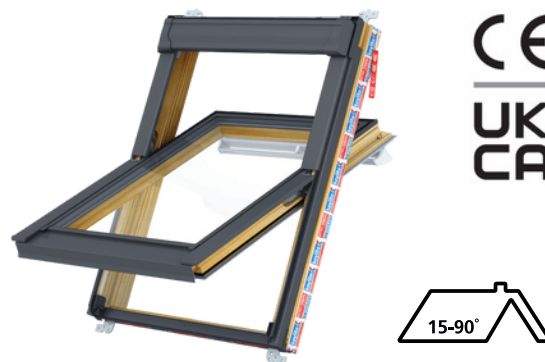


Centre Pivot Roof Window

Keylite's most versatile window, suitable for single or multiple applications in any roof with a pitch of 15° - 90°



Features

- ▶ **Flick-Fit Brackets** - Keylite's unique Flick-Fit brackets are prefitted so you can lift the window straight from the box to the roof and simply select the setting for tile or slate.
- ▶ **Sash Finger Springs** - The sash hinge finger spring allows the sash to be installed back into the frame in one smooth effortless motion.
- ▶ **Recessed Fit as Standard** - Every Keylite Roof Window is recessed as standard, sitting lower in the roof than ever before.
- ▶ **Integrated Thermal Collar** - Unlike other roof windows, Keylite's thermal collar is integrated into the frame. The collar is activated by simply pulling the release tabs for a fast insulation solution, combating cold bridging.
- ▶ **New Profile Hood** - Keylite's new hood features a more sculptured design, enhancing its appearance in the roof.
- ▶ **Click-Fit Hood** - Simply click the hood under the hood hooks and secure into position by clicking the hood in at each end. The cover flashings now require 50% fewer screws than before.
- ▶ **Warm Edge Glazing** - Every Keylite Roof Window now has a warm edge glazing unit as standard, to enhance the windows performance and reduce the occurrence of condensation.
- ▶ **All Weather Ventilation** - Keylite Roof Windows all provide trickle ventilation, even with the window fully closed and securely locked. The built in ventilation filter ensures no insects pass into the room, only clean fresh air.
- ▶ **Ventilation handle** - Keylite's slimline ventilation handle has a new contemporary style, designed to provide comfortable opening of both the window and the ventilation flap.
- ▶ **Thermal Insulation** - Keylite have engineered thermal blocks of insulation into the roof window to further enhance its performance and combat against cold bridging.

Application

- ▶ Keylite recommend installing the window so that the frame top is between 1.85 - 2.20m above the floor for ease of operation.
- ▶ For installation of roof windows above 2.2m
- ▶ Keylite also recommend electrical operation and a laminated inner safety pane.

Operation

- ▶ The Keylite centre pivot roof window is operated manually as standard, through the full width use of our ventilation handle.
- ▶ Electric operation is also available as an additional accessory.

Guarantee

- ▶ **10 Years** - Keylite's hassle free guarantee on windows and flashings.
- ▶ **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

Finish Options

- ▶ **Interior** - Pine (T)
White (W)
- ▶ **Exterior** - Grey
Conservation Black (CW)

Installation and Accessory Products

- ▶ **Flashings**
 - Single Installation:
 - Tile (TRF)
 - Deep Tile (DTRF)
 - Slate (SRF)
 - Plain Tile (PTRF)
 - Corrugated Roof (CRF)
 - Combination Installation:
 - Combi Tile (CTRF)
 - Combi Slate (CSRF)
 - Combi Plain Tile (CPTRF)
- ▶ **Additional Installation Products -**
 - Underfelt Collar (FC)
 - Vapour Collar (VC)
- ▶ **Accessories**
 - 2 metre window pole (WP2)
 - 3 metre window pole (WP3)
 - Solar Powered electric kit (KCS)
 - Premium electric kit (PEK)
 - Standard electric kit (SEK)
 - Opening restrictor (OR)
 - Security lock (SL)
- ▶ **Blinds**
 - Integral Blind (I)
 - Dim out Blind (D)
 - Black out Blind (B)
- ▶ **Bi-Lite Tile (BLTRF)**
- ▶ **Bi-Lite Slate (BLSRF)**
- ▶ **Quad Lite Tile (QLTRF)**
- ▶ **Quad Lite Slate (QLSRF)**





