Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)





**Roof Louvre Blade – Residential (RLB-R) louvre smoke vent and air supply units are used in natural and mechanical smoke and heat exhaust ventilation systems.**

## Specific Features

- Certified to BS EN12101-2
- Available in a wide range of sizes and options from 966 x 500mm to 3826 x 2400mm
- Available with solid insulated aluminium blades or polycarbonate multiwall blades
- Opening to 90° within 60 seconds
- Consume minimal energy during operation
- High resistance to weather and wind load
- When open they are not a fall hazard
- 1A 24V DC actuator (larger sizes have tandem actuators)

## Product Description

Roof Louvre Blade – Residential (RLB-R) louvre smoke vent and air supply units are used in natural smoke and heat exhaust ventilation systems. Mounted on roofs, louvre smoke vents exhaust smoke and heat from a building, allowing low level escape routes to be kept clear of smoke. RLB-R are fully certified to BS EN 12101-2. They are particularly suited to residential and institutional buildings and may also provide natural comfort ventilation.

They are available in a wide range of sizes and types of upstands. They may be installed at any angle from 0 to 75°, but are generally installed horizontally and supplied with aerodynamic wind shields as standard. They consume minimal energy during the opening and closing cycle and have high resistance to weather and are therefore suited for use on exposed and high wind areas. They provide good security and do not create a fall hazard when open.

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

## Technical Data

| | |
|---|---|
| Water tightness to EN 1873 | Pass |
| Voltage | 24V DC |
| Current (with load) | 1A or 2A (depending on size) |
| Opening Angle | 90° |
| Ambient Operating Temperature | -25°C – +70°C |
| Speed | 3.4mm/sec |
| Protection Degree | IP40 |
| Force | 900N |
| Air Permeability to EN 1873 | Class 8 |

## Thermal Transmission

See U-Value Performance data sheet **here**.

**Notes:**

Uninsulated base units are not compatible with projects needing to meet Approved Document L2 Table 4.1.

Insulated base units conform to Approved Document L2 Table 4.1, providing a U-Value <3.0W/(m²·K).

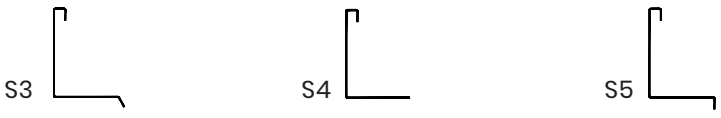
## Certification

| | | |
|---|---|---|
| Snow Load | EN 12101-2 | 250–1000N |
| Wind Load | EN 12101-2 | 1500N |
| Resistance to Heat | EN 12101-2 | B 300 |
| Low Ambient Temperature | EN 12101-2 | -25°C |
| Reliability | EN 12101-2 | 1000 |
| Environmental | EN 12101-2 | 10,000 |
| Water Tightness | EN 1873:2005 | Pass |

## Flanges

**S3** Flange for roofs and façades
**S4** Flange for roofs and façades
**S5** Flange for upstand, 90° bended (this option is the standard profile)

* Custom flange design and insulated flanges upon request



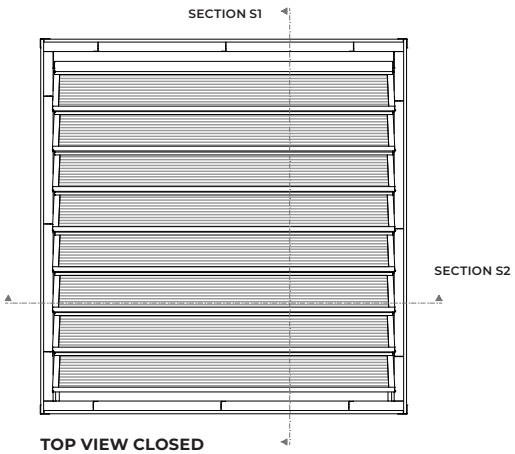

## Optional Extras

- Polyester powder coating to any standard RAL colour
- Bird and insect mesh – please note that this will reduce the active area
- Insulated upstand
- Glass blades are available – for this option please see separate Technical Data Sheet for RLB-RG

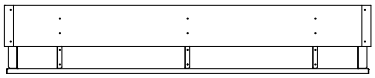
Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

