

| Typ | DucoGrille NightVent - Manuell | | | | | | | | | | | |
|-------------------------------|---|--|-----------|--------------|----|-------|-----------------|-------|----|-------|-----------------|-------|
| BESCHREIBUNG | Lüftungsfensterladen | | | | | | | | | | | |
| LAMELLENFORM | 30Z mit Stanzung (P1) Höhe 21mm x Breite 2,5mm | | | | | | | | | | | |
| LAMELLENSCHRITT | 37,5 mm | | | | | | | | | | | |
| RAHMENBREITE | 63 mm | | | | | | | | | | | |
| FLANSCHBREITE | 24/28/32/36/40/44/48 mm | | | | | | | | | | | |
| RAHMENTIEFE | 88 mm (thermisch unterbrochen) / 115 mm | | | | | | | | | | | |
| MIN. ABMESSUNGEN | Breite 350 mm, Höhe 350 mm. Je nach Kombination, siehe Maßtabelle. | | | | | | | | | | | |
| ORIENTIERUNG | aufgehend öffnet sich nach links oder rechts wenn die Breite $\geq 400\text{mm}$ & $< 600\text{mm}$ | | | | | | | | | | | |
| SCHLAG | sehen Sie Tabelle | | | | | | | | | | | |
| GEWICHT | maximal: 80 Kg maximal: 95Kg wenn einbruchhemmend | | | | | | | | | | | |
| OPTION | EINBRUCHHEMMEND WK2 | | | | | | | | | | | |
| SCHUTZ | - Optional mit Insektenschutzgitter 2,3 x 2,3 mm Aluminiumextrusionen sind perforiert und dienen als Insektenschutz | | | | | | | | | | | |
| MATERIAL | innen und außen Aluminium : EN AW-6063 T66 (EN 573-3) Thermounterbrechung: Kunststoff Isolation PIR | | | | | | | | | | | |
| OBERFLÄCHENBEHANDLUNG | Innen und außen Panel - Polyester Pulverlackierung (60-80 μm) Qualicoat Seaside Typ A - spezifische Farbreferenzen und/oder Strukturack auf Anfrage Hebel E6/EV1 | | | | | | | | | | | |
| OPTISCHER FREIER QUERSCHNITT | 60 % pro Meter Stanzung | | | | | | | | | | | |
| PHYSISCHER FREIER QUERSCHNITT | 34% (benutzen Sie für die Berechnung den K Faktor!) | | | | | | | | | | | |
| DURCHLASS | 369 L/s*m ² @ 2Pa | | | | | | | | | | | |
| LUFTDICHTE | KLASSE 3 - bis zu 600Pa EN 12207 Qn 50 Überdruck = 4,5 m ³ /h/m ² Qn 50 Unterdruck = 2,5 m ³ /h/m ² Qn 100 Überdruck = 5,0 m ³ /h/m ² Qn 100 Unterdruck = 3,5 m ³ /h/m ² | | | | | | | | | | | |
| WIDERSTAND vs WINDBELASTUNG | Klasse 2a EN 12210, EN 12211 | | | | | | | | | | | |
| WASSERDICHTHEIT | Klasse 9a EN12208, EN 1027 | | | | | | | | | | | |
| THERMOWERT | 1,5 W/m ² K | | | | | | | | | | | |
| POSITIONEN | offen/schließen | | | | | | | | | | | |
| STEUERUNG | Manuell | | | | | | | | | | | |
| GEBRAUCHSBEDINGUNGEN | -25° bis +60°C | | | | | | | | | | | |
| LUFTVOLUMEN | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #f2f2f2;">(EN13030)</th> <th style="background-color: #f2f2f2;">Im Regelfall</th> </tr> </thead> <tbody> <tr> <td style="background-color: #f2f2f2;">Ce</td> <td>0,202</td> </tr> <tr> <td style="background-color: #f2f2f2;">K-Faktor Zuluft</td> <td>24,51</td> </tr> <tr> <td style="background-color: #f2f2f2;">Cd</td> <td>0,202</td> </tr> <tr> <td style="background-color: #f2f2f2;">K-Faktor Abluft</td> <td>24,51</td> </tr> </tbody> </table> | | (EN13030) | Im Regelfall | Ce | 0,202 | K-Faktor Zuluft | 24,51 | Cd | 0,202 | K-Faktor Abluft | 24,51 |
| (EN13030) | Im Regelfall | | | | | | | | | | | |
| Ce | 0,202 | | | | | | | | | | | |
| K-Faktor Zuluft | 24,51 | | | | | | | | | | | |
| Cd | 0,202 | | | | | | | | | | | |
| K-Faktor Abluft | 24,51 | | | | | | | | | | | |

