

Perfect for parking space and entertaining areas Architecturally design for style and function

Premium Focus

No one desires inferior products. No one desires continual maintenance costs for products they've already paid for either. This is why we only use premium quality materials to deliver premium quality results.



Carport

► P.3



PJR-series



PJF-series



MLR-series



LJF-series



VR/VRS-series



VD/VDS-series



RSC/RSZ-series



KWC-series



ATLD-series



CSS-series



TVHL-series

Terrace & Patio Covers

► P.29



TR-series



TF-series

Entry Gate & High Gate

► P.33



MEX/MF-series



Boundary Fence and High Fence

► P.35



FEX-series



FV-series

Non-Caster Accordion Gates

► P.37



HGN-series



CARPORT VARIATION

Designed Carport which well-harmonized with design and function.

Arched roof shape like a bird wing.
Wide size variation for various space and lifestyle.
Strong component and high resistant for wind and snow.
Easy installation and maintenance.



PJR-series



Designed carport for various lifestyle with excellent performance.

► P.5



PJR

PJF-series



Refined simple & flat design.

► P.7



PJF

MLR-series



Smart & Flat design would set off the simple modern house.

► P.11



MLR

LJF-series



Refresh with an open roof structure leading the beauty and strength.

► P.13



LJF

VR/VRS-series



Higher grade model for wind and snow.

► P.15



VR/VRS

VD/VDS-series



Beautiful curved edge protects your car from wind and snow.

► P.17



VD/VDS

RSC/RSZ-series



Front open, a clear view and easy access for parking.

► P.19



RSC/RSZ

KWC-series



Wide projection and cantilever design.
2 different post position available.

► P.21



KWC

ATLD-series



High spec × High design. Highlights quality living.

► P.23



ATLD

CSS-series



Snow region model but, more Stylish design & Polycarbonate roof panel type.

► P.25



CSS

TVHL-series



Independent terrace & Bicycle shade type.

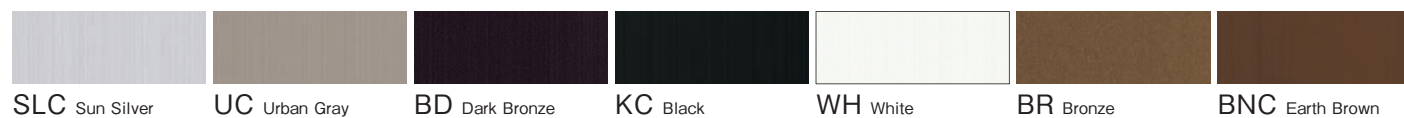
► P.26



TVHL



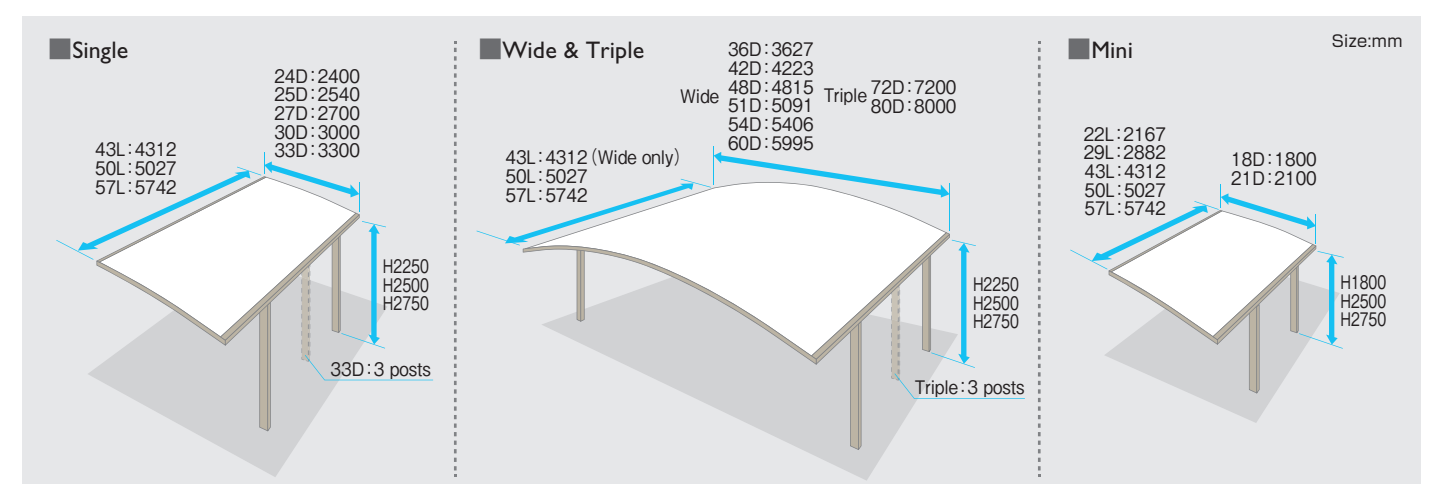
ALUMINIUM COLOR



ROOF COLOR



STRENGTH





Single Basic



PJP-5127 H25 (UC)



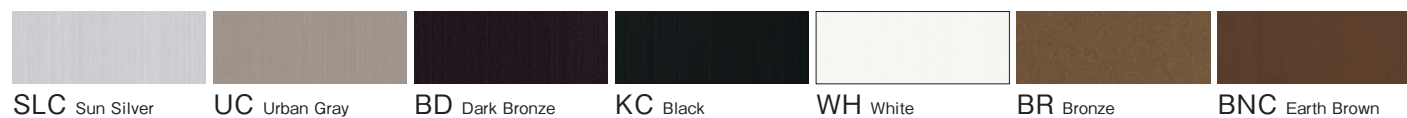
Single Basic 33D



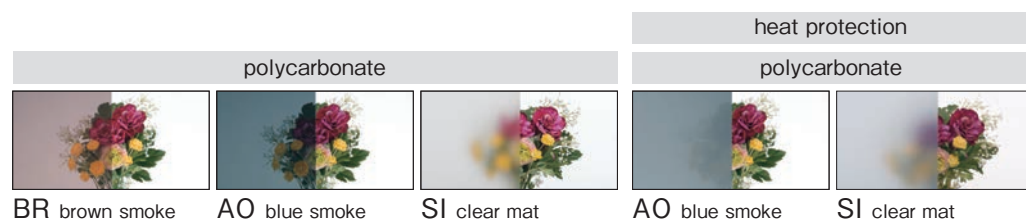
PJP-5133 H25 (KC)



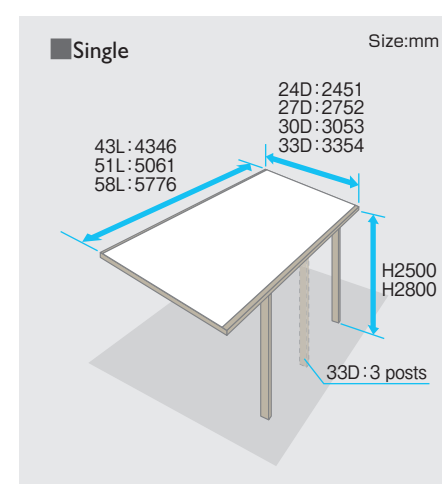
ALUMINIUM COLOR



ROOF COLOR



STRENGTH



DESIGN

FLAT ROOF DESIGN Simple & Stylish Form



PJR & PJF series Common Feature

Size

Wide

Max. depth 33D cantilever available now.

Compact

Compact length 43L available now.

Post Type

PJRseries

3 different long post types H23, H25, H28 are available.

PJFseries

2 different long post types H25, H28 are available.

ALUMINIUM COLOR

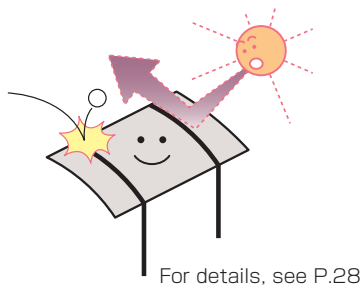
7 colors variations match your multiple home styles.

Enjoy your color coordination from 7 colors variations.

SLC Sun Silver	UC Urban Gray	BD Dark Bronze	KC Black	WH White	BR Bronze	BNC Earth Brown

ROOF COLOR

polycarbonate			heat protection polycarbonate	
BR brown smoke	AO blue smoke	SI clear mat	AO blue smoke	SI clear mat



Drain Elbow

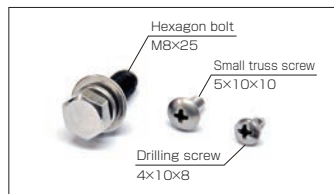
Drain elbow for easy maintenance.



Using drain elbow which can remove dust accumulated in the rain makes its maintenance easier.

Locking Bolt

Reduce & Common Screws



3 types of screw helps time saving of installation.

PJR & PJF series Common Option

Side Panel

PJRseries

PJFseries

Removable Support Post

Upgrading for the carport's wind strength



Smart Holding

Smart Holdings on post when remove it



Support Post Holder

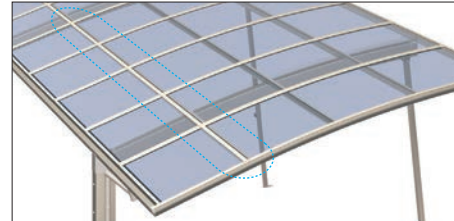
Flash surface holder on the ground

When installing its support post and roof panel support together, the wind strength of the carport comes higher at V=42m/s than standard 38m/s.

notes Cantilever type is recommended to install support post preparing the sudden strong wind, and please make sure to use support post when the strong winds occur.