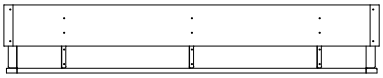
## Section Drawings



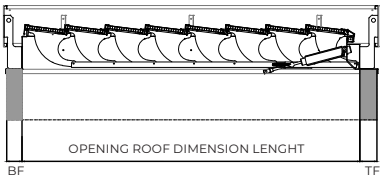

**TOP VIEW CLOSED**



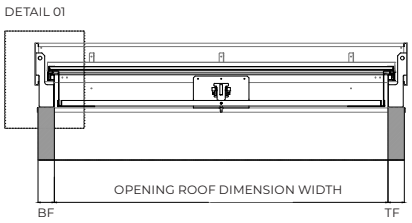
**FRONT VIEW CLOSED**



**SIDE VIEW CLOSED**

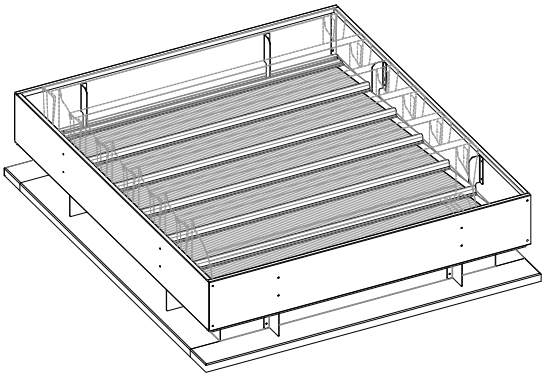



**SECTION S1**



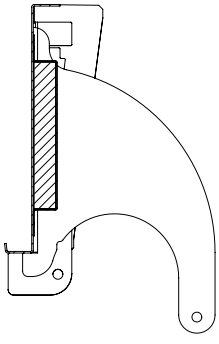

**SECTION S2**

## Perspective Drawing

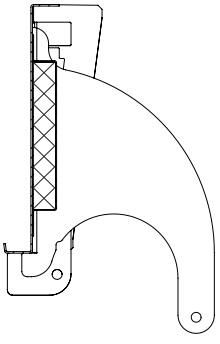


## Blade Types

**Aluminium Insulated:**

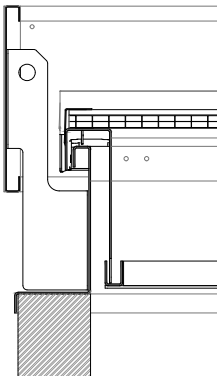


**Polycarbonate Multiwall:**

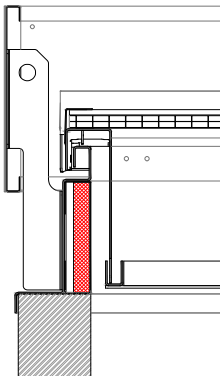


## Base Types

**Aluminium Uninsulated:**



**Aluminium Insulated:**



Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

## Standard Size Chart

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.96.50 | 966 x 500 | 4 | 0.48 | 0.29 | 0.35 | 18 |
| RLB-R.96.60 | 966 x 600 | 4 | 0.58 | 0.35 | 0.42 | 20 |
| RLB-R.96.70 | 966 x 700 | 4 | 0.68 | 0.43 | 0.49 | 22 |
| RLB-R.96.80 | 966 x 800 | 4 | 0.77 | 0.49 | 0.57 | 24 |
| RLB-R.96.90 | 966 x 900 | 4 | 0.87 | 0.55 | 0.64 | 26 |
| RLB-R.96.100 | 966 x 1000 | 4 | 0.97 | 0.61 | 0.72 | 29 |
| RLB-R.96.110 | 966 x 1100 | 4 | 1.06 | 0.67 | 0.79 | 31 |
| RLB-R.96.120 | 966 x 1200 | 4 | 1.16 | 0.74 | 0.86 | 33 |
| RLB-R.96.130 | 966 x 1300 | 4 | 1.26 | 0.80 | 0.94 | 35 |
| RLB-R.96.140 | 966 x 1400 | 4 | 1.35 | 0.87 | 1.01 | 37 |
| RLB-R.96.150 | 966 x 1500 | 4 | 1.45 | 0.93 | 1.09 | 40 |
| RLB-R.96.160 | 966 x 1600 | 4 | 1.55 | 0.99 | 1.16 | 42 |
| RLB-R.96.170 | 966 x 1700 | 4 | 1.64 | 1.05 | 1.23 | 45 |
| RLB-R.96.180 | 966 x 1800 | 4 | 1.74 | 1.11 | 1.31 | 47 |
| RLB-R.96.190 | 966 x 1900 | 4 | 1.84 | 1.17 | 1.38 | 49 |
| RLB-R.96.200 | 966 x 2000 | 4 | 1.93 | 1.24 | 1.46 | 51 |
| RLB-R.96.210 | 966 x 2100 | 4 | 2.03 | 1.30 | 1.53 | 53 |
| RLB-R.96.220 | 966 x 2200 | 4 | 2.13 | 1.36 | 1.60 | 54 |
| RLB-R.96.230 | 966 x 2300 | 4 | 2.22 | 1.42 | 1.68 | 57 |
| RLB-R.96.240 | 966 x 2400 | 4 | 2.32 | 1.48 | 1.75 | 62 |
| RLB-R.118.50 | 1186 x 500 | 5 | 0.59 | 0.37 | 0.43 | 20 |
| RLB-R.118.60 | 1186 x 600 | 5 | 0.71 | 0.44 | 0.53 | 22 |
| RLB-R.118.70 | 1186 x 700 | 5 | 0.83 | 0.52 | 0.62 | 24 |
| RLB-R.118.80 | 1186 x 800 | 5 | 0.95 | 0.60 | 0.71 | 26 |
| RLB-R.118.90 | 1186 x 900 | 5 | 1.07 | 0.67 | 0.81 | 28 |
| RLB-R.118.100 | 1186 x 1000 | 5 | 1.19 | 0.76 | 0.90 | 31 |
| RLB-R.118.110 | 1186 x 1100 | 5 | 1.30 | 0.83 | 0.99 | 34 |
| RLB-R.118.120 | 1186 x 1200 | 5 | 1.42 | 0.91 | 1.08 | 36 |
| RLB-R.118.130 | 1186 x 1300 | 5 | 1.54 | 0.99 | 1.18 | 38 |
| RLB-R.118.140 | 1186 x 1400 | 5 | 1.66 | 1.06 | 1.27 | 40 |
| RLB-R.118.150 | 1186 x 1500 | 5 | 1.78 | 1.14 | 1.36 | 43 |
| RLB-R.118.160 | 1186 x 1600 | 5 | 1.90 | 1.21 | 1.46 | 45 |
| RLB-R.118.170 | 1186 x 1700 | 5 | 2.02 | 1.29 | 1.55 | 48 |
| RLB-R.118.180 | 1186 x 1800 | 5 | 2.13 | 1.39 | 1.64 | 50 |
| RLB-R.118.190 | 1186 x 1900 | 5 | 2.25 | 1.46 | 1.74 | 53 |
