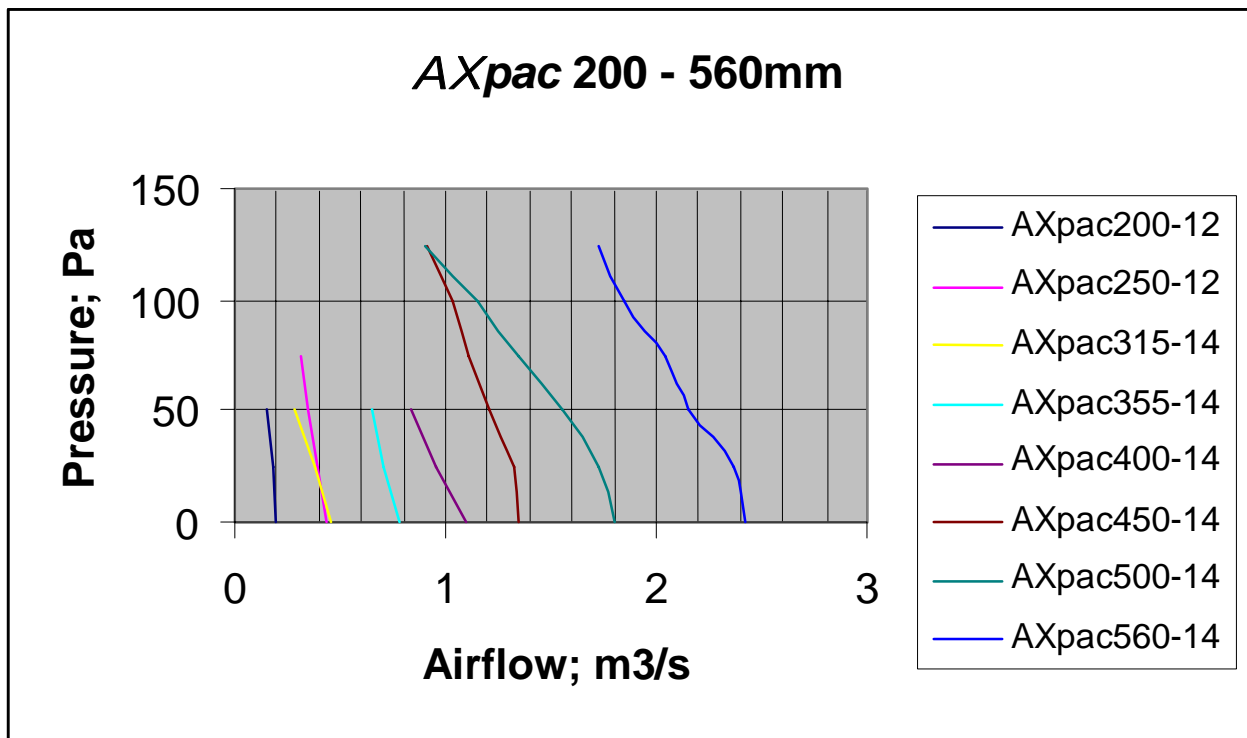




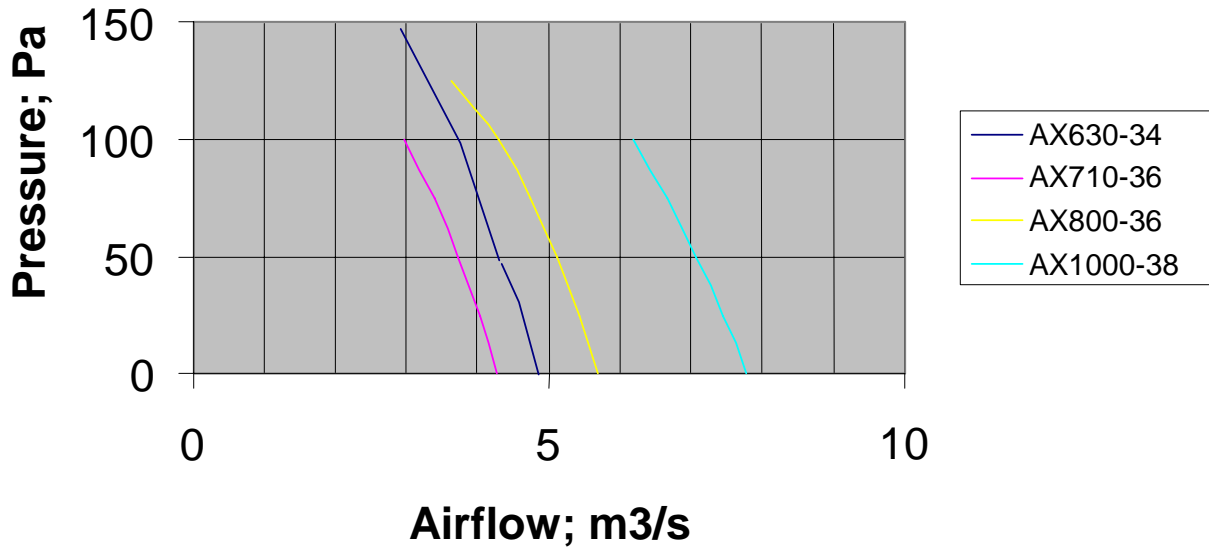
- ✓ Manufactured from 100% recyclable UV stable thermoplastic materials
- ✓ Suitable for extract or supply air use, with or without axial fan fitted
- ✓ Airflow performance tested to ISO 5801 (By BSRIA)
- ✓ Ultra low profile, totally weatherproof
- ✓ Standard colour: Goosewing Grey (BS00 A05)
- ✓ All stainless steel fittings and fixings
- ✓ Supplied fully assembled