Roof Panel Support

Upgrading for the panel holding strength



Roof panel support that reinforce the roof panels against strong wind ensure the safety of the carport.

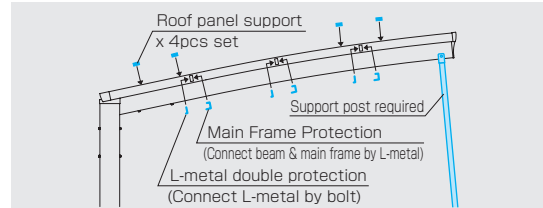
notes Required the support post.

●Diagram of the roof panel support

Single basic	Wide beam	Triple	Mini
●	—	—	●

Hurricane Protection

Controlling the roof fall off against hurricane



notes Removable support post required on hurricane support program.

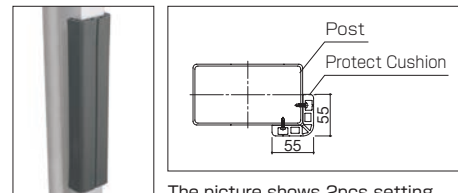
●Diagram of the Hurricane Protection

Single basic	Wide beam	Triple	Mini
●	×	×	●

Snow removing bar



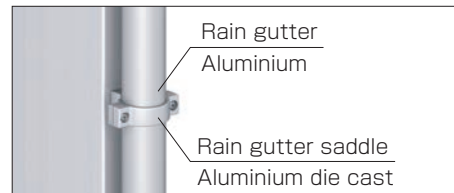
Protect Cushion



The picture shows 2pcs setting.

The rubber cushion protects hitting door and post while getting on/off the car. Installation screws are invisible because of double layer profile.

Aluminium Rain Gutter



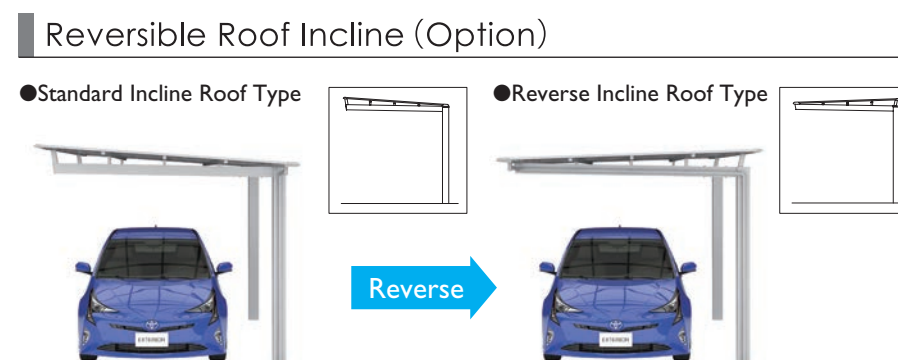
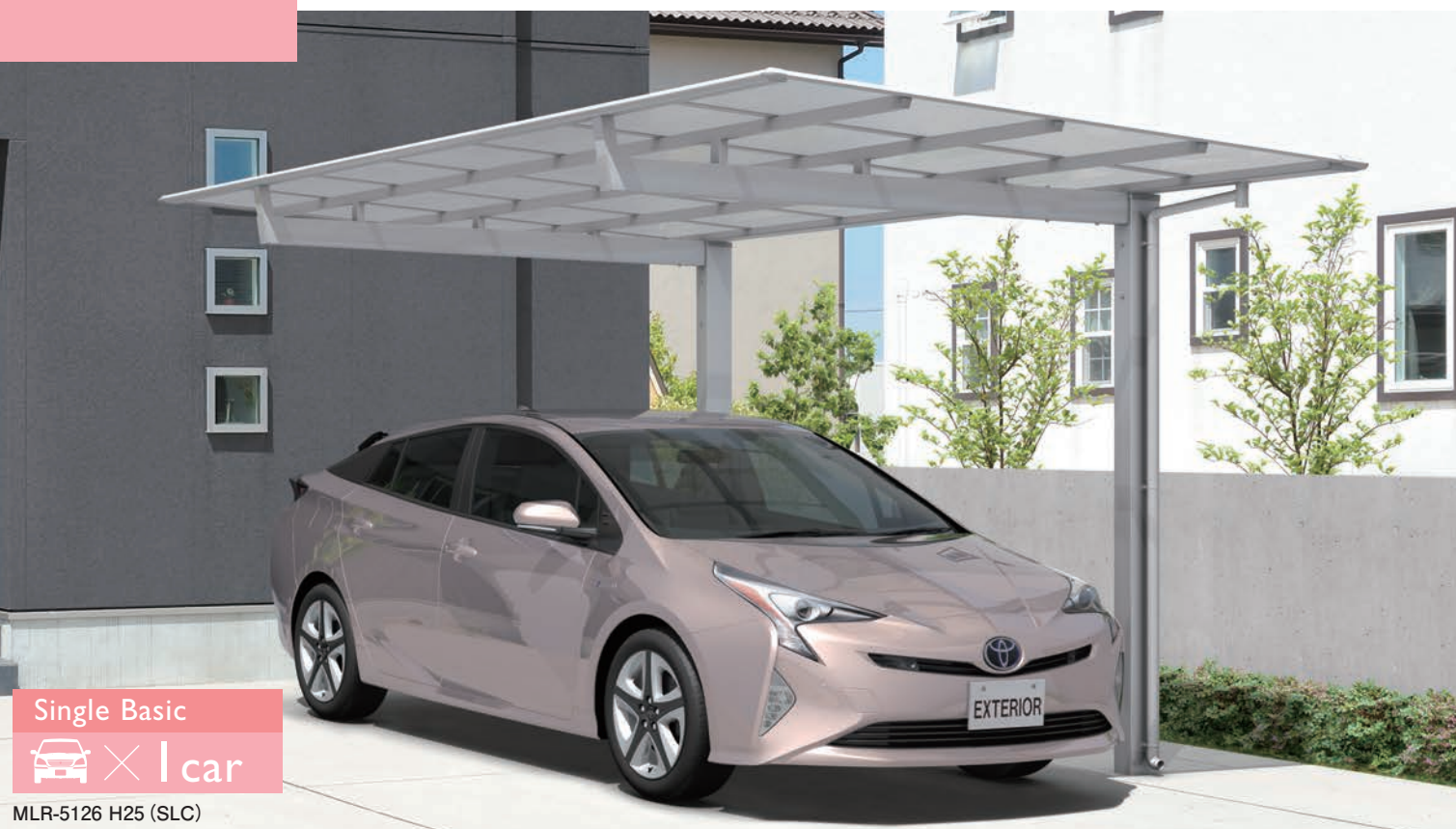
Aluminium rain gutter and saddle.

Clothes Hanger

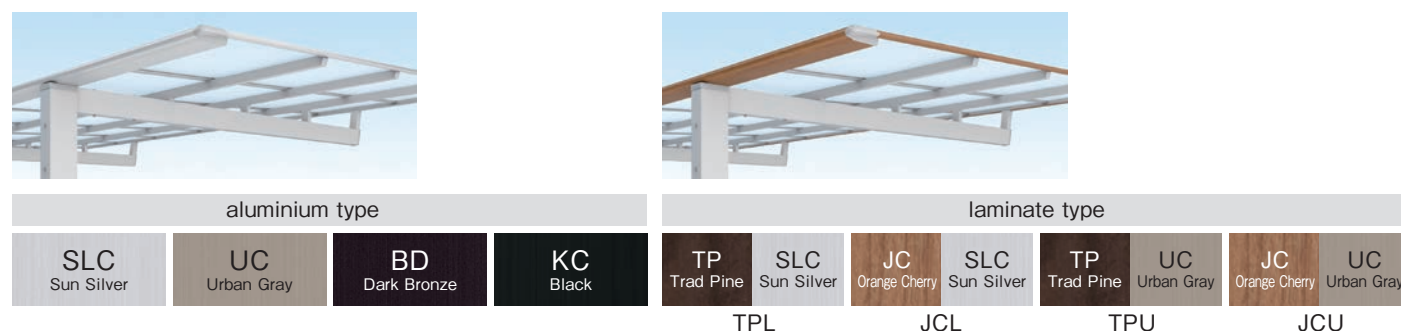


Upper 45° , Horizontal , Lower 25°

Smart & Flat design would set off the simple modern house.