| RLB-R.118.200 | 1186 x 2000 | 5 | 2.37 | 1.54 | 1.83 | 55 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.118.210 | 1186 x 2100 | 5 | 2.49 | 1.62 | 1.92 | 57 |
| RLB-R.118.220 | 1186 x 2200 | 5 | 2.61 | 1.70 | 2.02 | 58 |
| RLB-R.118.230 | 1186 x 2300 | 5 | 2.73 | 1.77 | 2.11 | 61 |
| RLB-R.118.240 | 1186 x 2400 | 5 | 2.85 | 1.85 | 2.20 | 66 |
| RLB-R.140.50 | 1406 x 500 | 6 | 0.70 | 0.44 | 0.52 | 23 |
| RLB-R.140.60 | 1406 x 600 | 6 | 0.84 | 0.52 | 0.63 | 25 |
| RLB-R.140.70 | 1406 x 700 | 6 | 0.98 | 0.62 | 0.74 | 27 |
| RLB-R.140.80 | 1406 x 800 | 6 | 1.12 | 0.71 | 0.86 | 29 |
| RLB-R.140.90 | 1406 x 900 | 6 | 1.27 | 0.80 | 0.97 | 31 |
| RLB-R.140.100 | 1406 x 1000 | 6 | 1.41 | 0.90 | 1.08 | 34 |
| RLB-R.140.110 | 1406 x 1100 | 6 | 1.55 | 0.99 | 1.19 | 37 |
| RLB-R.140.120 | 1406 x 1200 | 6 | 1.69 | 1.08 | 1.31 | 39 |
| RLB-R.140.130 | 1406 x 1300 | 6 | 1.83 | 1.17 | 1.42 | 42 |
| RLB-R.140.140 | 1406 x 1400 | 6 | 1.97 | 1.26 | 1.53 | 44 |
| RLB-R.140.150 | 1406 x 1500 | 6 | 2.11 | 1.37 | 1.64 | 47 |
| RLB-R.140.160 | 1406 x 1600 | 6 | 2.25 | 1.46 | 1.76 | 49 |
| RLB-R.140.170 | 1406 x 1700 | 6 | 2.39 | 1.55 | 1.87 | 52 |
| RLB-R.140.180 | 1406 x 1800 | 6 | 2.53 | 1.65 | 1.98 | 54 |
| RLB-R.140.190 | 1406 x 1900 | 6 | 2.67 | 1.74 | 2.09 | 57 |
| RLB-R.140.200 | 1406 x 2000 | 6 | 2.81 | 1.83 | 2.20 | 59 |
| RLB-R.140.210 | 1406 x 2100 | 6 | 2.95 | 1.92 | 2.32 | 61 |
| RLB-R.140.220 | 1406 x 2200 | 6 | 3.09 | 2.01 | 2.43 | 63 |
| RLB-R.140.230 | 1406 x 2300 | 6 | 3.23 | 2.10 | 2.54 | 66 |
| RLB-R.140.240 | 1406 x 2400 | 6 | 3.37 | 2.19 | 2.65 | 71 |
| RLB-R.162.50 | 1626 x 500 | 7 | 0.81 | 0.50 | 0.61 | 25 |
| RLB-R.162.60 | 1626 x 600 | 7 | 0.98 | 0.60 | 0.74 | 27 |
| RLB-R.162.70 | 1626 x 700 | 7 | 1.14 | 0.73 | 0.87 | 29 |
| RLB-R.162.80 | 1626 x 800 | 7 | 1.30 | 0.83 | 1.00 | 31 |
| RLB-R.162.90 | 1626 x 900 | 7 | 1.46 | 0.94 | 1.13 | 33 |
| RLB-R.162.100 | 1626 x 1000 | 7 | 1.63 | 1.04 | 1.26 | 37 |
| RLB-R.162.110 | 1626 x 1100 | 7 | 1.79 | 1.14 | 1.40 | 40 |
| RLB-R.162.120 | 1626 x 1200 | 7 | 1.95 | 1.27 | 1.53 | 42 |
| RLB-R.162.130 | 1626 x 1300 | 7 | 2.11 | 1.37 | 1.66 | 45 |
| RLB-R.162.140 | 1626 x 1400 | 7 | 2.28 | 1.48 | 1.79 | 47 |
| RLB-R.162.150 | 1626 x 1500 | 7 | 2.44 | 1.59 | 1.92 | 50 |
| RLB-R.162.160 | 1626 x 1600 | 7 | 2.60 | 1.69 | 2.05 | 52 |
| RLB-R.162.170 | 1626 x 1700 | 7 | 2.76 | 1.80 | 2.18 | 55 |
| RLB-R.162.180 | 1626 x 1800 | 7 | 2.93 | 1.90 | 2.32 | 58 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.162.190 | 1626 x 1900 | 7 | 3.09 | 2.01 | 2.45 | 60 |
| RLB-R.162.200 | 1626 x 2000 | 7 | 3.25 | 2.11 | 2.58 | 63 |
| RLB-R.162.210 | 1626 x 2100 | 7 | 3.41 | 2.22 | 2.71 | 66 |
| RLB-R.162.220 | 1626 x 2200 | 7 | 3.58 | 2.33 | 2.84 | 68 |
| RLB-R.162.230 | 1626 x 2300 | 7 | 3.74 | 2.43 | 2.97 | 70 |
| RLB-R.162.240 | 1626 x 2400 | 7 | 3.90 | 2.54 | 3.11 | 75 |
| RLB-R.184.50 | 1846 x 500 | 8 | 0.92 | 0.57 | 0.69 | 27 |
