
- 6 sizes covering a flow range from 500 to 26 000 m<sup>3</sup>/h

### Composition

- Galvanized sheet steel panels
- Single skin insulation by rock wool (50 to 62 kg/m<sup>3</sup>), thickness 25 mm (optional)
- Double skin insulation by rock wool (50 to 62 kg/m<sup>3</sup>), thickness 25 mm (optional)
- Reaction to fire of wool according to EN 13501-1: A1
- Removable side panels
- Horizontal or vertical discharge on request

### Fan

- Action fan (**CVV A**) or reaction fan (**CVV R**)

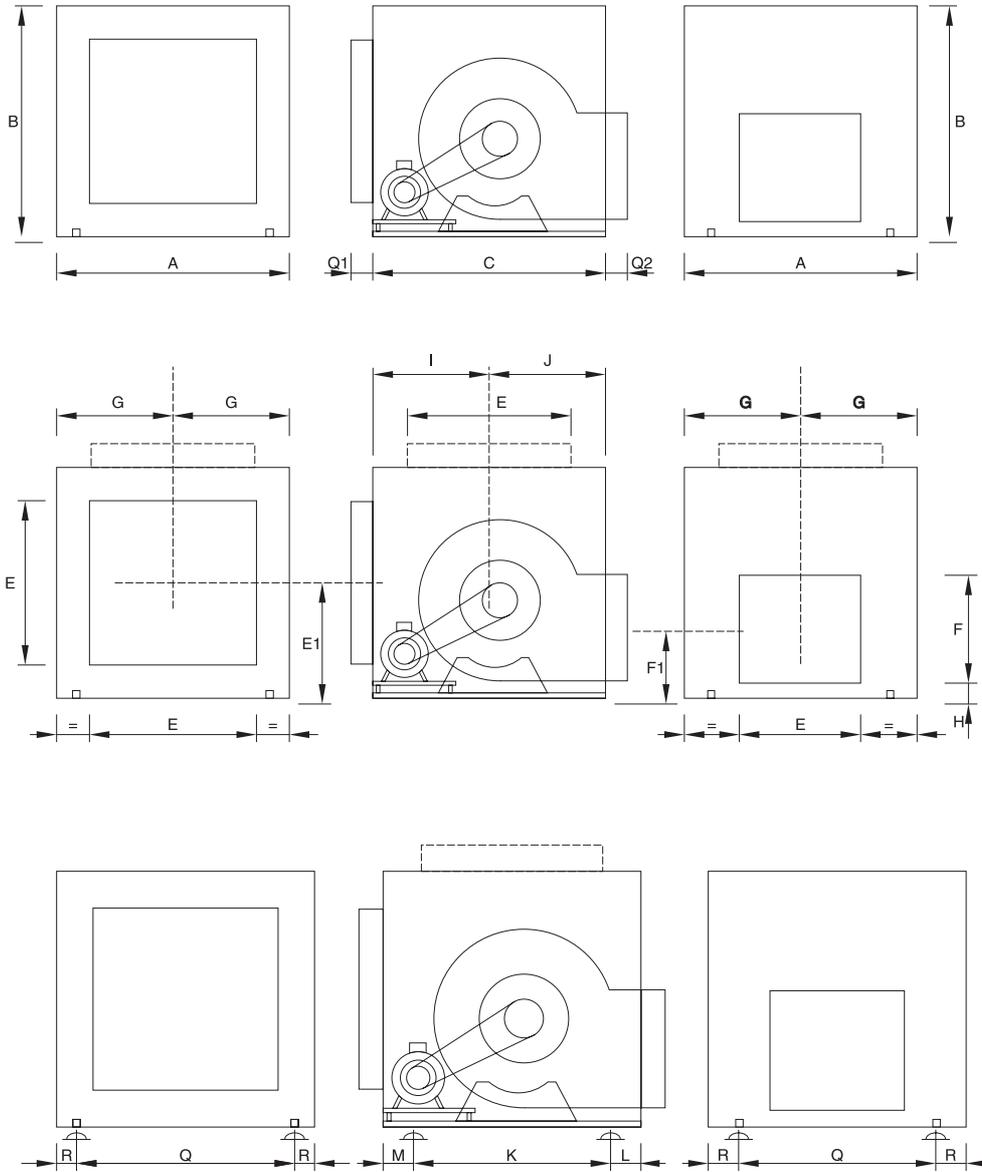
### Motor

- Fan unit with belt pulley transmission, mounted on anti-vibration mounts and flexible joints
- Three-phase motor with integrated thermal protection