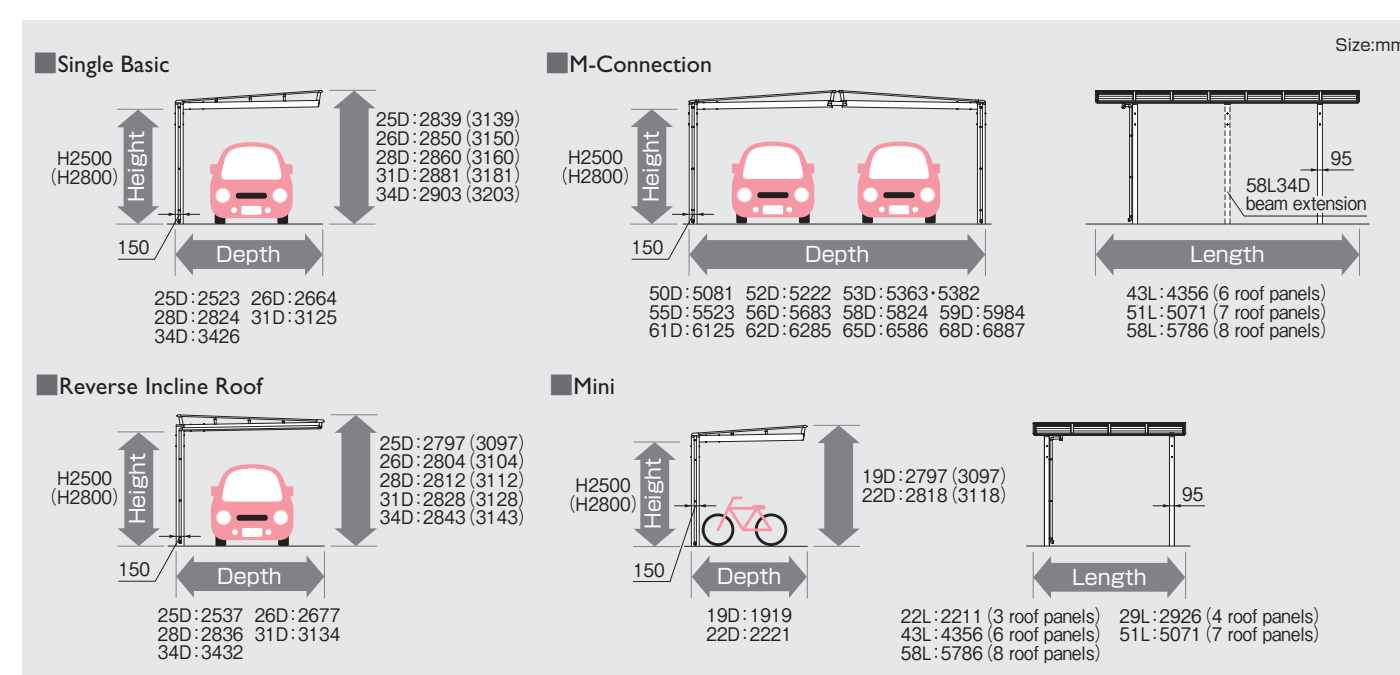
COLOR



ROOF COLOR



STRENGTH



Refresh with an open roof structure leading the beauty and strength.



Wide Beam Triple

× 3 cars

LJF-5080 H23 (BD)



Single Basic	M-Connection	In-Line Connection
LJF-5028 H23 (UC)	LJF-50-2828 H23 (WH)	LJF-5050-28 H23 (JCU)
× 1 car	× 2 cars	× 2 cars

COLOR

aluminium type					laminate type			
SLC Sun Silver	UC Urban Gray	BD Dark Bronze	KC Black	WH White	TP Trad Pine	SLC Sun Silver	JC Orange Cherry	UC Urban Gray
					TPL	JCL	TPU	JCU

ROOF COLOR

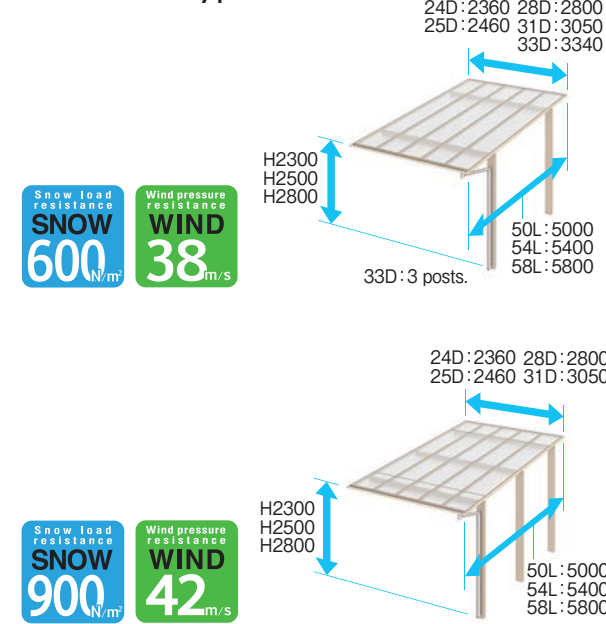
polycarbonate			heat protection polycarbonate	
BR brown smoke	AO blue smoke	SI clear mat	AO blue smoke	SI clear mat

STRENGTH

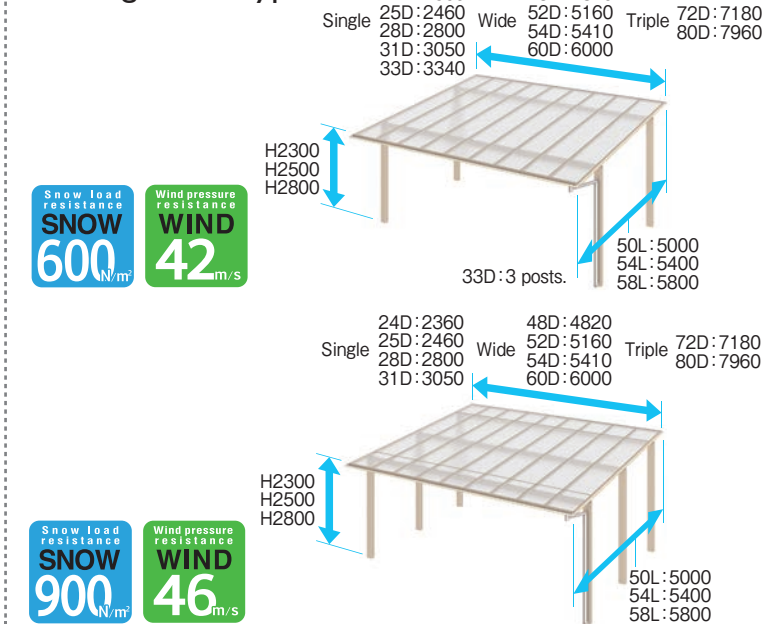
Snow load resistance SNOW 600 N/m ²	Wind pressure resistance WIND 38 m/s	Snow load resistance SNOW 900 N/m ²	Wind pressure resistance WIND 42 m/s	Wind pressure resistance WIND 46 m/s
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Single (Bearing Beam)	Wide Beam	Advantage of single long slope
LJF-5028 H23 (JCL)	LJF-5054 H23 (TPU)	
× 1 car	× 2 cars	

Cantilever Type



Bearing Beam Type





VRseries
2 posts type

Single Basic

1 car

VR-5027 H23 (SLC)



VRSseries
3 posts type

Single Basic

1 car

VRS-5027 H23 (UC)



Single Basic



VR-5027 H23 (UC)

1 car

M-Connection



VR-50-2727M H23 (UC)

2 cars

Y-Connection



VR-50-2727Y H23 (UC)

2 cars

VR series only

In-Line Connection



VR-5050-27 H23 (UC)

2 cars

Wide beam

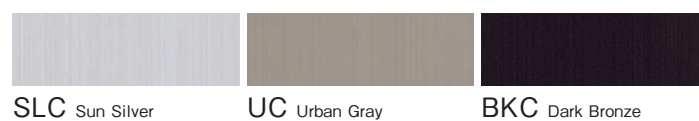


VRW-5054 H23 (UC)

2 cars



ALUMINIUM COLOR

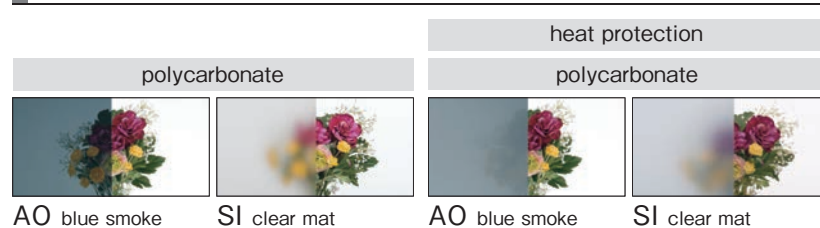


SLC Sun Silver

UC Urban Gray

BKC Dark Bronze

ROOF COLOR



AO blue smoke

SI clear mat

AO blue smoke

SI clear mat



VRseries

Cost-effective
2 posts type

Stylish form

Snow load
resistance
**SNOW
900**
N/m²

Wind pressure
resistance
**WIND
38**
m/s

Wind pressure
resistance
**WIND
42**
m/s

Single

Wide



VRSseries

High-intensity
3 posts type

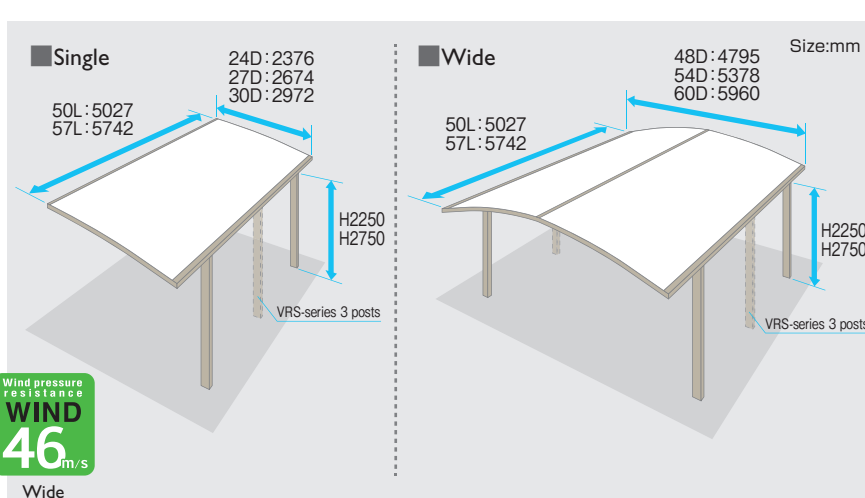
Strong & Tough, Flagship

Snow load
resistance
**SNOW
1500**
N/m²

Wind pressure
resistance
**WIND
42**
m/s

Wind pressure
resistance
**WIND
46**
m/s

Single



VD/VDS series

Beautiful curved edge protects your car from wind and snow.