| RLB-R.184.60 | 1846 x 600 | 8 | 1.11 | 0.69 | 0.84 | 29 |
| RLB-R.184.70 | 1846 x 700 | 8 | 1.29 | 0.83 | 0.99 | 31 |
| RLB-R.184.80 | 1846 x 800 | 8 | 1.48 | 0.95 | 1.14 | 34 |
| RLB-R.184.90 | 1846 x 900 | 8 | 1.66 | 1.06 | 1.30 | 36 |
| RLB-R.184.100 | 1846 x 1000 | 8 | 1.85 | 1.18 | 1.45 | 40 |
| RLB-R.184.110 | 1846 x 1100 | 8 | 2.03 | 1.30 | 1.60 | 43 |
| RLB-R.184.120 | 1846 x 1200 | 8 | 2.22 | 1.44 | 1.75 | 45 |
| RLB-R.184.130 | 1846 x 1300 | 8 | 2.40 | 1.56 | 1.90 | 48 |
| RLB-R.184.140 | 1846 x 1400 | 8 | 2.58 | 1.68 | 2.05 | 50 |
| RLB-R.184.150 | 1846 x 1500 | 8 | 2.77 | 1.80 | 2.20 | 53 |
| RLB-R.184.160 | 1846 x 1600 | 8 | 2.95 | 1.92 | 2.35 | 56 |
| RLB-R.184.170 | 1846 x 1700 | 8 | 3.14 | 2.04 | 2.50 | 59 |
| RLB-R.184.180 | 1846 x 1800 | 8 | 3.32 | 2.16 | 2.65 | 62 |
| RLB-R.184.190 | 1846 x 1900 | 8 | 3.51 | 2.28 | 2.80 | 64 |
| RLB-R.184.200 | 1846 x 2000 | 8 | 3.69 | 2.40 | 2.95 | 67 |
| RLB-R.184.210 | 1846 x 2100 | 8 | 3.88 | 2.56 | 3.11 | 69 |
| RLB-R.184.220 | 1846 x 2200 | 8 | 4.06 | 2.68 | 3.26 | 70 |
| RLB-R.184.230 | 1846 x 2300 | 8 | 4.25 | 2.80 | 3.41 | 74 |
| RLB-R.184.240 | 1846 x 2400 | 8 | 4.43 | 2.92 | 3.56 | 80 |
| RLB-R.206.50 | 2066 x 500 | 9 | 1.03 | 0.65 | 0.78 | 30 |
| RLB-R.206.60 | 2066 x 600 | 9 | 1.24 | 0.78 | 0.95 | 32 |
| RLB-R.206.70 | 2066 x 700 | 9 | 1.45 | 0.93 | 1.12 | 34 |
| RLB-R.206.80 | 2066 x 800 | 9 | 1.65 | 1.06 | 1.29 | 37 |
| RLB-R.206.90 | 2066 x 900 | 9 | 1.86 | 1.19 | 1.49 | 39 |
| RLB-R.206.100 | 2066 x 1000 | 9 | 2.07 | 1.34 | 1.63 | 43 |
| RLB-R.206.110 | 2066 x 1100 | 9 | 2.27 | 1.48 | 1.80 | 46 |
| RLB-R.206.120 | 2066 x 1200 | 9 | 2.48 | 1.61 | 1.97 | 49 |
| RLB-R.206.130 | 2066 x 1300 | 9 | 2.69 | 1.75 | 2.14 | 51 |
| RLB-R.206.140 | 2066 x 1400 | 9 | 2.89 | 1.88 | 2.31 | 54 |
| RLB-R.206.150 | 2066 x 1500 | 9 | 3.10 | 2.01 | 2.48 | 57 |
| RLB-R.206.160 | 2066 x 1600 | 9 | 3.31 | 2.15 | 2.65 | 59 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.206.170 | 2066 x 1700 | 9 | 3.51 | 2.28 | 2.82 | 62 |
| RLB-R.206.180 | 2066 x 1800 | 9 | 3.72 | 2.45 | 2.99 | 65 |
| RLB-R.206.190 | 2066 x 1900 | 9 | 3.93 | 2.59 | 3.16 | 68 |
| RLB-R.206.200 | 2066 x 2000 | 9 | 4.13 | 2.73 | 3.33 | 71 |
| RLB-R.206.210 | 2066 x 2100 | 9 | 4.34 | 2.86 | 3.50 | 73 |
| RLB-R.206.220 | 2066 x 2200 | 9 | 4.55 | 3.00 | 3.67 | 75 |
| RLB-R.206.230 | 2066 x 2300 | 9 | 4.75 | 3.14 | 3.84 | 79 |
| RLB-R.206.240 | 2066 x 2400 | 9 | 4.96 | 3.27 | 4.01 | 84 |
| RLB-R.228.50 | 2286 x 500 | 10 | 1.14 | 0.72 | 0.87 | 32 |
| RLB-R.228.60 | 2286 x 600 | 10 | 1.37 | 0.86 | 1.06 | 34 |
| RLB-R.228.70 | 2286 x 700 | 10 | 1.60 | 1.02 | 1.24 | 36 |
| RLB-R.228.80 | 2286 x 800 | 10 | 1.83 | 1.17 | 1.43 | 39 |
| RLB-R.228.90 | 2286 x 900 | 10 | 2.06 | 1.32 | 1.62 | 41 |
| RLB-R.228.100 | 2286 x 1000 | 10 | 2.29 | 1.49 | 1.81 | 45 |
| RLB-R.228.110 | 2286 x 1100 | 10 | 2.51 | 1.63 | 2.00 | 49 |
