

- Wall fan
- Until 12.200 m³/h
- IP24



Axial fans type APFV-L

Application

- The **APFV-L** 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 fan (impeller).

Composition

- The fan case and the impeller are made of steel body with polymeric covering
- Terminal box has a cord for remote connecting
- Two- and four-pole of one- or three-phase asynchronous motors equipped with built-in thermal protection on automatic restart are used
- Maintenance-free ball bearings (40 000 operating hours)
- Class of motor protection is IP 44
- Voltage: 230Vac 1ph 50Hz or 400Vac 3ph 50Hz
- Suitable for speed control

Accessories

- Backdraught shutters, type **VK**
- Transformer speed controller 230V, type **TSC-1**
- Transformer speed controller 3x400V, type **TSCTK-4**
- Electronic speed controller, type **ESC**

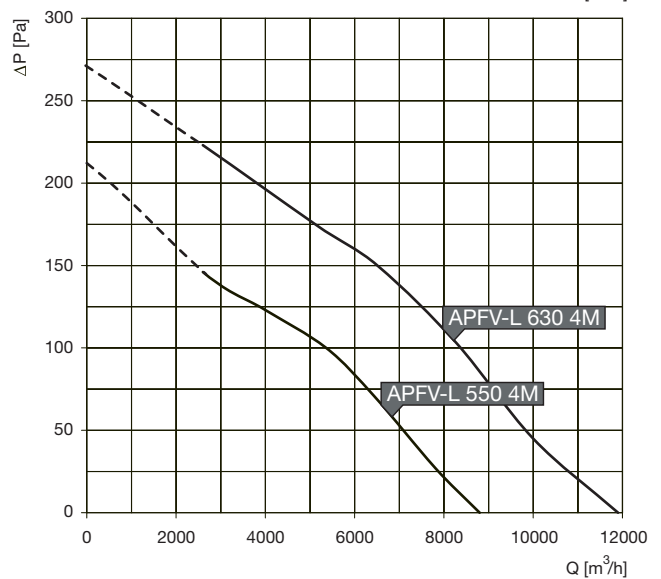
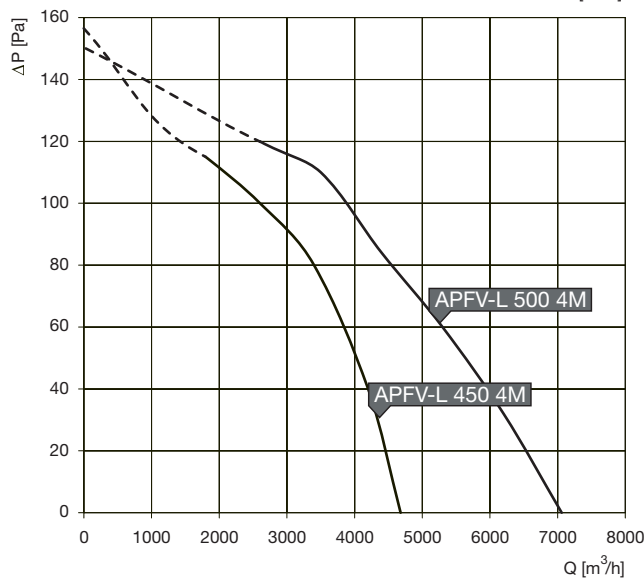
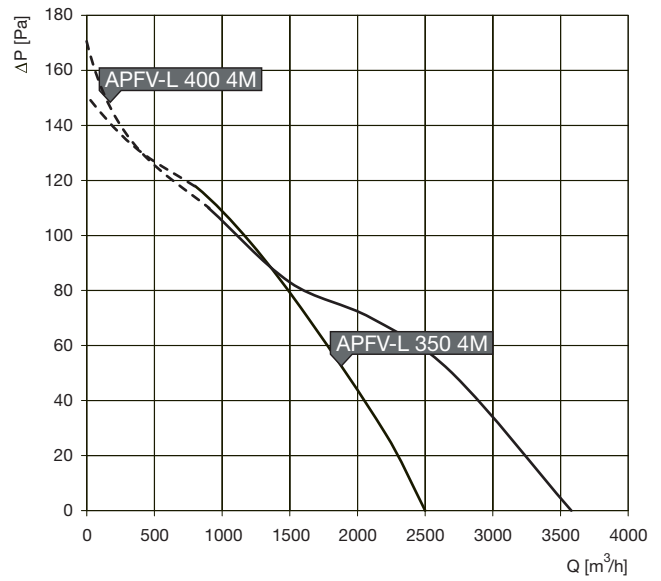
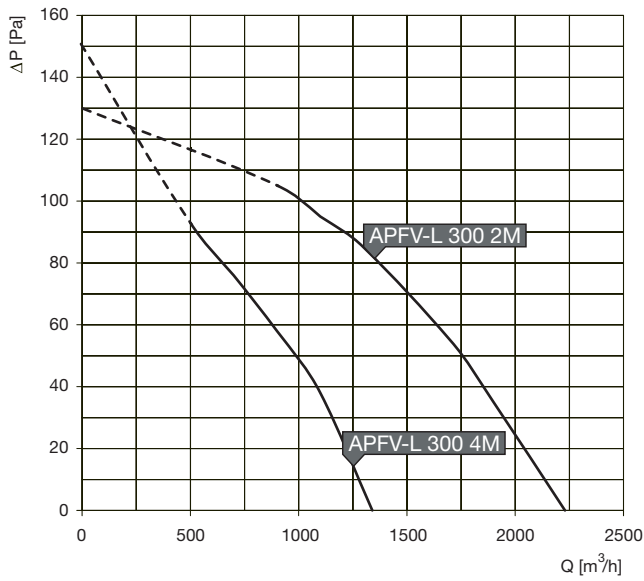
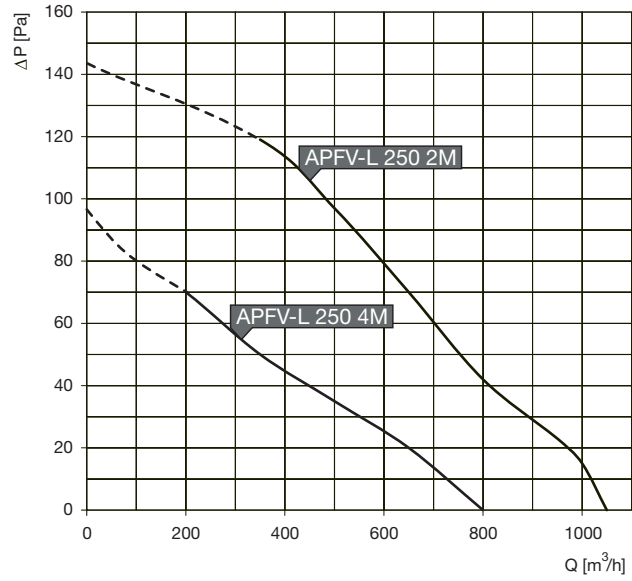
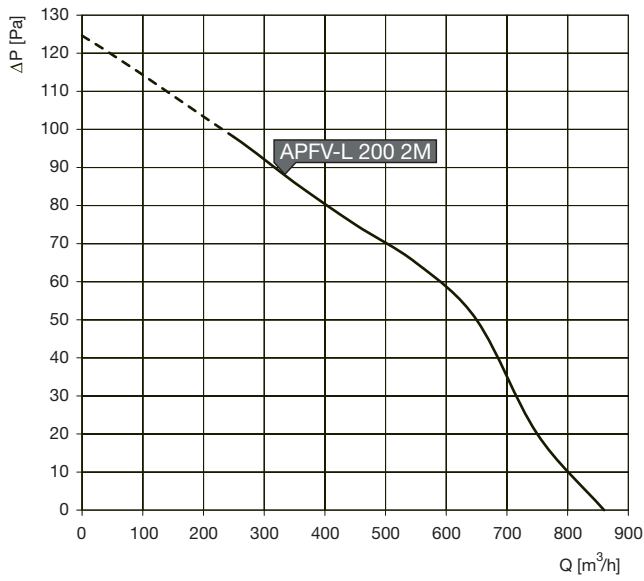
Order example