AXpac² axial flow roof fan range

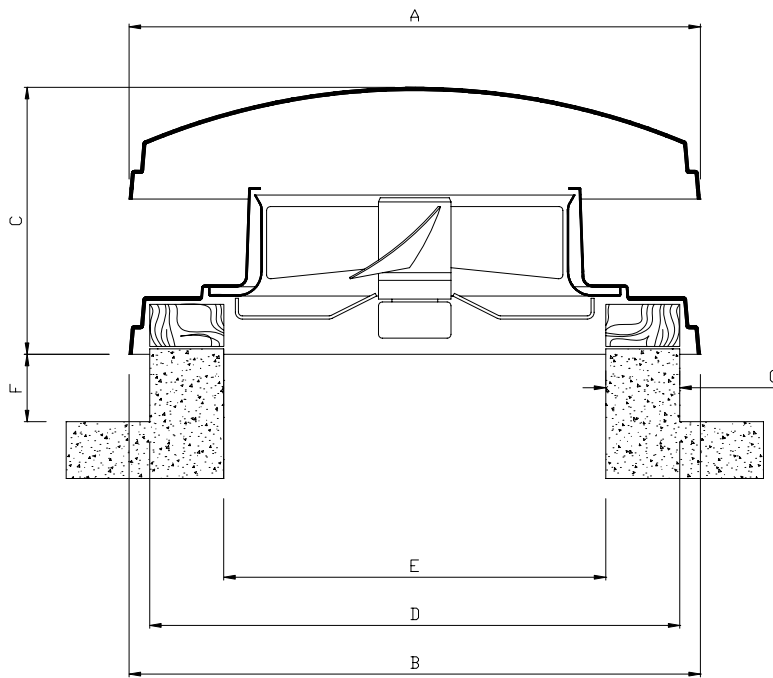
| Part Number | rpm | m ³ /s | | | | | | Watts W | S.C A | F.L.C A | max amb | dBA @ 3m |
|--------------|------|-------------------|-------|-------|-------|-------|-------|------------|----------|------------|------------|-------------|
| | | 0 | 25 | 50 | 75 | 100 | 125 | | | | | |
| AXpac200-12 | 2600 | 0.198 | 0.178 | 0.155 | | | | 71 | 1.28 | 0.32 | 70°C | 55 |
| AXpac250-12 | 2500 | 0.431 | 0.394 | 0.352 | 0.323 | | | 140 | 2.4 | 0.6 | 60°C | 60 |
| AXpac315-14 | 1400 | 0.452 | 0.373 | 0.271 | | | | 120 | 2.3 | 0.57 | 70°C | 49 |
| AXpac355-14 | 1400 | 0.774 | 0.711 | 0.653 | | | | 180 | 3.1 | 0.78 | 60°C | 54 |
| AXpac400-14 | 1320 | 1.104 | 0.952 | 0.831 | | | | 300 | 5.4 | 1.4 | 60°C | 61 |
| AXpac450-14 | 1310 | 1.352 | 1.319 | 1.206 | 1.112 | 1.03 | 0.912 | 470 | 8.8 | 2.2 | 70°C | 57 |
| AXpac500-14 | 1210 | 1.804 | 1.72 | 1.552 | 1.354 | 1.157 | 0.903 | 770 | 4.3 | 2.3 | 70°C | 68 |
| AXpac560-14 | 1300 | 2.421 | 2.36 | 2.152 | 2.039 | 1.854 | 1.723 | 1600 | 15 | 7.5 | 60°C | 68 |
| AXpac630-34 | 1360 | 4.622 | 4.41 | 4.23 | 4.04 | 3.87 | 3.65 | 1900 | 14 | 3.2 | 60°C | 70 |
| AXpac710-36 | 890 | 4.286 | 4.04 | 3.74 | 3.394 | 2.976 | | 890 | 6.4 | 1.8 | 70°C | 62 |
| AXpac800-36 | 900 | 5.696 | 5.429 | 5.118 | 4.753 | 4.317 | 3.649 | 1400 | 9.8 | 2.7 | 60°C | 62 |
| AXpac1000-38 | 670 | 7.776 | 7.452 | 7.063 | 6.664 | 6.172 | | 2200 | 13 | 4.2 | 70°C | 66 |