| RLB-R.228.120 | 2286 x 1200 | 10 | 2.74 | 1.78 | 2.19 | 52 |
| RLB-R.228.130 | 2286 x 1300 | 10 | 2.97 | 1.93 | 2.38 | 54 |
| RLB-R.228.140 | 2286 x 1400 | 10 | 3.20 | 2.08 | 2.57 | 57 |
| RLB-R.228.150 | 2286 x 1500 | 10 | 3.43 | 2.23 | 2.76 | 60 |
| RLB-R.228.160 | 2286 x 1600 | 10 | 3.66 | 2.38 | 2.95 | 63 |
| RLB-R.228.170 | 2286 x 1700 | 10 | 3.89 | 2.53 | 3.14 | 66 |
| RLB-R.228.180 | 2286 x 1800 | 10 | 4.11 | 2.72 | 3.33 | 69 |
| RLB-R.228.190 | 2286 x 1900 | 10 | 4.34 | 2.87 | 3.51 | 72 |
| RLB-R.228.200 | 2286 x 2000 | 10 | 4.57 | 3.02 | 3.70 | 75 |
| RLB-R.228.210 | 2286 x 2100 | 10 | 4.80 | 3.17 | 3.89 | 77 |
| RLB-R.228.220 | 2286 x 2200 | 10 | 5.03 | 3.32 | 4.08 | 79 |
| RLB-R.228.230 | 2286 x 2300 | 10 | 5.26 | 3.47 | 4.27 | 83 |
| RLB-R.228.240 | 2286 x 2400 | 10 | 5.49 | 3.62 | 4.46 | 89 |
| RLB-R.250.50 | 2506 x 500 | 11 | 1.25 | 0.79 | 0.93 | 34 |
| RLB-R.250.60 | 2506 x 600 | 11 | 1.50 | 0.95 | 1.16 | 36 |
| RLB-R.250.70 | 2506 x 700 | 11 | 1.75 | 1.12 | 1.37 | 38 |
| RLB-R.250.80 | 2506 x 800 | 11 | 2.00 | 1.28 | 1.58 | 41 |
| RLB-R.250.90 | 2506 x 900 | 11 | 2.26 | 1.44 | 1.79 | 43 |
| RLB-R.250.100 | 2506 x 1000 | 11 | 2.51 | 1.63 | 1.99 | 48 |
| RLB-R.250.110 | 2506 x 1100 | 11 | 2.76 | 1.79 | 2.20 | 52 |
| RLB-R.250.120 | 2506 x 1200 | 11 | 3.01 | 1.95 | 2.41 | 55 |
| RLB-R.250.130 | 2506 x 1300 | 11 | 3.26 | 2.12 | 2.62 | 57 |
| RLB-R.250.140 | 2506 x 1400 | 11 | 3.51 | 2.28 | 2.83 | 60 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.250.150 | 2506 x 1500 | 11 | 3.76 | 2.48 | 3.04 | 63 |
| RLB-R.250.160 | 2506 x 1600 | 11 | 4.01 | 2.65 | 3.25 | 66 |
| RLB-R.250.170 | 2506 x 1700 | 11 | 4.26 | 2.81 | 3.45 | 69 |
| RLB-R.250.180 | 2506 x 1800 | 11 | 4.51 | 2.98 | 3.66 | 72 |
| RLB-R.250.190 | 2506 x 1900 | 11 | 4.76 | 3.14 | 3.87 | 76 |
| RLB-R.250.200 | 2506 x 2000 | 11 | 5.01 | 3.31 | 4.08 | 79 |
| RLB-R.250.210 | 2506 x 2100 | 11 | 5.26 | 3.47 | 4.29 | 81 |
| RLB-R.250.220 | 2506 x 2200 | 11 | 5.51 | 3.64 | 4.50 | 83 |
| RLB-R.250.230 | 2506 x 2300 | 11 | 5.76 | 3.80 | 4.70 | 87 |
| RLB-R.250.240 | 2506 x 2400 | 11 | 6.01 | 3.97 | 4.91 | 93 |
| RLB-R.272.50 | 2726 x 500 | 12 | 1.36 | 0.86 | 1.04 | 37 |
| RLB-R.272.60 | 2726 x 600 | 12 | 1.64 | 1.03 | 1.27 | 39 |
| RLB-R.272.70 | 2726 x 700 | 12 | 1.91 | 1.22 | 1.49 | 41 |
| RLB-R.272.80 | 2726 x 800 | 12 | 2.18 | 1.40 | 1.72 | 44 |
| RLB-R.272.90 | 2726 x 900 | 12 | 2.45 | 1.57 | 1.95 | 46 |
| RLB-R.272.100 | 2726 x 1000 | 12 | 2.73 | 1.77 | 2.18 | 51 |
| RLB-R.272.110 | 2726 x 1100 | 12 | 3.00 | 1.95 | 2.41 | 56 |
| RLB-R.272.120 | 2726 x 1200 | 12 | 3.27 | 2.13 | 2.63 | 59 |
| RLB-R.272.130 | 2726 x 1300 | 12 | 3.54 | 2.30 | 2.86 | 61 |
| RLB-R.272.140 | 2726 x 1400 | 12 | 3.82 | 2.48 | 3.09 | 64 |
| RLB-R.272.150 | 2726 x 1500 | 12 | 4.09 | 2.70 | 3.32 | 67 |
| RLB-R.272.160 | 2726 x 1600 | 12 | 4.36 | 2.88 | 3.54 | 70 |
| RLB-R.272.170 | 2726 x 1700 | 12 | 4.63 | 3.06 | 3.77 | 73 |