APFV-L 300 4M + TSC-1-15

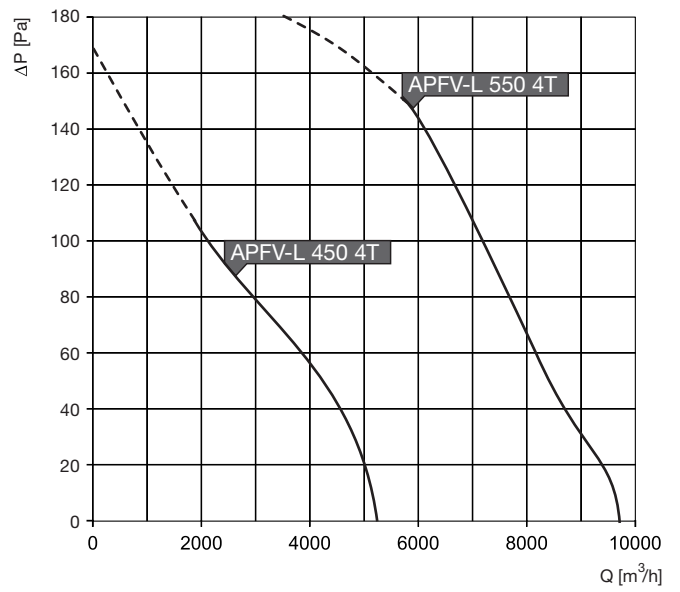
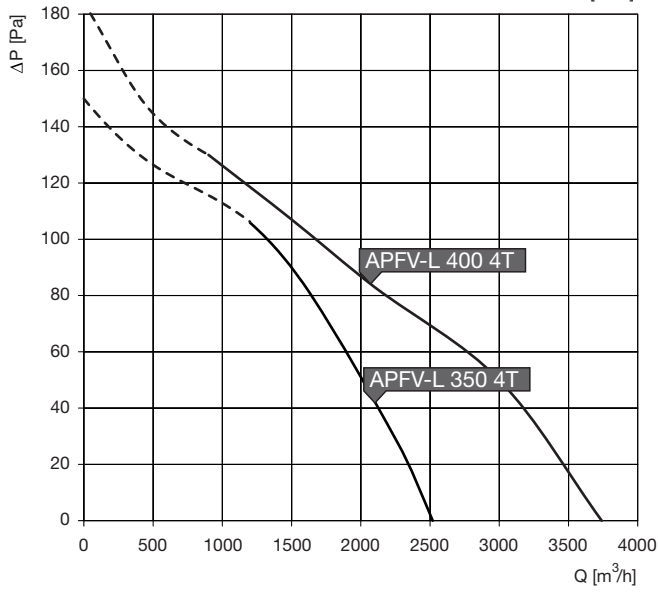
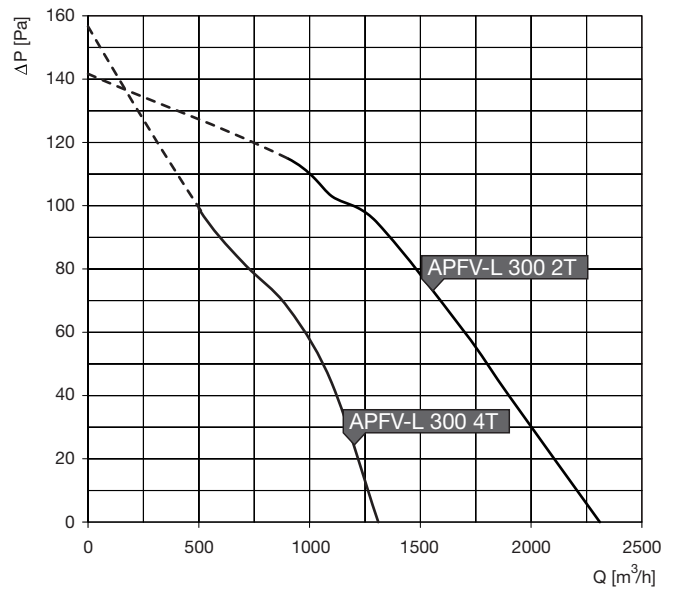
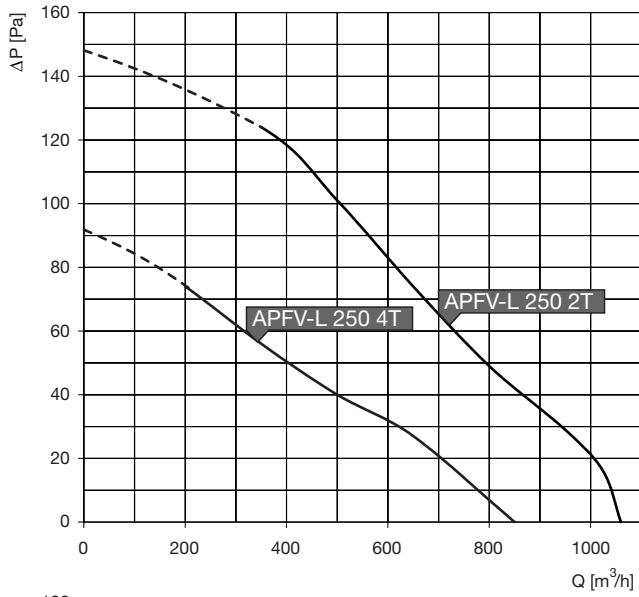
- **APFV-L** = Fan
- **300** = Flange diameter
- **4** = 4 poles
- **M** = one phase
- **TSC-1-15** = speed controller