Window Sizes (WxH)	550x780	550x980	550x1180	660x1180	780x980	780x1180	780x1400	940x1400	940x1600	1140x1180	1340x980	1340x1400
Pine Finish												
Hi Therm Product Code	TCP 01 HT	TCP 02 HT	TCP 01C HT	TCP 03 HT	TCP 04 HT	TCP 05 HT	TCP 06 HT	TCP 07F HT	TCP 07 HT	TCP 08 HT	TCP 09 HT	TCP 10 HT
Triple Glazed Product Code	TCP 01 KTG	TCP 02 KTG	TCP 01C KTG	TCP 03 KTG	TCP 04 KTG	TCP 05 KTG	TCP 06 KTG	TCP 07F KTG	TCP 07 KTG	TCP 08 KTG	TCP 09 KTG	TCP 10 KTG
Argon Triple Glazed Product Code	TCP 01 ATG	TCP 02 ATG	TCP 01C ATG	TCP 03 ATG	TCP 04 ATG	TCP 05 ATG	TCP 06 ATG	TCP 07F ATG	TCP 07 ATG	TCP 08 ATG	TCP 09 ATG	TCP 10 ATG
White Finish												
Note: To order White Finish please add the prefix "W" to the code ie. WCP 04 HT.												

Thermal Performance

		Hi Therm [HT]	Triple [ATG]	Triple [KTG]	Integral [I]	Frosted [HT-FR]
Window U value	U _w [W/m²K]	1.3	1.1	1.0	1.4	1.3
Centre pane U value	U _g [W/m²K]	1.0	0.9	0.7	1.1	1.0

PSI Values

	W/m²K*
Roof Window Head	0.060
Roof Window Jamb	0.052
Roof Window Sill	0.059

* Based on a target Roof U-Value of 0.16 W/m².K

Glazing

Hi-Therm (HT) - Double glazed, toughened outer pane, argon gas filled cavity, laminated inner pane with enhanced noise reduction.

cavity, float centre pane, krypton gas filled cavity, laminated inner pane with enhanced thermal insulation.

Triple Glazed (ATG) - Triple glazed, toughened outer pane, argon gas filled cavity, float centre pane, argon gas filled cavity, laminated inner pane.

Integral (I) - Double glazed, toughened outer pane, argon gas filled cavity with integral blind, laminated inner pane.

Triple Glazed (KTG) - Triple glazed, toughened outer pane, krypton gas filled

Frosted (FR) - Double glazed, toughened outer pane, argon gas filled cavity, frosted float inner pane.

Note: Self-cleaning glass available upon request. For further information, please contact the Keylite technical team.

Maintenance

- ▶ The glazing pane of a Keylite Centre Pivot Roof Window can be cleaned with a soft, clean cloth/chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane. The sash can be rotated through 180° where the outer pane can become available for cleaning once locked in position using the plastic locking mechanism located along the top of the sash.