### Accessories

- Proximity cut-off **IPC**
- Air pressure switch **HUB**
- Variable speed drives or other models (mandatory for ErP compliance) **VFTT**
- Single skin insulation 25 mm or 50 mm ISO **SP**
- Double skin insulation 25 mm or 50 mm ISO **DP**
- Rectangular connection sleeve **MAR**
- Ferrule plate **PAV**
- Discharge transformation part **PTDOF**
- Discharge grille **GRA**
- Circular connection sleeve **MANS-PU**

- Mesh rain shield with suction **SGAH** or discharge **SGRH**
- Vibration damper **DSD**



	Dimensions										
	A [mm]	B [mm]	C [mm]	Q1 [mm]	Q2 [mm]	E [mm]	E1 [mm]	F [mm]	F1 [mm]	G [mm]	
CVV 200	630	630	659	50	100	450	315	264	162	315	
CVV 250	630	630	659	50	100	450	315	330	195	315	
CVV 315	950	1000	1057	50	100	600	500	416	265	475	
CVV 355	950	1000	1057	50	100	600	500	465	293	475	
CVV 400	1150	1150	1207	65	100	750	575	519	319	575	
CVV 450	1150	1150	1207	65	100	750	575	591	350	575	
	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	Q [mm]	R [mm]			[kg]
CVV 200	30	315	344	520	84	55	550	40			53
CVV 250	30	315	344	520	84	55	550	40			55
CVV 315	57	500	557	844	130	83	794	78			128
CVV 355	60.5	500	557	844	130	83	794	78			133
CVV 400	59.5	575	632	984	140	83	994	78			195
CVV 450	59.5	575	632	984	140	83	994	78			202

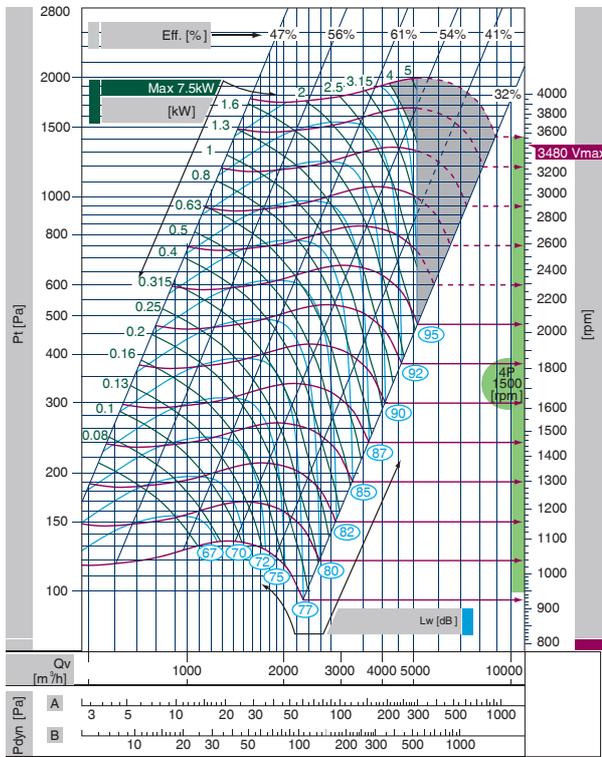
**Note**

The BUPE 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.