| RLB-R.272.180 | 2726 x 1800 | 12 | 4.91 | 3.24 | 4.00 | 76 |
| RLB-R.272.190 | 2726 x 1900 | 12 | 5.18 | 3.42 | 4.23 | 78 |
| RLB-R.272.200 | 2726 x 2000 | 12 | 5.45 | 3.60 | 4.45 | 81 |
| RLB-R.272.210 | 2726 x 2100 | 12 | 5.72 | 3.78 | 4.68 | 85 |
| RLB-R.272.220 | 2726 x 2200 | 12 | 6.00 | 3.96 | 4.91 | 88 |
| RLB-R.272.230 | 2726 x 2300 | 12 | 6.27 | 4.14 | 5.14 | 92 |
| RLB-R.272.240 | 2726 x 2400 | 12 | 6.54 | 4.32 | 5.36 | 96 |
| RLB-R.294.50 | 2946 x 500 | 13 | 1.47 | 0.93 | 1.13 | 38 |
| RLB-R.294.60 | 2946 x 600 | 13 | 1.77 | 1.11 | 1.37 | 41 |
| RLB-R.294.70 | 2946 x 700 | 13 | 2.06 | 1.32 | 1.62 | 44 |
| RLB-R.294.80 | 2946 x 800 | 13 | 2.36 | 1.51 | 1.87 | 46 |
| RLB-R.294.90 | 2946 x 900 | 13 | 2.65 | 1.70 | 2.11 | 49 |
| RLB-R.294.100 | 2946 x 1000 | 13 | 2.95 | 1.91 | 2.36 | 54 |
| RLB-R.294.110 | 2946 x 1100 | 13 | 3.24 | 2.11 | 2.61 | 58 |
| RLB-R.294.120 | 2946 x 1200 | 13 | 3.54 | 2.30 | 2.85 | 61 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.294.130 | 2946 x 1300 | 13 | 3.83 | 2.49 | 3.10 | 64 |
| RLB-R.294.140 | 2946 x 1400 | 13 | 4.12 | 2.68 | 3.35 | 67 |
| RLB-R.294.150 | 2946 x 1500 | 13 | 4.42 | 2.92 | 3.59 | 70 |
| RLB-R.294.160 | 2946 x 1600 | 13 | 4.71 | 3.11 | 3.84 | 73 |
| RLB-R.294.170 | 2946 x 1700 | 13 | 5.01 | 3.31 | 4.09 | 76 |
| RLB-R.294.180 | 2946 x 1800 | 13 | 5.30 | 3.50 | 4.33 | 79 |
| RLB-R.294.190 | 2946 x 1900 | 13 | 5.60 | 3.69 | 4.58 | 82 |
| RLB-R.294.200 | 2946 x 2000 | 13 | 5.89 | 3.89 | 4.83 | 85 |
| RLB-R.294.210 | 2946 x 2100 | 13 | 6.19 | 4.08 | 5.08 | 88 |
| RLB-R.294.220 | 2946 x 2200 | 13 | 6.48 | 4.28 | 5.32 | 90 |
| RLB-R.294.230 | 2946 x 2300 | 13 | 6.78 | 4.47 | 5.57 | 96 |
| RLB-R.294.240 | 2946 x 2400 | 13 | 7.07 | 4.67 | 5.82 | 102 |
| RLB-R.316.50 | 3166 x 500 | 14 | 1.58 | 1.00 | 1.21 | 40 |
| RLB-R.316.60 | 3166 x 600 | 14 | 1.90 | 1.20 | 1.48 | 43 |
| RLB-R.316.70 | 3166 x 700 | 14 | 2.22 | 1.42 | 1.75 | 46 |
| RLB-R.316.80 | 3166 x 800 | 14 | 2.53 | 1.62 | 2.01 | 48 |
| RLB-R.316.90 | 3166 x 900 | 14 | 2.85 | 1.82 | 2.28 | 51 |
| RLB-R.316.100 | 3166 x 1000 | 14 | 3.17 | 2.06 | 2.54 | 56 |
| RLB-R.316.110 | 3166 x 1100 | 14 | 3.48 | 2.26 | 2.81 | 61 |
| RLB-R.316.120 | 3166 x 1200 | 14 | 3.80 | 2.47 | 3.08 | 64 |
| RLB-R.316.130 | 3166 x 1300 | 14 | 4.12 | 2.68 | 3.34 | 67 |
| RLB-R.316.140 | 3166 x 1400 | 14 | 4.43 | 2.88 | 3.61 | 70 |
| RLB-R.316.150 | 3166 x 1500 | 14 | 4.75 | 3.13 | 3.87 | 73 |
| RLB-R.316.160 | 3166 x 1600 | 14 | 5.07 | 3.34 | 4.14 | 77 |
| RLB-R.316.170 | 3166 x 1700 | 14 | 5.38 | 3.55 | 4.41 | 80 |
| RLB-R.316.180 | 3166 x 1800 | 14 | 5.70 | 3.76 | 4.67 | 83 |
| RLB-R.316.190 | 3166 x 1900 | 14 | 6.02 | 3.97 | 4.94 | 86 |
| RLB-R.316.200 | 3166 x 2000 | 14 | 6.33 | 4.18 | 5.20 | 89 |
| RLB-R.316.210 | 3166 x 2100 | 14 | 6.65 | 4.39 | 5.47 | 92 |
| RLB-R.316.220 | 3166 x 2200 | 14 | 6.97 | 4.60 | 5.74 | 94 |