VDseries 2 posts type

Single Basic

1 car

VD-5127 H23 (UC)

VDSseries 3 posts type

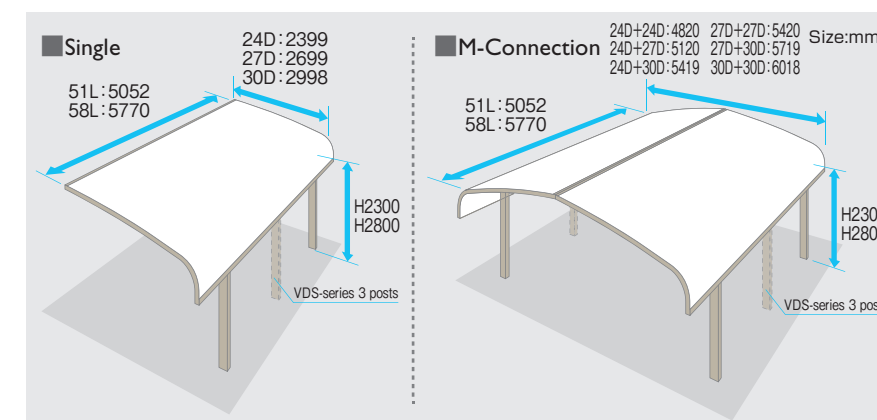
Single Basic

1 car

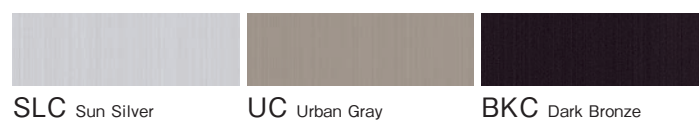
VDS-5127 H23 (SLC)

Single Basic	M-Connection	In-Line Connection
		
VD-5127 H23 (UC)	VD-51-2727M H23 (UC)	VD-5151-27 H23 (UC)
1 car	2 cars	2 cars

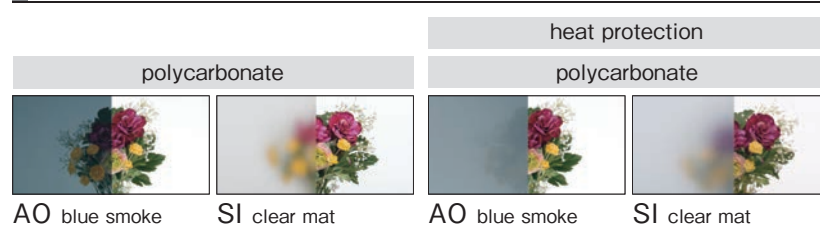
Curved edge shape



ALUMINIUM COLOR



ROOF COLOR



VDseries

Cost-effective
2 posts type

Stylish form

Snow load resistance
SNOW 900 N/m²

Wind pressure resistance
WIND 38 m/s

VDSseries

High-intensity
3 posts type

Strong & Tough, Flagship

Snow load resistance
SNOW 1500 N/m²

Wind pressure resistance
WIND 42 m/s



PJR
PIF
MLR
LJF
VRVRS
VDVDS
RSC/RSZ
KWC
ATLD
CSS
TVHL

RSC/RSZ series

Front open, a clear view and easy access for parking.



RSCseries

Single
 × 1 car

RSC-5027 H23 (KC)

RSZseries

Wide
 × 2 cars

RSZ-5054 H23 (TPL)

Single

RSC-5027 H23 (TPL)

× 1 car

Wide

RSC-5054 H23 (SLC)

× 2 cars

Multiple Connection

RSC-50・2427M H23 (UC)

× 2 cars

COLOR

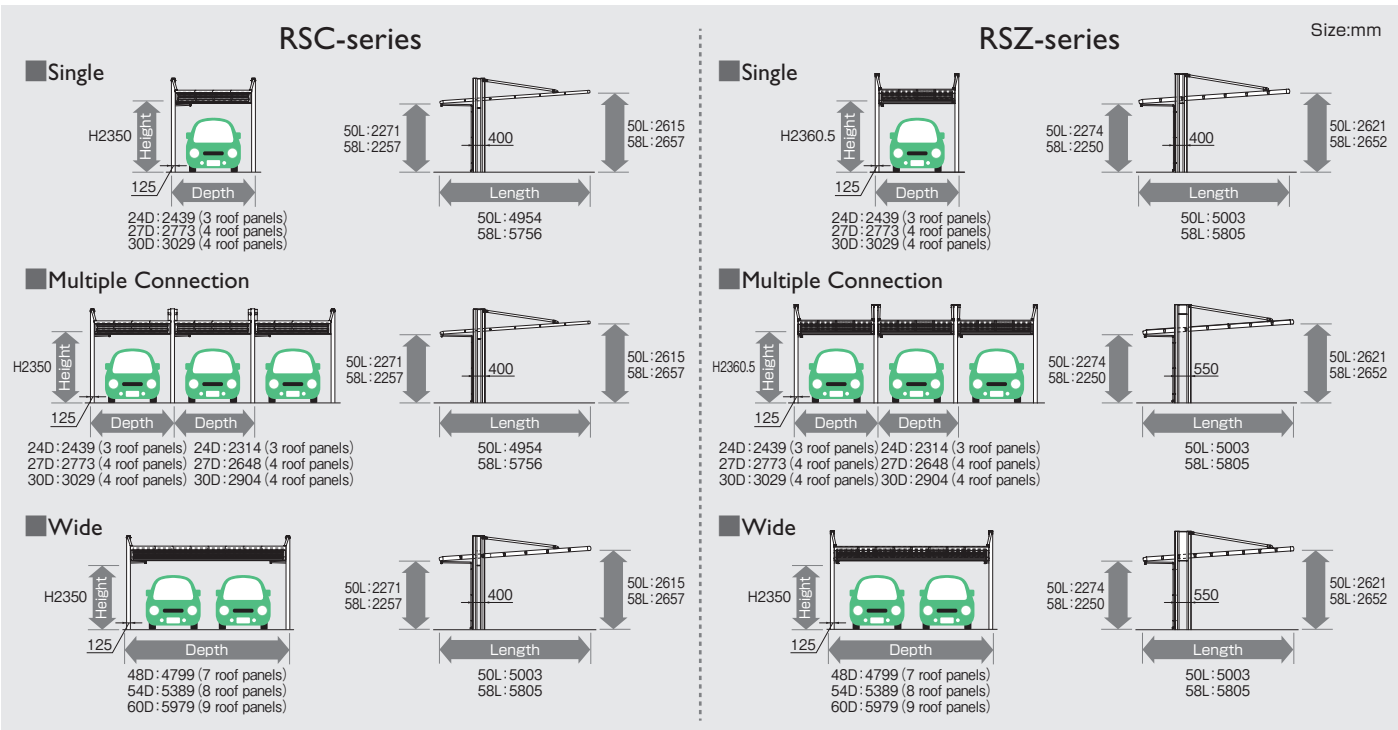
aluminium type			laminate type							
SLC Sun Silver	UC Urban Gray	KC Black	TP Trad Pine	SLC Sun Silver	JC Orange Cherry	SLC Sun Silver	TP Trad Pine	UC Urban Gray	JC Orange Cherry	UC Urban Gray
			TPL		JCL		TPU		JCU	

ROOF COLOR

heat protection		
polycarbonate	polycarbonate	polycarbonate
SI clear mat	AO blue smoke	SI clear mat

STRENGTH

RSC series	RSZ series	



PJR

PIF

MLR

LJF

VRVRS

VDVDS

RSC/RSZ

KWC

ATLD

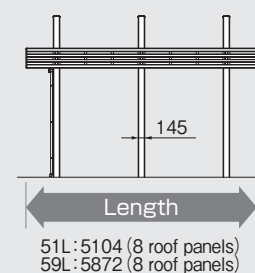
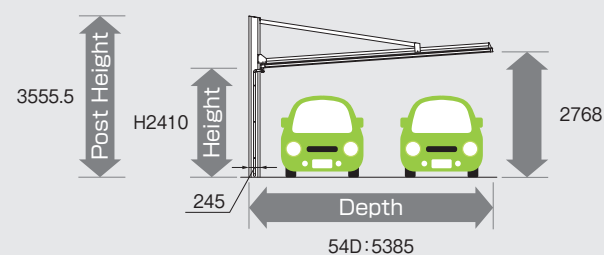
CSS