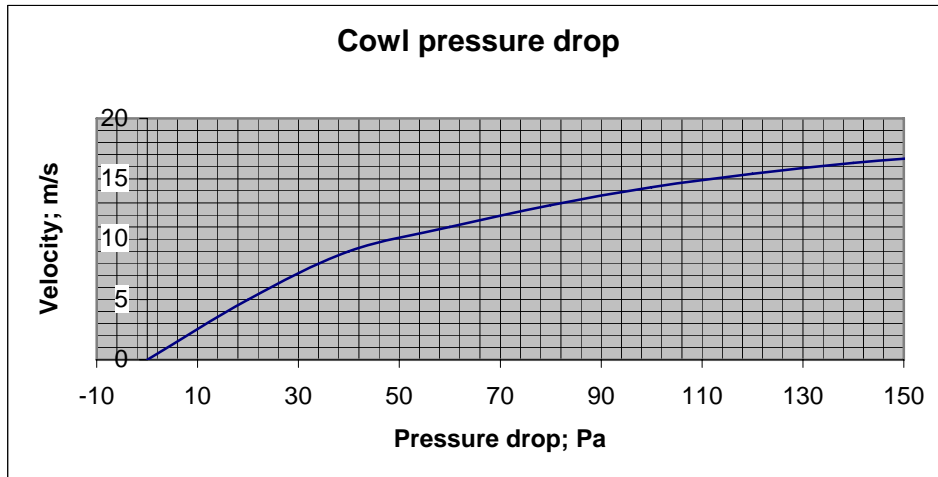
AXpac 630 - 1000mm



AXpac² axial flow roof cowl range dimensions



| Unit Size | A | B | C | D | E | F | G (nom) |
|-----------|------|------|-----|------|------|-----|---------|
| 200 | 490 | 490 | 295 | 450 | 300 | 100 | 75 |
| 250 | 575 | 575 | 315 | 530 | 380 | 100 | 75 |
| 315-355 | 737 | 737 | 368 | 650 | 450 | 100 | 100 |
| 400-450 | 830 | 830 | 410 | 750 | 550 | 100 | 100 |
| 500-560 | 1000 | 1000 | 466 | 850 | 650 | 100 | 100 |
| 630-710 | 1100 | 1100 | 608 | 990 | 790 | 100 | 100 |
| 800-1000 | 1403 | 1403 | 705 | 1300 | 1100 | 100 | 100 |



| Cowl size (mm) | Part No. | Free area (m ²) | Weight (kg) |
|----------------|------------------|-----------------------------|-------------|
| 200 | AX-200-INT (SUP) | 0.038 | 6 |
| 250 | AX-250-INT (SUP) | 0.095 | 8 |
| 315 - 355 | AX-315-INT (SUP) | 0.113 | 10 |
| 400 - 450 | AX-400-INT (SUP) | 0.181 | 12 |
| 500 - 560 | AX-500-INT (SUP) | 0.283 | 15 |
| 630 - 710 | AX-630-INT (SUP) | 0.442 | 18 |
| 800 - 1000 | AX-800-INT (SUP) | 0.817 | 25 |

Formula for working out pressure drop:

1. Take known fan duty and divide by free area for a particular cowl size from the above table.
 - Example: 2.5m³/s divided by 0.442 (630 size) = 5.66m/s velocity
2. Look up the velocity on the graph above and read across to the curve then down to the resistance in Pascals
 - Example: 5.66m/s gives a pressure drop of approx. **20Pa**