| Air performance data | | | | | | | |
|----------------------|-----------------------|-------|-------|--------|--------|--------|--------|
| | Q [m ³ /h] | | | | | | |
| | 0 Pa | 40 Pa | 80 Pa | 120 Pa | 160 Pa | 200 Pa | 240 Pa |
| APFV-L 200 2M | 860 | 680 | 400 | 50 | - | - | - |
| APFV-L 250 2M | 1050 | 810 | 590 | 350 | - | - | - |
| APFV-L 250 2T | 1060 | 870 | 620 | 390 | - | - | - |
| APFV-L 250 4M | 800 | 450 | 100 | - | - | - | - |
| APFV-L 250 4T | 850 | 500 | 150 | - | - | - | - |
| APFV-L 300 2M | 2230 | 1850 | 1400 | 400 | - | - | - |
| APFV-L 300 2T | 2310 | 1850 | 1500 | 750 | - | - | - |
| APFV-L 300 4M | 1340 | 1100 | 625 | 250 | - | - | - |
| APFV-L 300 4T | 1310 | 1125 | 700 | 300 | - | - | - |
| APFV-L 350 4M | 2500 | 2050 | 1450 | 750 | - | - | - |
| APFV-L 350 4T | 2520 | 2200 | 1700 | 750 | - | - | - |
| APFV-L 400 4M | 3580 | 2900 | 1600 | 700 | 100 | - | - |
| APFV-L 400 4T | 3740 | 3200 | 2200 | 1200 | 350 | - | - |
| APFV-L 450 4M | 4680 | 4200 | 3400 | 1500 | - | - | - |
| APFV-L 450 4T | 5280 | 4550 | 2850 | 1450 | 250 | - | - |
| APFV-L 500 4M | 7060 | 5900 | 4600 | 2600 | - | - | - |
| APFV-L 550 4M | 8800 | 7400 | 5900 | 4000 | 1000 | 500 | - |
| APFV-L 550 4T | 9700 | 8700 | 7600 | 6600 | 5100 | - | - |
| APFV-L 630 4M | 11900 | 10000 | 8500 | 7500 | 6000 | 3850 | 1200 |
| APFV-L 630 4T | 12200 | 11300 | 10100 | 8600 | 6500 | - | - |
| APFV-L 630 6M | 10900 | 9100 | - | - | - | - | - |