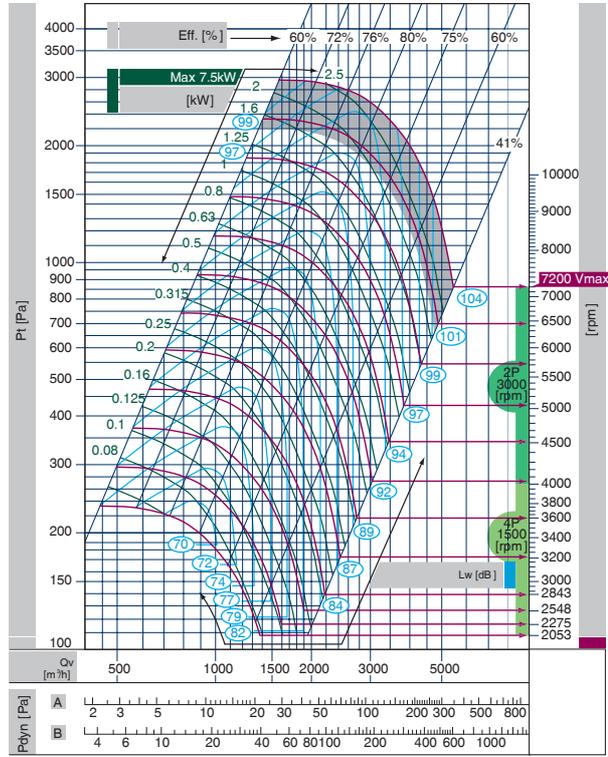
Technical data							
Power [kW]	Nominal current [A]	Variation of speed	Thermal protection	Temperature range [°C]	Class of protection	Axle height [mm]	Weight (including box) [kg]
<b>1 speed, 4 poles, 3Ph, 400V</b>							
0.37	1.1	VFTT 0075	yes	from -20°C to +40°C	IP55	71	9.5
0.55	1.3	VFTT 0075	yes	from -20°C to +40°C	IP55	80	12.5
0.75	1.7	VFTT 0075	yes	from -20°C to +40°C	IP55	80	15.0
1.1	2.4	VFTT 0150	yes	from -20°C to +40°C	IP55	90	19.5
1.5	3.3	VFTT 0150	yes	from -20°C to +40°C	IP55	90	21.5
1.8	4.0	VFTT 0220	yes	from -20°C to +40°C	IP55	90	21.5
2.2	4.7	VFTT 0220	yes	from -20°C to +40°C	IP55	100	28.5
3.0	6.2	VFTT 0300	yes	from -20°C to +40°C	IP55	100	33.5
4.0	8.2	VFTT 0400	yes	from -20°C to +40°C	IP55	112	42.5
5.50	10.5	VFTT 0550	yes	from -20°C to +40°C	IP55	132	48.5
7.50	14.1	VFTT 0750	yes	from -20°C to +40°C	IP55	132	55.5
9.20	17.3	VFTT 1100	yes	from -20°C to +40°C	IP55	132	75.5
11.00	21.2	VFTT 1100	yes	from -20°C to +40°C	IP55	160	105.0
15.00	28.7	VFTT 1500	yes	from -20°C to +40°C	IP55	160	125.0
18.50	31.5	VFTT 1850	yes	from -20°C to +40°C	IP55	180	164.0
<b>1 speed, 2 poles, 3Ph, 400V</b>							
0.37	0.9	VFTT 0075	yes	from -20°C to +40°C	IP55	71	9.0
0.55	1.3	VFTT 0075	yes	from -20°C to +40°C	IP55	71	11.0
0.75	1.7	VFTT 0075	yes	from -20°C to +40°C	IP55	80	12.0
1.1	2.4	VFTT 0150	yes	from -20°C to +40°C	IP55	80	15.0
1.5	3.2	VFTT 0150	yes	from -20°C to +40°C	IP55	80	17.5
1.8	4.0	VFTT 0220	yes	from -20°C to +40°C	IP55	90	19.0
2.2	4.6	VFTT 0220	yes	from -20°C to +40°C	IP55	90	21.0
3.00	6.0	VFTT 0300	yes	from -20°C to +40°C	IP55	100	26.0
4.00	7.8	VFTT 0400	yes	from -20°C to +40°C	IP55	112	33.0
5.50	10.6	VFTT 0550	yes	from -20°C to +40°C	IP55	112	51.0
7.50	14.1	VFTT 0750	yes	from -20°C to +40°C	IP55	132	56.0
9.20	17.3	VFTT 1100	yes	from -20°C to +40°C	IP55	132	61.0
11.00	21.2	VFTT 1100	yes	from -20°C to +40°C	IP55	132	104.0
15.00	28.7	VFTT 1500	yes	from -20°C to +40°C	IP55	160	112.0
18.50	31.5	VFTT 1850	yes	from -20°C to +40°C	IP55	160	124.0