| RLB-R.316.230 | 3166 x 2300 | 14 | 7.28 | 4.81 | 6.00 | 100 |
| RLB-R.316.240 | 3166 x 2400 | 14 | 7.60 | 5.01 | 6.27 | 107 |
| RLB-R.338.50 | 3386 x 500 | 15 | 1.69 | 1.07 | 1.30 | 42 |
| RLB-R.338.60 | 3386 x 600 | 15 | 2.03 | 1.28 | 1.59 | 45 |
| RLB-R.338.70 | 3386 x 700 | 15 | 2.37 | 1.54 | 1.87 | 48 |
| RLB-R.338.80 | 3386 x 800 | 15 | 2.71 | 1.76 | 2.16 | 50 |
| RLB-R.338.90 | 3386 x 900 | 15 | 3.05 | 1.98 | 2.44 | 53 |
| RLB-R.338.100 | 3386 x 1000 | 15 | 3.39 | 2.20 | 2.73 | 59 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.338.110 | 3386 x 1100 | 15 | 3.72 | 2.42 | 3.01 | 64 |
| RLB-R.338.120 | 3386 x 1200 | 15 | 4.06 | 2.68 | 3.30 | 67 |
| RLB-R.338.130 | 3386 x 1300 | 15 | 4.40 | 2.91 | 3.58 | 71 |
| RLB-R.338.140 | 3386 x 1400 | 15 | 4.74 | 3.13 | 3.87 | 74 |
| RLB-R.338.150 | 3386 x 1500 | 15 | 5.08 | 3.35 | 4.15 | 77 |
| RLB-R.338.160 | 3386 x 1600 | 15 | 5.42 | 3.58 | 4.44 | 80 |
| RLB-R.338.170 | 3386 x 1700 | 15 | 5.76 | 3.80 | 4.72 | 83 |
| RLB-R.338.180 | 3386 x 1800 | 15 | 6.09 | 4.02 | 5.01 | 86 |
| RLB-R.338.190 | 3386 x 1900 | 15 | 6.43 | 4.25 | 5.29 | 90 |
| RLB-R.338.200 | 3386 x 2000 | 15 | 6.77 | 4.47 | 5.58 | 93 |
| RLB-R.338.210 | 3386 x 2100 | 15 | 7.11 | 4.69 | 5.86 | 97 |
| RLB-R.338.220 | 3386 x 2200 | 15 | 7.45 | 4.92 | 6.15 | 100 |
| RLB-R.338.230 | 3386 x 2300 | 15 | 7.79 | 5.14 | 6.43 | 105 |
| RLB-R.338.240 | 3386 x 2400 | 15 | 8.13 | 5.36 | 6.72 | 111 |
| RLB-R.360.50 | 3606 x 500 | 16 | 1.80 | 1.14 | 1.39 | 45 |
| RLB-R.360.60 | 3606 x 600 | 16 | 2.16 | 1.36 | 1.69 | 48 |
| RLB-R.360.70 | 3606 x 700 | 16 | 2.52 | 1.64 | 2.00 | 51 |
| RLB-R.360.80 | 3606 x 800 | 16 | 2.88 | 1.88 | 2.30 | 53 |
| RLB-R.360.90 | 3606 x 900 | 16 | 3.25 | 2.11 | 2.60 | 56 |
| RLB-R.360.100 | 3606 x 1000 | 16 | 3.61 | 2.34 | 2.91 | 62 |
| RLB-R.360.110 | 3606 x 1100 | 16 | 3.97 | 2.58 | 3.21 | 67 |
| RLB-R.360.120 | 3606 x 1200 | 16 | 4.33 | 2.86 | 3.52 | 70 |
| RLB-R.360.130 | 3606 x 1300 | 16 | 4.69 | 3.09 | 3.82 | 74 |
| RLB-R.360.140 | 3606 x 1400 | 16 | 5.05 | 3.33 | 4.13 | 77 |
| RLB-R.360.150 | 3606 x 1500 | 16 | 5.41 | 3.57 | 4.43 | 80 |
| RLB-R.360.160 | 3606 x 1600 | 16 | 5.77 | 3.81 | 4.73 | 84 |
| RLB-R.360.170 | 3606 x 1700 | 16 | 6.13 | 4.05 | 5.04 | 87 |
| RLB-R.360.180 | 3606 x 1800 | 16 | 6.49 | 4.28 | 5.34 | 90 |
| RLB-R.360.190 | 3606 x 1900 | 16 | 6.85 | 4.52 | 5.65 | 94 |
| RLB-R.360.200 | 3606 x 2000 | 16 | 7.21 | 4.76 | 5.95 | 97 |
| RLB-R.360.210 | 3606 x 2100 | 16 | 7.57 | 5.00 | 6.26 | 101 |
| RLB-R.360.220 | 3606 x 2200 | 16 | 7.93 | 5.24 | 6.56 | 104 |
| RLB-R.360.230 | 3606 x 2300 | 16 | 8.29 | 5.47 | 6.87 | 109 |
| RLB-R.360.240 | 3606 x 2400 | 16 | 8.65 | 5.71 | 7.17 | 115 |
| RLB-R.382.50 | 3826 x 500 | 17 | 1.91 | 1.21 | 1.47 | 48 |
| RLB-R.382.60 | 3826 x 600 | 17 | 2.30 | 1.45 | 1.80 | 50 |
| RLB-R.382.70 | 3826 x 700 | 17 | 2.68 | 1.74 | 2.12 | 53 |
| RLB-R.382.80 | 3826 x 800 | 17 | 3.06 | 1.99 | 2.44 | 56 |