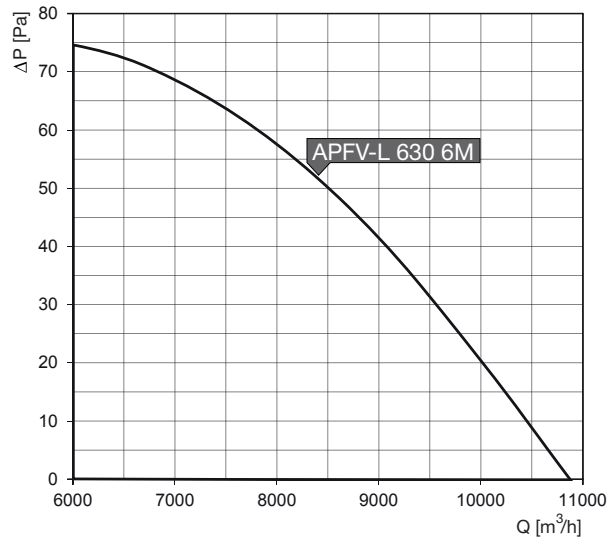
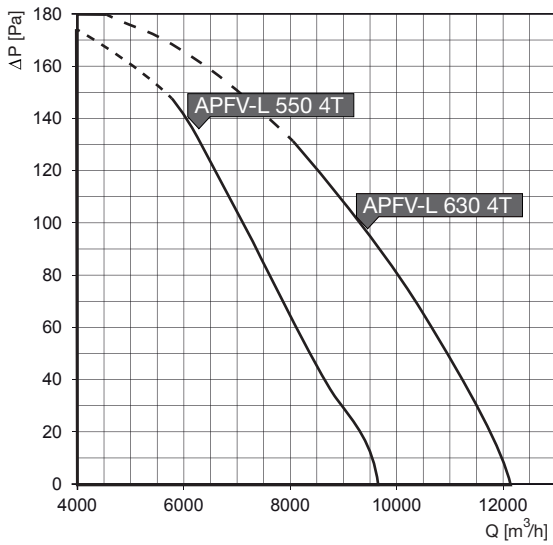
Selection curves



Selection curves

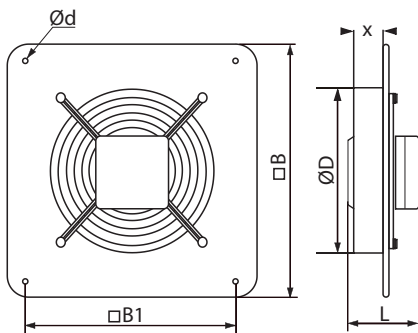


Selection curves



| Technical data | | | | | | | | | |
|----------------|---------|-------|-------|-----------------|--------------------|---------------------|---------|---------|-----------------------------|
| | U [V] | P [W] | I [A] | SC _T | SC _E ** | T _m [°C] | To [°C] | n [rpm] | L _{pa} @ 3 m [dBA] |
| APFV-L 200 2M | 1 x 230 | 55 | 0.26 | TSC-1-15 | ESC-15 | 60 | -30 | 2300 | 48 |
| APFV-L 250 2M | 1 x 230 | 80 | 0.4 | TSC-1-15 | ESC-15 | 60 | -30 | 2400 | 50 |
| APFV-L 250 2T | 3 x 400 | 80 | 0.22 | TSCTK-4-20 | - | 60 | -30 | 2600 | 51 |
| APFV-L 250 4M | 1 x 230 | 50 | 0.22 | TSC-1-15 | ESC-15 | 60 | -30 | 1380 | 38 |
| APFV-L 250 4T | 3 x 400 | 60 | 0.17 | TSCTK-4-20 | - | 60 | -30 | 1400 | 38 |
| APFV-L 300 2M | 1 x 230 | 145 | 0.66 | TSC-1-15 | ESC-15 | 60 | -30 | 2300 | 53 |
| APFV-L 300 2T | 3 x 400 | 145 | 0.25 | TSCTK-4-20 | - | 60 | -30 | 2350 | 52 |
| APFV-L 300 4M | 1 x 230 | 75 | 0.35 | TSC-1-15 | ESC-15 | 60 | -30 | 1350 | 44 |
| APFV-L 300 4T | 3 x 400 | 75 | 0.22 | TSCTK-4-20 | - | 60 | -30 | 1380 | 45 |
| APFV-L 350 4M | 1 x 230 | 140 | 0.65 | TSC-1-15 | ESC-15 | 60 | -30 | 1380 | 46 |
| APFV-L 350 4T | 3 x 400 | 140 | 0.38 | TSCTK-4-20 | - | 60 | -30 | 1380 | 46 |
| APFV-L 400 4M | 1 x 230 | 180 | 0.82 | TSC-1-15 | ESC-15 | 60 | -30 | 1380 | 53 |
| APFV-L 400 4T | 3 x 400 | 180 | 0.47 | TSCTK-4-20 | - | 60 | -30 | 1380 | 54 |
| APFV-L 450 4M | 1 x 230 | 250 | 1.2 | TSC-1-15 | ESC-15 | 60 | -30 | 1350 | 56 |
| APFV-L 450 4T | 3 x 400 | 250 | 0.6 | TSCTK-4-20 | - | 60 | -30 | 1360 | 56 |
| APFV-L 500 4M | 1 x 230 | 420 | 1.95 | TSC-1-22 | ESC-30 | 60 | -30 | 1300 | 58 |
| APFV-L 550 4M | 1 x 230 | 550 | 2.55 | TSC-1-40 | ESC-40 | 60 | -30 | 1300 | 62 |
| APFV-L 550 4T | 3 x 400 | 750 | 1.5 | TSCTK-4-20 | - | 60 | -30 | 1350 | 64 |
| APFV-L 630 4M | 1 x 230 | 750 | 3.5 | TSC-1-50 | ESC-40 | 60 | -30 | 1360 | 67 |
| APFV-L 630 4T | 3 x 400 | 800 | 1.6 | TSCTK-4-20 | - | 60 | -30 | 1320 | 69 |
| APFV-L 630 6M | 1 x 230 | 540 | 2.4 | TSC-1-40 | ESC-30 | 60 | -30 | 850 | 59 |