**Pressure loss graph**

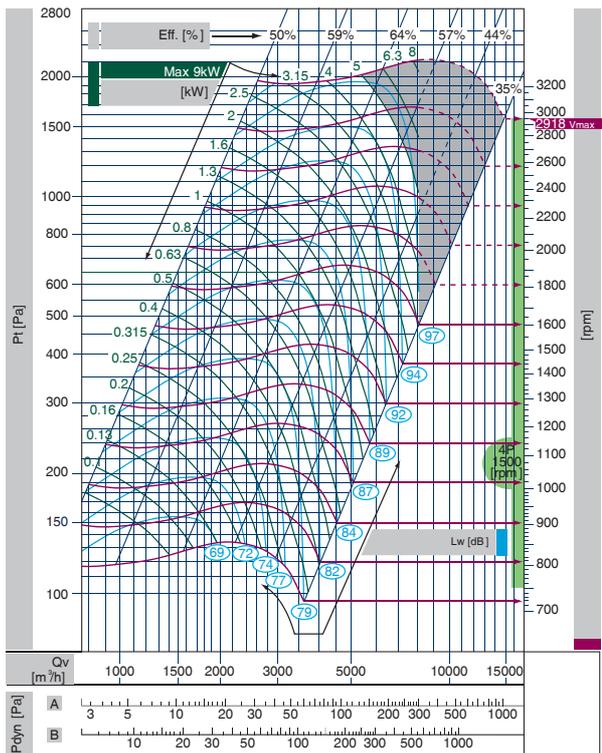
**CVV A 200**



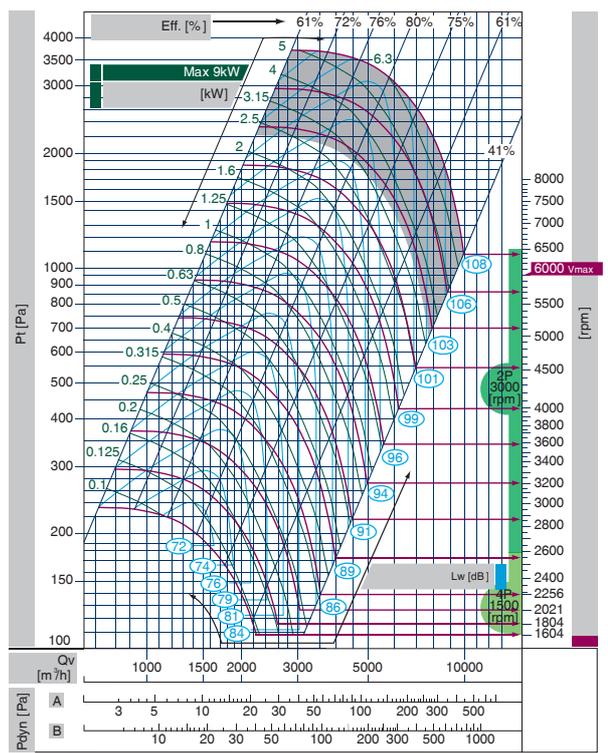
**CVV R 200**



**CVV A 250**

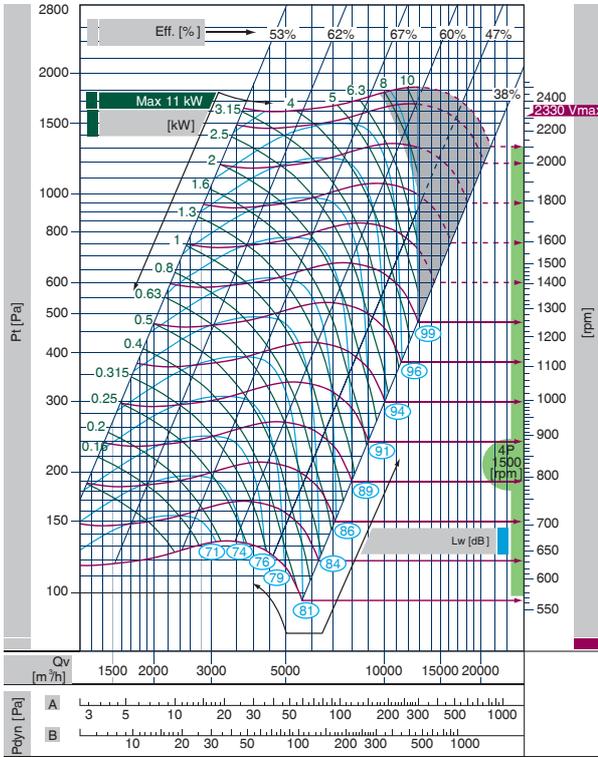