TVHL

20

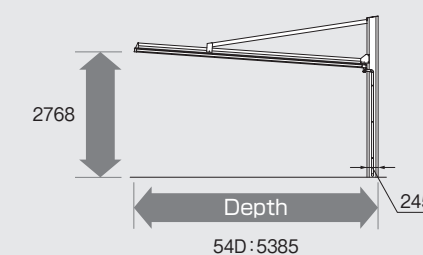
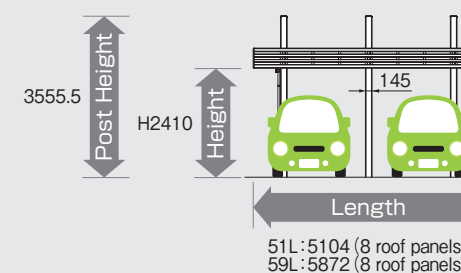


Side post position (side frame > front wide)



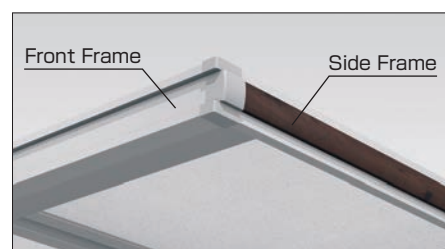
Size:mm

Rear post position (front frame > front wide)



Size:mm

COLOR

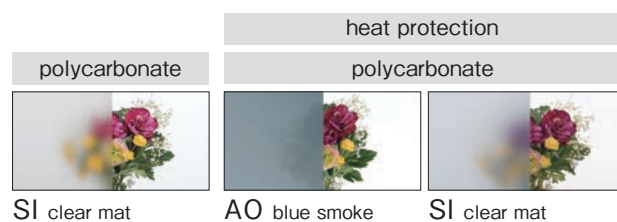


aluminium type	
SLC Sun Silver	UC Urban Gray

laminate type			
TP Trad Pine	SLC Sun Silver	JC Orange Cherry	SLC Sun Silver

TPL		JCL	
TP Trad Pine	UC Urban Gray	JC Orange Cherry	UC Urban Gray
TPU		JCU	

ROOF COLOR

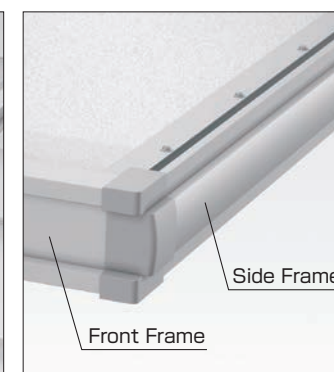


STRENGTH



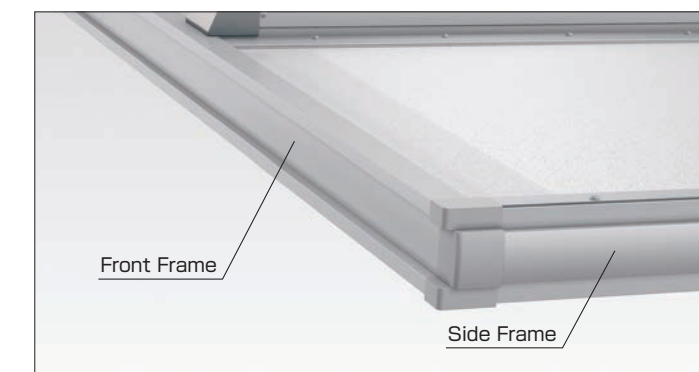
SIDE POST POSITION (SIDE FRAME > FRONT WIDE)

Unified arm and side frames in a round shape. Emphasize the design impact from the side frame view.



REAR POST POSITION (FRONT FRAME > FRONT WIDE)

Front & Rear frame emphasize the FLAT LINE design and suit & fit for the house design.