- SC_T = Transformer speed controller
- SC_E = Electronic speed controller
 - **** Caution: an electronic controller can produce a magnetic noise**
- T_m = Maximum air temperature
- To = Minimum operating temperature
- L_{pa} @ 3m = Sound pressure at 3 m



| | Dimensions | | | | | | |
|---------------|------------|---------|--------|---------|--------|--------|-------|
| | ØD [mm] | Ød [mm] | B [mm] | B1 [mm] | L [mm] | X [mm] | [kg] |
| APFV-L 200 2M | 210 | 7 | 312 | 260 | 145 | 55 | 3 |
| APFV-L 250 2M | 260 | 7 | 370 | 320 | 155 | 60 | 4 |
| APFV-L 250 2T | 260 | 7 | 370 | 320 | 155 | 60 | 4 |
| APFV-L 250 4M | 260 | 7 | 370 | 320 | 155 | 60 | 3.50 |
| APFV-L 250 4T | 260 | 7 | 370 | 320 | 155 | 60 | 3.50 |
| APFV-L 300 2M | 326 | 9 | 430 | 380 | 195 | 60 | 6.10 |
| APFV-L 300 2T | 326 | 9 | 430 | 380 | 155 | 60 | 5.40 |
| APFV-L 300 4M | 326 | 9 | 430 | 380 | 195 | 60 | 5 |
| APFV-L 300 4T | 326 | 9 | 430 | 380 | 155 | 60 | 5.40 |
| APFV-L 350 4M | 388 | 9 | 485 | 435 | 200 | 90 | 7.80 |
| APFV-L 350 4T | 388 | 9 | 485 | 435 | 200 | 90 | 7.80 |
| APFV-L 400 4M | 417 | 9 | 540 | 490 | 240 | 85 | 8.80 |
| APFV-L 400 4T | 417 | 9 | 540 | 490 | 240 | 85 | 8.80 |
| APFV-L 450 4M | 465 | 11 | 576 | 535 | 250 | 95 | 10.50 |
| APFV-L 450 4T | 465 | 11 | 576 | 535 | 250 | 95 | 10.50 |
| APFV-L 500 4M | 520 | 11 | 655 | 615 | 260 | 115 | 14 |
| APFV-L 550 4M | 570 | 11 | 725 | 675 | 280 | 125 | 16.50 |
| APFV-L 550 4T | 580 | 11 | 725 | 675 | 260 | 125 | 16.50 |
| APFV-L 630 4M | 650 | 11 | 800 | 710 | 295 | 140 | 20 |
| APFV-L 630 4T | 650 | 11 | 800 | 710 | 295 | 140 | 22.6 |
| APFV-L 630 6M | 650 | 11 | 800 | 710 | 295 | 140 | 20 |