**CVV R 250**

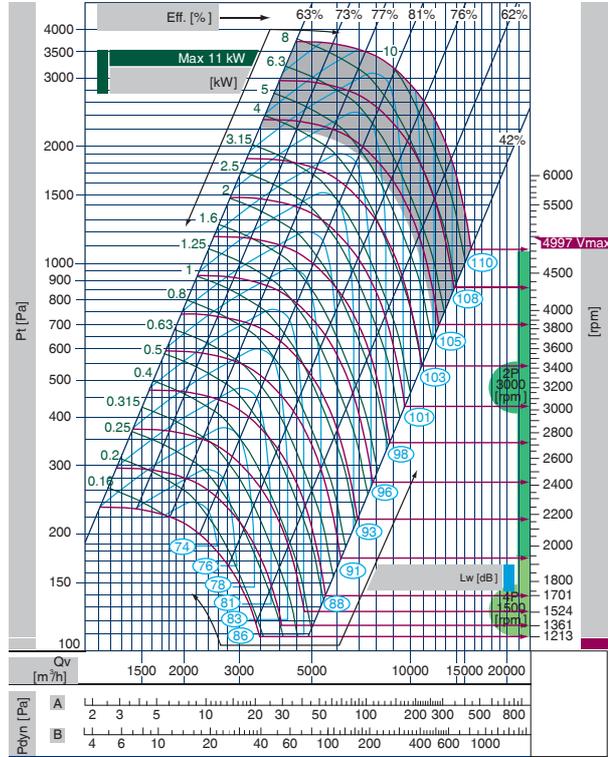


**Pressure loss graph**

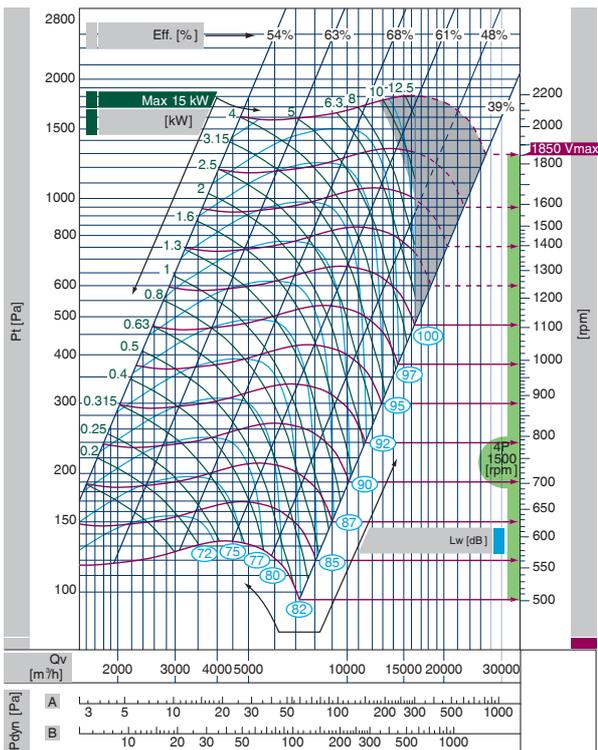
CVV A 315



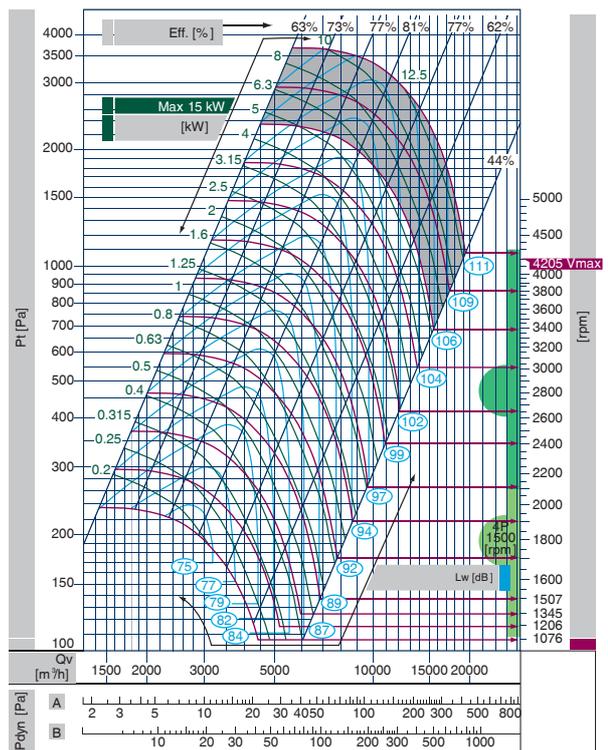
CVV R 315



CVV A 355