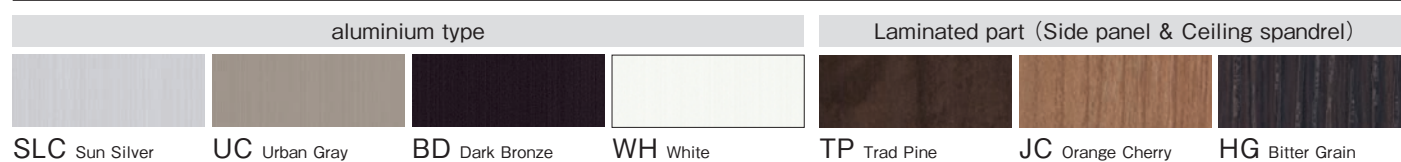




× 1 car

× 2cars

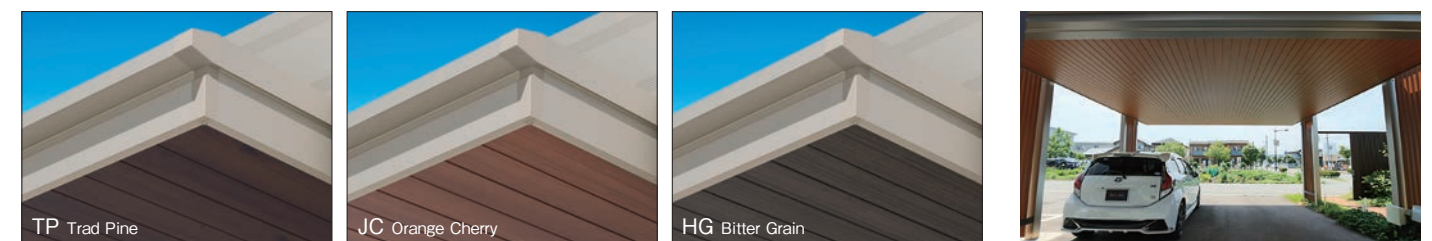
COLOR



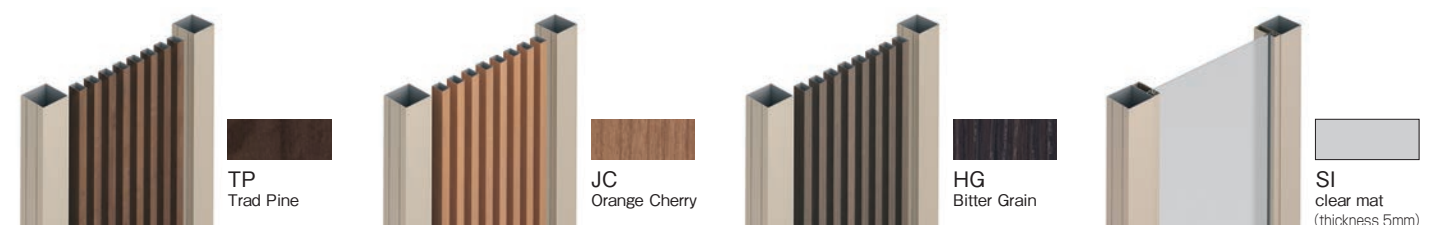
STRENGTH

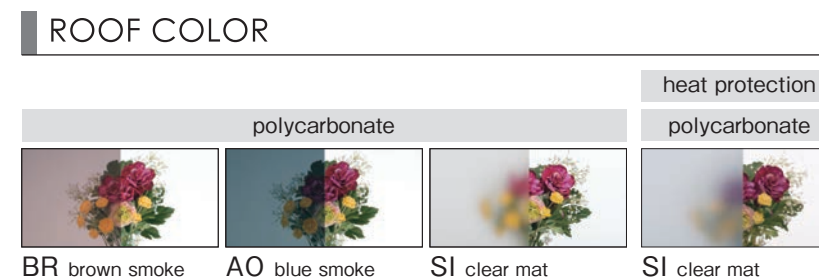
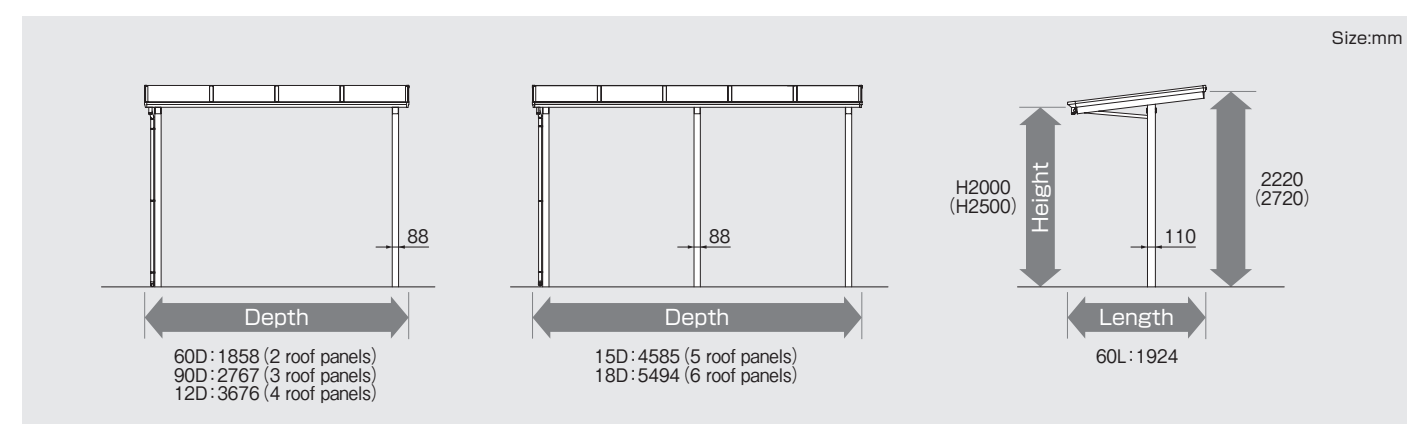
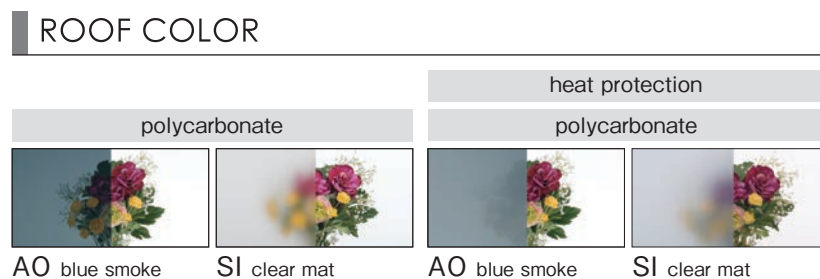
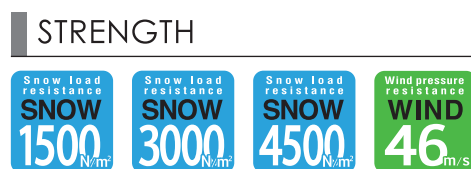
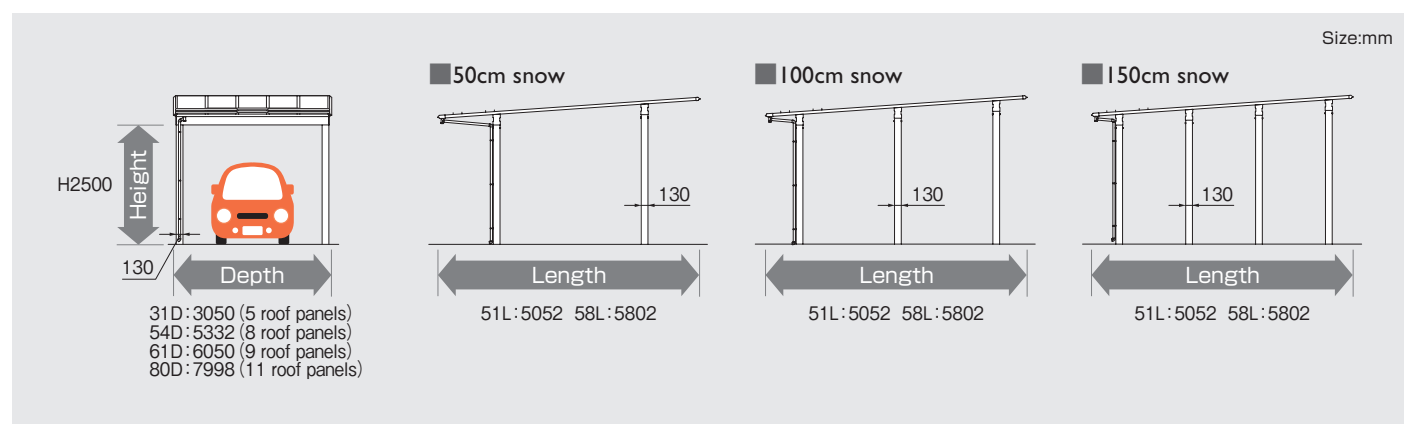


Ceiling



Side panel





Makes you feel
COMFORTABLE your CAR-INSIDE!!

A Past Carports.....

HEAT RAY CUT POLYCARBONATE
"BIG" ADVANTAGE

HOT HOT

SO COOL

Sun side view

Ground side view

When looking from the sun side, the surface reflects in sunlight, therefore the color of the panel looks different from the ground side view.

AO blue smoke

Cuts out 83% of heat rays

Almost all harmful ultraviolet rays (UV) can be cut out. The roof protects car paintwork from fading and car seats from discoloring.

Cuts out 83% of heat rays

Cuts out 100% of UV rays

The temperature in sun-heated cars can rise to 61.6°C. Heat protection polycarbonate carports protect your cars from the summer heat.

CAR INSIDE = 17°C

Polycarbonate roof protects your car from heat waves and restricts temperature rise in the car.

Effect of polycarbonate roof against heat wave (our test result)

Exposed to the sun	Under general polycarbonate roof	Under heat protection polycarbonate roof
61.6°C	50.3°C	43.9°C

The above values are actual values measured by us and not guaranteed values for the products.

Approx. 250 times stronger than glass

Polycarbonate sheet has impact resistance approx. 250 times higher than glass. It can even withstand being hit with a hammer. The polycarbonate roof can protect your car from bad weather conditions such as hail. In addition, since it does not harden, it is suitable for use in cold climates.

Model	PJR	PJF	MLR	LJF	VR/VRS	VD/VDS	RSC/RSZ	KWC	ATLD	CSS	TVHL
Polycarbonate	Cut out UV rays 100% and has a strong impact resistance 250 times higher than glass. Since it does not harden at low temperatures, it is suitable for use in cold climates.										
BR brown smoke											
AO blue smoke											
SI clear mat									Side panel		
Heat protection polycarbonate	The panel effectively cuts solar heat rays (infrared rays) and UV rays.										
AO blue smoke											
SI clear mat											

Roof Panel Performance

Performance	Panel Type	Polycarbonate			Heat Protection Polycarbonate	
		Brown (BR)	Blue Smoke (AO)	Clear Mat (SI)	Blue Smoke (AO)	Clear Mat (SI)
Heat Rays (IR) Cut %		45%	40%	16%	83%	70%
Visible Rays Transmissivity %		34%	20%	88%	11%	79%
UV Rays Cut %		100%	100%	100%	100%	100%

Heat Effect under the Sun Shine

Performance	Panel Type	Sun Direct	Polycarbonate	Heat Protection Polycarbonate (AO)
Car inside		61.6°C	50.3°C	43.9°C
Steering wheel (surface)		84.9°C	59.8°C	46.8°C
Dashboard (surface)		91.2°C	65.9°C	50.3°C

Test Condition : JAPAN / Summer / Fine Day
Ambient Temperature : 34°C~36°C

28

27



Terrace & Patio Covers

TRseries

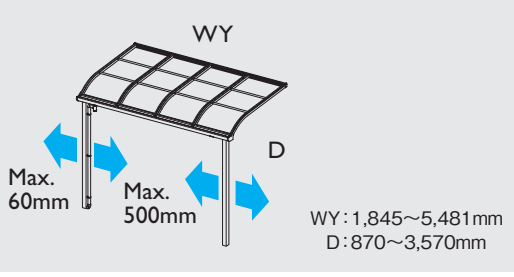
STRENGTH

Snow load
resistance
SNOW
600 N/m²

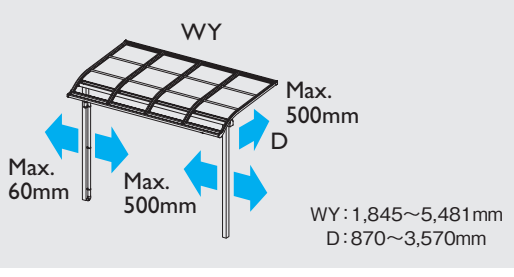
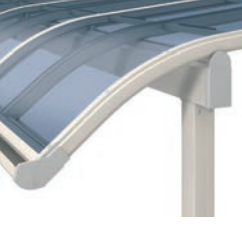
Wind pressure
resistance
WIND
36 m/s

Curve: 3 different types are available.

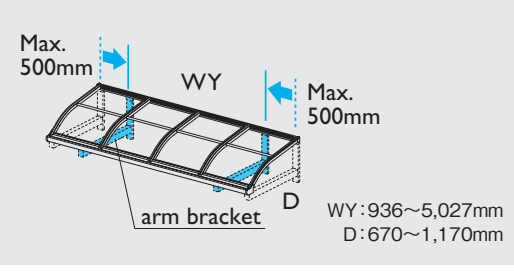
Fix Post Type



Adjustable Post Type



Bracket Type



TFseries

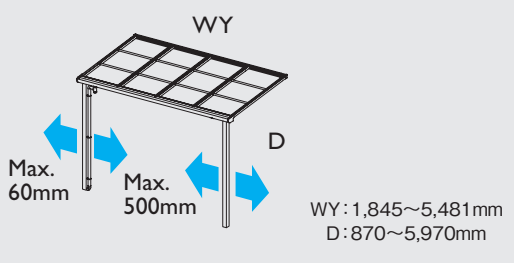
STRENGTH

Snow load
resistance
SNOW
600 N/m²

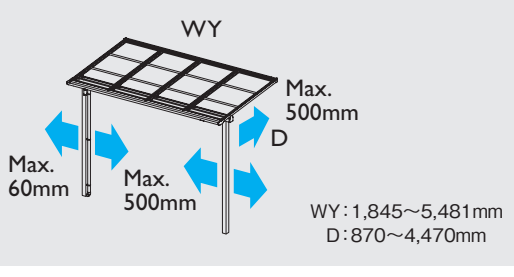
Wind pressure
resistance
WIND
36 m/s

Flat: 3 different types are available.