Glazing Option

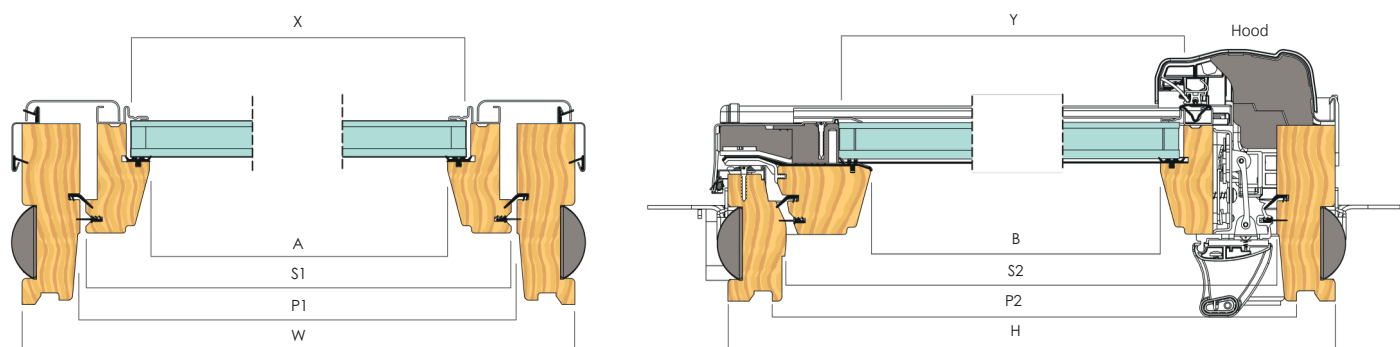
Glazing Option - Results			Hi Therm [HT]	Triple [ATG]	Triple [KTG]	Integral [I]	Frosted [FR]
UV	Transmittance	τ_{uv}	0.02	0.01	0.01	0.02	0.02
	Transmittance for standard illuminant D65	τ_v	0.76	0.69	0.64	0.76	0.76
Light	Reflectance for standard illuminant D65 (*)	ρ_v	0.15	0.18	0.21	0.17	0.15
	Reflectance for standard illuminant D65 (**)	ρ_v	0.17	0.19	0.23	0.15	0.17
	General colour rendering index	R _a	0.97	0.96	0.95	0.97	0.97
	Solar direct transmittance	τ_e	0.44	0.37	0.33	0.44	0.44
Energy	Solar direct reflectance (*)	ρ_e	0.35	0.34	0.41	0.36	0.35
	Solar direct absorption (*)	a	0.21	0.32	0.27	0.20	0.21
	Total solar energy transmittance (Solar Factor) EN410 (*)	g	0.54	0.50	0.44	0.49	0.54
	Shading coefficient (+g_DIN0.87)(*)	g	0.62	0.57	0.51	0.57	0.62
	Thermal conductance (U-Value W/M2K)	sc	1.0	0.9	0.6	1.1	1.0
	Sound transmittance	U _g	36	33	32	32	36
Sound		dB					

(*) Incident Radiation from the outside (**) Incident Radiation from the inside

Technical Information

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visible Glazing Size		Internal Reveal Size		Natural Daylight Area	Equivalent Ventilation Area	Structural Opening Size Required	
		(mm)		(mm)		(mm)		(mm)		(mm)		(m ²)	(mm ²)	(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
TCP	01	550	780	460	690	396	593	370	558	496	720	0.206	3,337	590	1020
TCP	02	550	980	460	890	396	793	370	758	496	920	0.280	3,337	590	1020
TCP	01C	550	1180	460	1090	396	993	370	958	496	1120	0.354	3,337	590	1220
TCP	03	660	1180	570	1090	506	993	480	958	606	1120	0.460	4,005	700	1220
TCP	04	780	980	690	890	626	793	600	758	726	920	0.455	4,733	820	1020
TCP	05	780	1180	690	1090	626	993	600	958	726	1120	0.575	4,733	820	1220
TCP	06	780	1400	690	1310	626	1213	600	1178	726	1340	0.707	4,733	820	1440
TCP	07F	940	1400	850	1310	786	1213	760	1178	886	1340	0.895	5,704	980	1440
TCP	07	940	1600	850	1510	786	1413	760	1378	886	1540	1.047	5,704	980	1640
TCP	08	1140	1180	1050	1090	986	993	960	958	1086	1120	0.920	6,917	1180	1220
TCP	09	1340	980	1250	890	1186	793	1160	758	1286	920	0.879	8,131	1380	1020
TCP	10	1340	1400	1250	1310	1186	1213	1160	1178	1286	1340	1.366	8,131	1380	1440
TCP	01F	550	1400	460	1310	396	1213	370	1178	496	1340	0.436	3,337	590	1440
TCP	01G	550	1600	460	1510	396	1413	370	1378	496	1540	0.510	3,337	590	1640
TCP	03A	660	780	570	690	506	593	480	558	606	720	0.268	4,005	700	820
TCP	03B	660	980	570	890	506	793	480	758	606	920	0.364	4,005	700	1020
TCP	03F	660	1400	570	1310	506	1213	480	1178	606	1340	0.565	4,005	700	1440
TCP	03G	660	1600	570	1510	506	1413	480	1378	606	1540	0.661	4,005	700	1640
TCP	04A	780	780	690	690	626	593	600	558	726	720	0.335	4,733	820	820
TCP	04G	780	1600	690	1510	626	1413	600	1378	726	1540	0.827	4,733	820	1640
TCP	07A	940	780	850	690	786	593	760	558	886	720	0.424	5,704	980	820
TCP	07B	940	980	850	890	786	793	760	758	886	920	0.576	5,704	980	1020
TCP	07C	940	1180	850	1090	786	993	760	958	886	1120	0.728	5,704	980	1220
TCP	08A	1140	780	1050	690	986	593	960	558	1086	720	0.536	6,917	1180	820
TCP	08B	1140	980	1050	890	986	793	960	758	1086	920	0.728	6,917	1180	1020
TCP	08F	1140	1400	1050	1310	986	1213	960	1178	1086	1340	1.131	6,917	1180	1440
TCP	08G	1140	1600	1050	1510	986	1413	960	1378	1086	1540	1.323	6,917	1180	1640
TCP	09A	1340	780	1250	690	1186	593	1160	558	1286	720	0.647	8,131	1380	820
TCP	09C	1340	1180	1250	1090	1186	993	1160	958	1286	1120	1.111	8,131	1380	1220
TCP	09G	1340	1600	1250	1510	1186	1413	1160	1378	1286	1540	1.598	8,131	1380	1640