WASSERABWEISUNG

| (EN13030) | Im Regelfall |
|-------------|--------------|
| v = 0 m/s | A |
| v = 0,5 m/s | B |
| v = 1 m/s | C |
| v = 1.5 m/s | D |
| v = 2 m/s | D |
| v = 2.5 m/s | D |
| v = 3 m/s | D |
| v = 3,5 m/s | D |

SCHALLSCHUTZEIGENSCHAFTEN

| geöffnet | | | | | |
|---------------------------------------|---------|---------|---------|---------|---------|
| Rw(C;C _{tr}) = 33(-1;-4) dB | | | | | |
| 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 21,5 dB | 21,3 dB | 28,2 dB | 37,1 dB | 45,2 dB | 53,7 dB |

| Geschlossen | | | | | |
|--------------------------------------|--------|--------|---------|---------|---------|
| Rw(C;C _{tr}) = 10(0;-1) dB | | | | | |
| 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 7,3 dB | 6,5 dB | 9,2 dB | 8,9 dB | 11,5 dB | 12,4 dB |

KÜHLKAPAZITÄT (1x1m)

| Typ | Luftmenge (l/s) | Kapazität (kW) |
|---------------------------------------|-----------------|----------------|
| Einseitige natürliche Lüftung (ΔT=6K) | 30,3 | 0,22 |
| Natürliche Querlüftung (v=3m/s) | 185,5 | 1,34 |
| Natürliche Atriumlüftung (Δh=6m) | 222,5 | 1,61 |

| Hinge side left/right | | |
|-----------------------|---------|---------|
| HEIGHT | WIDTH | |
| | 400-499 | 500-599 |
| 350 - 399 | 59 | 34 |
| 400 - 499 | 59 | 34 |
| 500 - 599 | 59 | 34 |
| 600 - 699 | 59 | 34 |
| 700 - 799 | 59 | 34 |
| 800 - 899 | 59 | 34 |
| 900 - 999 | 59 | 34 |
| 1000 - 1099 | 59 | 34 |
| 1100 - 1199 | 59 | 34 |
| 1200 - 1299 | 59 | 34 |
| 1300 - 1399 | 59 | 34 |
| 1400 - 1499 | 59 | 34 |
| 1500 - 1599 | 59 | 34 |
| 1600 - 1699 | 59 | 34 |
| 1700 - 1799 | 59 | 34 |
| 1800 - 1899 | 59 | 34 |
| 1900 - 1999 | 59 | 34 |
| 2000 - 2099 | 59 | 34 |
| 2100 - 2199 | 59 | 34 |
| 2200 - 2299 | 59 | 34 |
| 2300 - 2399 | 59 | 34 |
| 2400 - 2500 | 59 | 34 |

| Hinge side under | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|
| HEIGHT | WIDTH | | | | | | | | | | | | | | | | | | | | | | | | |
| | 350-399 | 400-499 | 500-599 | 600-699 | 700-799 | 800-899 | 900-999 | 1000-1099 | 1100-1199 | 1200-1299 | 1300-1399 | 1400-1499 | 1500-1599 | 1600-1699 | 1700-1799 | 1800-1899 | 1900-1999 | 2000-2099 | 2100-2199 | 2200-2299 | 2300-2399 | 2400-2500 | | | |
| 400 - 499 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 500 - 599 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 600 - 699 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 700 - 799 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 800 - 899 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 900 - 999 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1000 - 1099 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1100 - 1199 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 1200 - 1299 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 1300 - 1399 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 1400 - 1499 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1500 - 1599 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1600 - 1699 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1700 - 1799 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 1800 - 1899 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1900 - 1999 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 2000 - 2099 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 2100 - 2199 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 2200 - 2299 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 2300 - 2399 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2400 - 2500 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

Number in cells represent the opening angle

- Orange: Handle at 1/2 of HEIGHT
- Blue: Handles at 1/4 and 3/4 of HEIGHT
- Grey: not possible
- Yellow: Handle at 1/2 of WIDTH
- Light Yellow: Handles at 1/4 and 3/4 of WIDTH if HEIGHT < WIDTH or handles at 2/3 height left and right if HEIGHT > WIDTH
- Light Orange: Handles at 1/4 and 3/4 of WIDTH
- Light Red: Handles at 2/3 height left and right