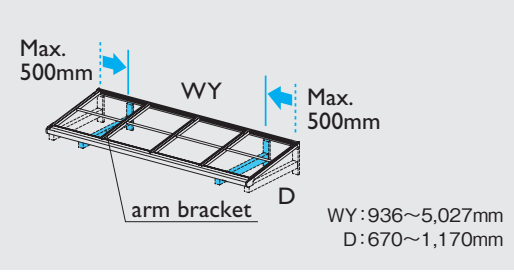
Fix Post Type



Adjustable Post Type



Bracket Type



TR/TF

MEX/ME

FEX/FV

HGN



ALUMINIUM COLOR



ROOF COLOR



STRENGTH



Option

Sun Shade



Clothes Hanger



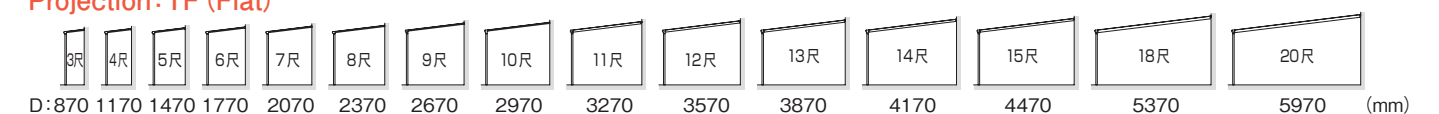
Panel



Projection: TR (Curve)



Projection: TF (Flat)

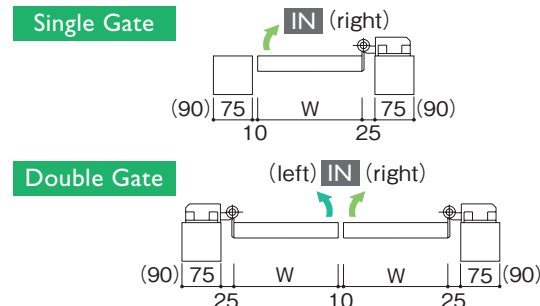
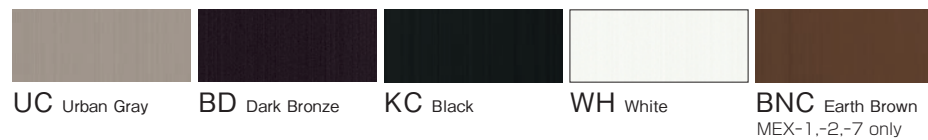




Maximum Height 2m & Maximum Width 2m (for Double Gate)



ALUMINIUM COLOR



Dimension (mm)

	Height	Width							
		Single Gate				Double Gate			
		700	800	900	1000	700×2	800×2	900×2	1000×2
	1000	○	○	—	—	○	○	—	—
	1200	○	○	○	○	○	○	○	○
	1400	○	○	○	○	○	○	○	○
	1600	—	○	○	○	—	○	○	○

COLOR



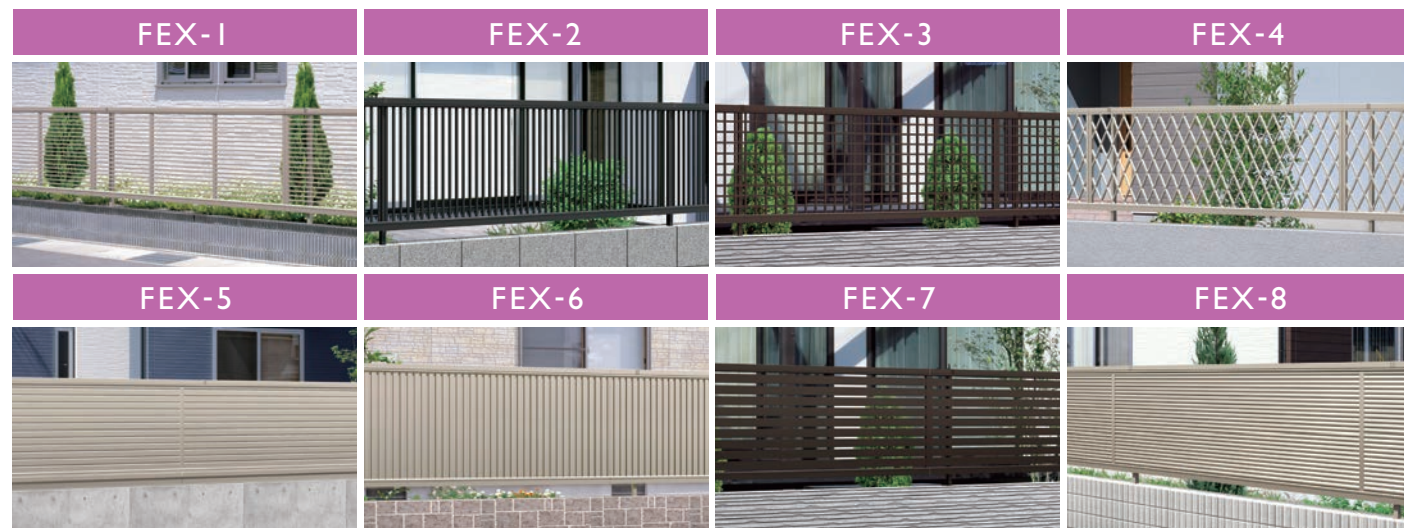
Dimension (mm)

	Height	Width							
		Single Gate				Double Gate			
		800	900	1000	1100	800×2	900×2	1000×2	1100×2
	1600	○	○	○	○	○	○	○	—
	1800	○	○	○	○	○	○	○	○
	2000	○	○	○	○	○	○	○	○

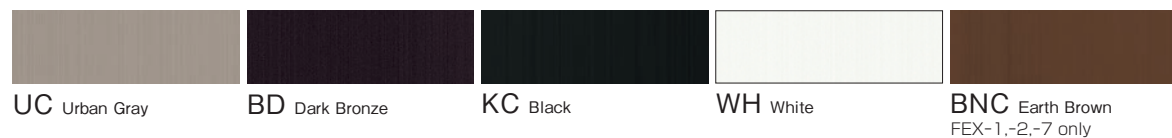




FEX-series



ALUMINIUM COLOR



Corner Connector



Rounded Lattice Type

Wing Lattice Type

Corner Joint

In-Between Post Corner



Corner Post

Free Post Type



In-Between Post

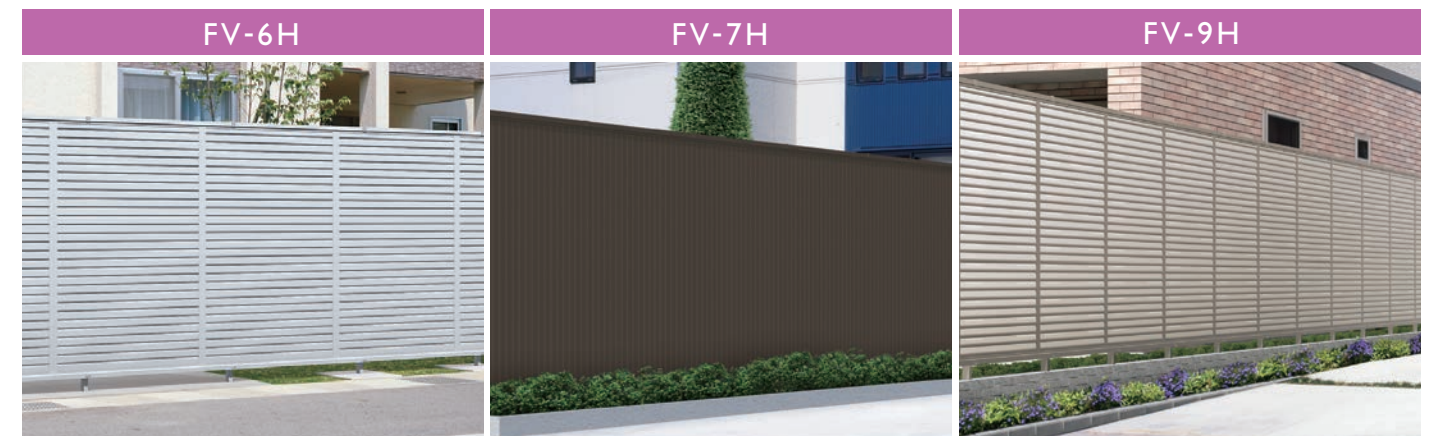


Dimension (mm)

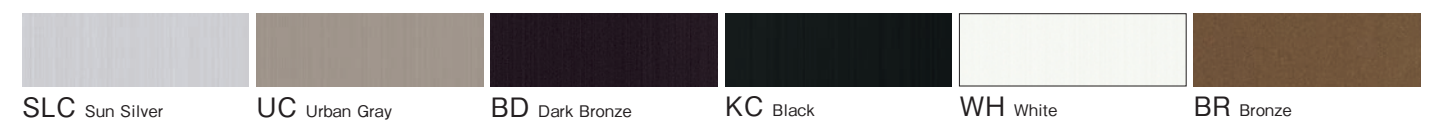
	Length	Height						
		Free Post				In-Between Post		
		600	800	1000	1200	600	800	1000
	1973	○	○	○	○	○	○	○



FV-series



ALUMINIUM COLOR



SIZE

2 different height are available and maximum height is 1600mm.



Dimension (mm)

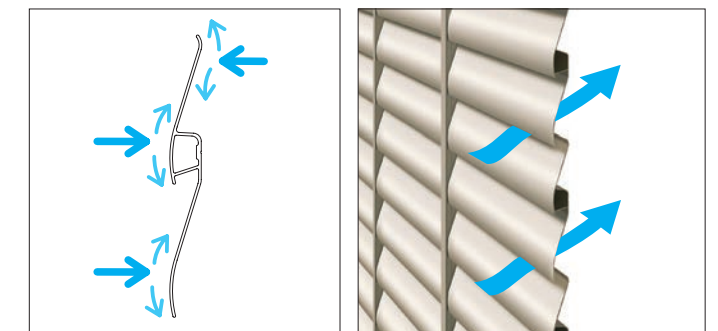
	Length	Height	
		Free Post	
		1400	1600
	1973	○	○

DESIGN

Our original "Premium Design & Engineering" (FV-9H fence)

Controlling wind hit by surface design and saving the noise.