Technical Data Sheet –

# Roof Louvre Blade – Residential (RLB-R)

| Product Code | Roof Opening Size – L x W (mm) | No. of Blades | Geometric Area Av (m²) | Aerodynamic Area Aa (m²) | Free Area (m²) | Weight (kg) |
|---|---|---|---|---|---|---|
| RLB-R.382.90 | 3826 x 900 | 17 | 3.44 | 2.24 | 2.77 | 58 |
| RLB-R.382.100 | 3826 x 1000 | 17 | 3.83 | 2.49 | 3.09 | 64 |
| RLB-R.382.110 | 3826 x 1100 | 17 | 4.21 | 2.74 | 3.41 | 70 |
| RLB-R.382.120 | 3826 x 1200 | 17 | 4.59 | 3.03 | 3.74 | 74 |
| RLB-R.382.130 | 3826 x 1300 | 17 | 4.97 | 3.28 | 4.06 | 77 |
| RLB-R.382.140 | 3826 x 1400 | 17 | 5.36 | 3.54 | 4.39 | 81 |
| RLB-R.382.150 | 3826 x 1500 | 17 | 5.74 | 3.79 | 4.71 | 84 |
| RLB-R.382.160 | 3826 x 1600 | 17 | 6.12 | 4.04 | 5.03 | 87 |
| RLB-R.382.170 | 3826 x 1700 | 17 | 6.50 | 4.29 | 5.36 | 90 |
| RLB-R.382.180 | 3826 x 1800 | 17 | 6.89 | 4.55 | 5.68 | 94 |
| RLB-R.382.190 | 3826 x 1900 | 17 | 7.27 | 4.80 | 6.00 | 97 |
| RLB-R.382.200 | 3826 x 2000 | 17 | 7.65 | 5.05 | 6.33 | 101 |
| RLB-R.382.210 | 3826 x 2100 | 17 | 8.03 | 5.30 | 6.65 | 105 |
| RLB-R.382.220 | 3826 x 2200 | 17 | 8.42 | 5.56 | 6.97 | 109 |
| RLB-R.382.230 | 3826 x 2300 | 17 | 8.80 | 5.81 | 7.30 | 114 |
| RLB-R.382.240 | 3826 x 2400 | 17 | 9.18 | 6.06 | 7.62 | 119 |