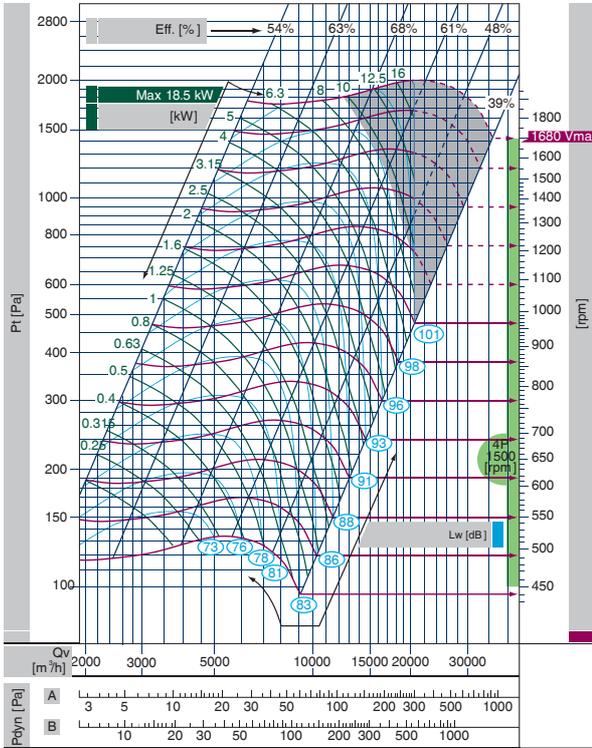


CVV R 355

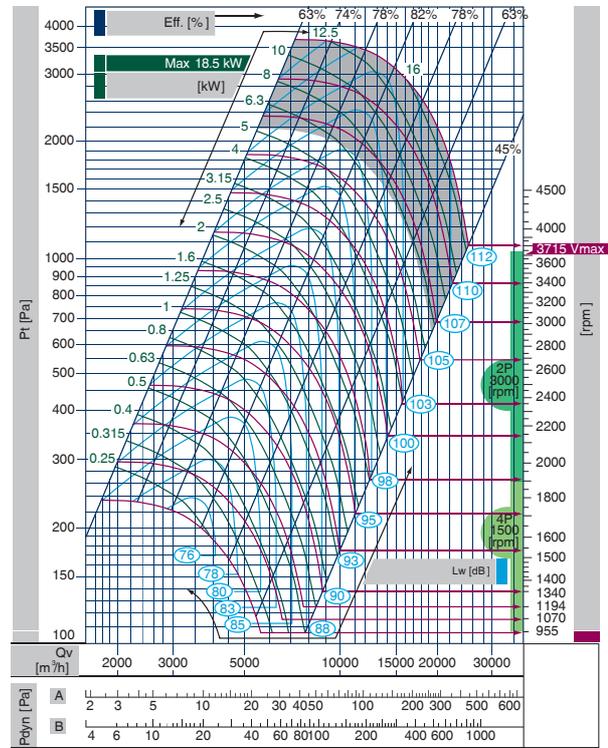


**Pressure loss graph**

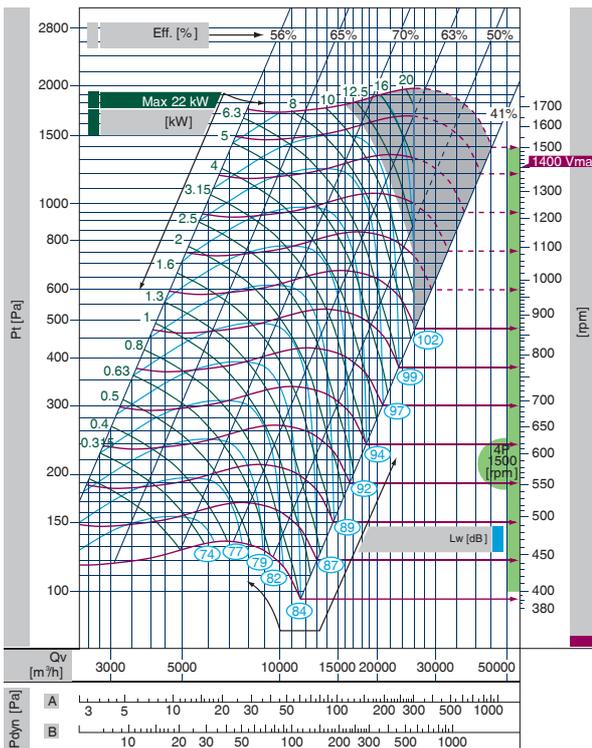
CVV A 400



CVV R 400



CVV A 450



CVV R 450