FV-9H (louver type)



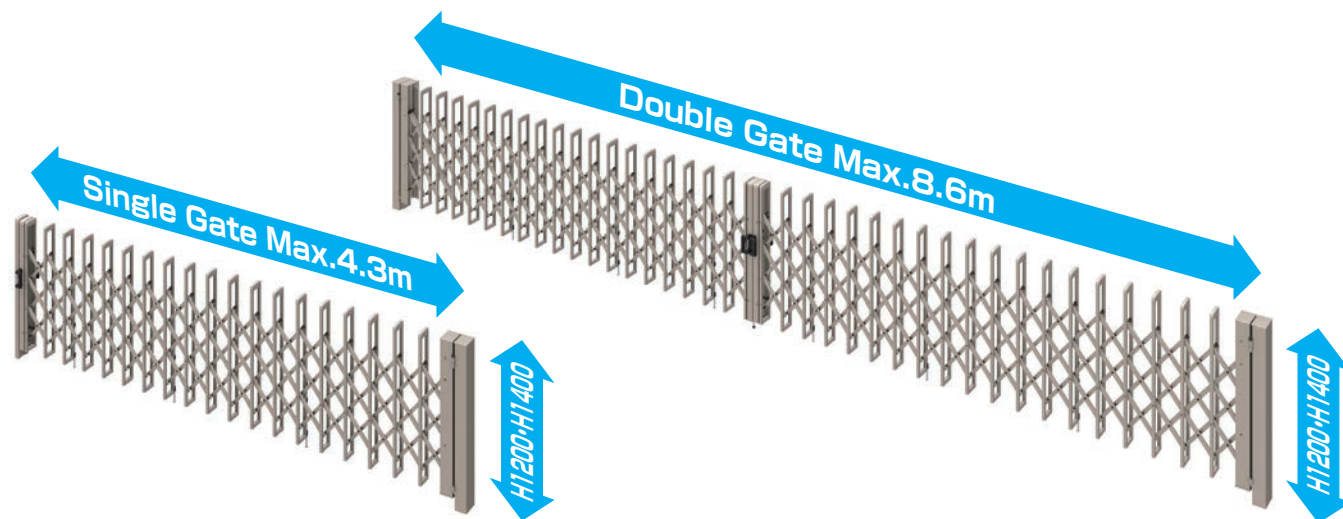
→ indicates wind flow



SIZE

Premium Feature: Non-Caster type
Maximum width 4.3m (single gate) and width 8.6m (double gate).

(5.0m max with caster for single and 10m max with caster for double)



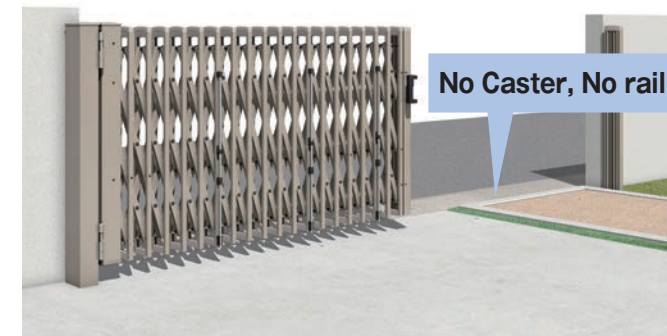
COLOR

aluminium type			laminate type			
SLC Sun Silver	UC Urban Gray	BD Dark Bronze	TP Trad Pine	UC Urban Gray	JC Orange Cherry	UC Urban Gray
			TPU		JCU	

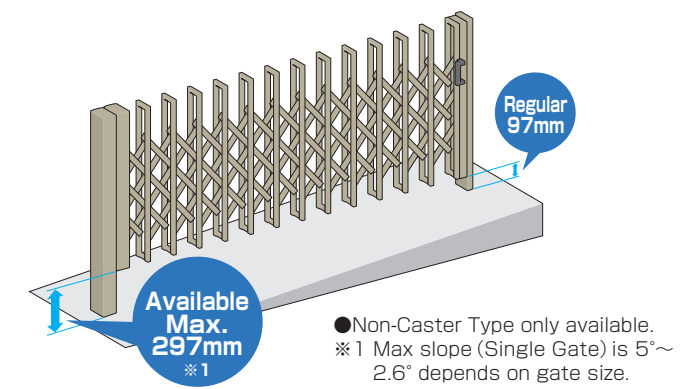
STRENGTH



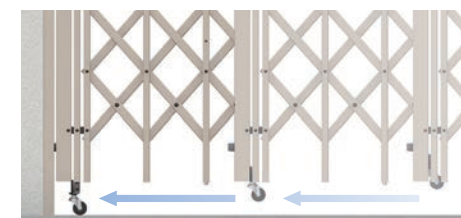
No Caster type, No required "flooring" nor "railing works".



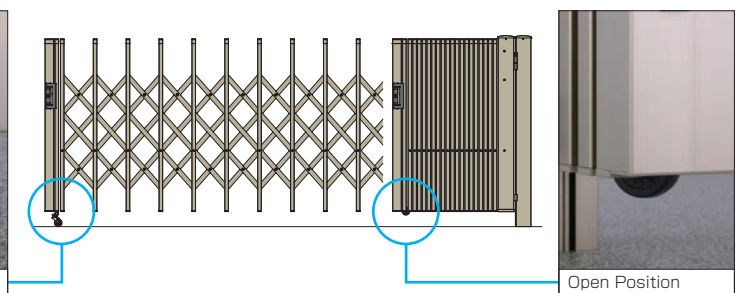
No Caster type, adjusting height & set up at sloped floor is available.



Caster type is available more wider width for W:5m single & W:10m double.

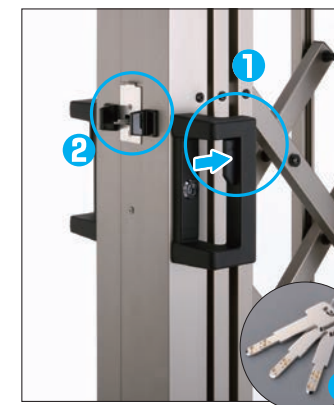


The caster is stored inside when it's open and automatically flip down+landing during close gate.



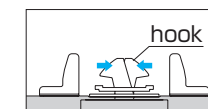
Handle

Universal Design Handle and Easy Operation.
Dimple key helps safety.

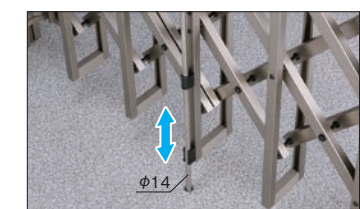


Point

- Grab handle and open in one action.
- Easy Docking when door close.
- Dimple key cylinder helps more safety.

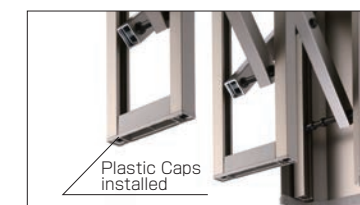


Down Stick-Lock



Easy lock & release action and Dia. 14mm stick helps reduce gate shaking.

Plastic Caps installed

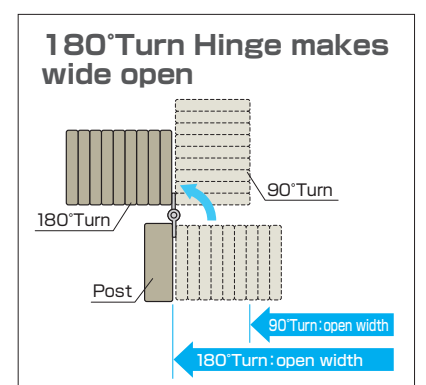
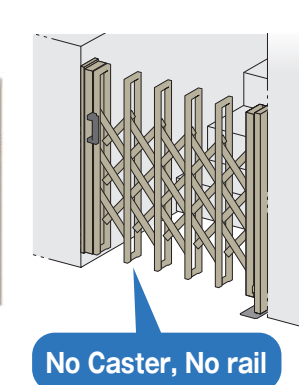
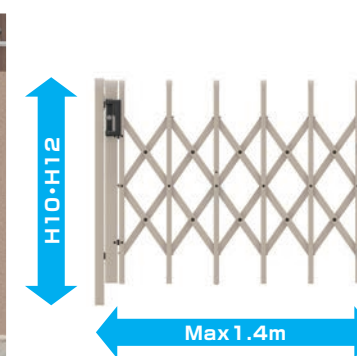


Shake Absorber Latch



Reduce shaking.

HGN-M "Mini Gate" Non Caster Type



Innovative Carport AERO SHADE SAE-series



Garden Terrace & Garden Room HAPPINA & SMALE



Carport

KJ-series Strong for stormy wind and heavy snow. Enjoy the season and weather all year around.



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ISO 9001
 ISO 14001



QS/EMCA
 RQ 2257, RE 0695

(Registration range) <http://www.exteriorworld.jp/english/>



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