



## Specifications

SHEV application   

### Brakel® Eura-R

Manufacturer	: Brakel (www.brakel.com)
Type	: Brakel® Eura-R
Description	: natural louvered ventilator, complete with rainproof side blades for minimal ventilation during precipitation, suitable for ventilation and smoke & heat ventilation
Top louvers	: fixed or controllable
Top louver operation	: - single action pneumatic cylinder + CO <sub>2</sub> fire function (PB) / - single action failsafe pneumatic cylinder (PBFS) / - single action pneumatic cylinder + CO <sub>2</sub> fire function that activates the smoke & heat ventilation when 10 bar is exceeded (PB10bar) / - double action pneumatic cylinder + CO <sub>2</sub> fire function (P2B) / - 24Vdc spindle motor (M24) for daily ventilation with single action pneumatic cylinder + CO <sub>2</sub> fire function for smoke & heat ventilation (PBM) - 24Vdc spindle motor + transformer / rectifier (M230) + additional system
Side blades	: permanently open or controllable
Side blades operation	: single action pneumatic cylinder (P-Z) / 24Vdc spindle motor (M24-Z) / 24Vdc spindle motor + transformer / rectifier (M230-Z)
Base	: low uninsulated (LB) / high uninsulated (HB) / high insulated (GHB)
Top louvers	: single wall aluminium / double wall aluminium / double wall insulated aluminium (alu-iso) / sandwich panel 8/16mm / double wall polycarbonate, colour: clear or opal (isolux 8/16mm) / single clear laminated glass(3.3.2.) / insulated glass 4-6-3.3.2
Flanges	: uninsulated / insulated; type clamp mounted single glass (F1) / clamp mounted insulated glass (F2) / elevation 45 °(F3) / plane (F4) / elevation 90°(F5) / profiled roof (F6) / skylight connection (F7) / connecting flange (F8)
Clear opening (w x l)	: *** x *** mm (identical)
Flange sizes (w x l)	: *** x *** mm (identical)
Aerodynamic flow	: *** m <sup>2</sup>
Installation	: on preformed upstand / in glass roof construction / surface mounted profiled roof
Protection	: to match glass roof construction / enamel finish with *** layer polyester powder coating, layer thickness *** µ, in standard RAL colour (group ***) / anodised / untreated (milled aluminium)
Test(s)	: - EN 12101-2 - Soft Body Impact test 1200J



## Specifications

Ventilation application  

### Brakel® Eura-R

Manufacturer	: Brakel (www.brakel.com)
Type	: Brakel® Eura-R
Description	: natural louvered ventilator, complete with rainproof side blades for minimal ventilation during precipitation, suitable for ventilation
Top louvers	: fixed or controllable
Top louver operation	: single action pneumatic cylinder (P) / double action pneumatic cylinder (P2) 24Vdc spindle motor (M24) / 24Vdc spindle motor + transformer / rectifier (M230)
Side blades	: permanently open or controllable
Side blades operation	: single action pneumatic cylinder (P-Z) / 24Vdc spindle motor (M24-Z) / 24Vdc spindle motor + transformer / rectifier (M230-Z)
Base	: low uninsulated (LB) / high uninsulated (HB) / high insulated (GHB)
Top louvers	: single wall aluminium / double wall aluminium / double wall insulated aluminium (alu-iso) / sandwich panel 8/16mm / double wall polycarbonate, colour: clear or opal (isolux 8/16mm) / single clear laminated glass (3.3.2.) / insulated glass 4-6-3.3.2
Flanges	: uninsulated / insulated; type clamp mounted single glass (F1) / clamp mounted insulated glass (F2) / elevation 45 °(F3) / plane (F4) / elevation 90° (F5) / profiled roof (F6) / skylight connection (F7) / connecting flange (F8)
Clear opening (w x l)	: *** x *** mm (identical)
Flange sizes (w x l)	: *** x *** mm (identical)
Aerodynamic flow	: *** m <sup>2</sup>
A Installation	: on preformed upstand / in glass roof construction / surface mounted
Protection	: to match glass roof construction / enamel finish with *** layer polyester powder coating, layer thickness *** mu, in standard RAL colour (group ***) / anodised / untreated (milled aluminium)
Test	: Soft Body Impact test 1200J