Cross Section



GB

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Burton upon Trent, DE13 8FL

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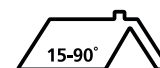
E: Technicalsupport@keylite.co.uk

NI & ROI

KG2, Ballyreagh Industrial Est. Sandholes
Road, Cookstown, Co. Tyrone, BT80 9DG

Polar Centre Pivot Roof Window

Keylite's most versatile window, suitable for single or multiple applications in any roof with a pitch of 15° - 90°



Features

- ▶ **Bright White** – Keylite's Polar range combines the bright finish of PVC to compliment the interior décor of the contemporary home. The white internal finish blends perfectly with white ceilings and walls to maximise the use of natural light within any room.
- ▶ **Moisture Resistant** – PVC's natural resistance to moisture enables the Keylite Polar Roof Window performs equally as brilliantly in a damp environment as it does in a dry one. This makes them ideal for every room including even the steamiest bathroom or kitchen.
- ▶ **Preservation Promise** – The Polar Roof Windows long life bright white finish is guaranteed through the use of only the most premium grade of PVC materials, ensuring that Polar remains essentially maintenance free with only the occasional rub with a damp cloth required to retain its appearance
- ▶ **Integrated Thermal Collar** - Unlike other roof windows Keylite's thermal collar is integrated into the frame. The collar is activated by simply pulling the release tabs for a fast insulation solution, combating cold bridging.
- ▶ **Flick-Fit Brackets** - Keylite's unique Flick-Fit brackets are prefitted so you can lift the window straight from the box to the roof and simply select the setting for tile or slate
- ▶ **Click-Fit Hood** - Simply click the hood under the clips and secure.
- ▶ **Recessed Fit as Standard** - Every Keylite roof window is recessed as standard, sitting lower in the roof than ever before.
- ▶ **Low Profile Hood** - Keylite's new hood has a lower profile and features a more sculptured design, enhancing its appearance in the roof.
- ▶ **Warm Edge Glazing** - Every Keylite roof window now has a warm edge glazing unit as standard, to enhance the windows performance and reduce the occurrence of condensation.
- ▶ **New improved ventilation handle** - Keylite's slimline ventilation handle has a new contemporary style, designed to provide comfortable opening of both the window and the ventilation flap.
- ▶ **All Weather Ventilation** - Keylite roof windows all provide trickle ventilation, even with the window fully closed and securely locked. The built in ventilation filter ensures no insects pass into the room, only clean fresh air.
- ▶ **Maintenance Free Hinge** - The hinge being the most vital component of the window, is the only operational part that moves. Keylite has eliminated the maintenance requirement of this component.
- ▶ **Sash Finger Springs** - The sash hinge finger spring allows the sash to be installed back into the frame in one smooth effortless motion.

Application

- ▶ Keylite recommend installing the window so that the frame top is between 1.85 - 2.20m above the floor for ease of operation.
- ▶ For installation of roof windows above 2.2m Keylite also recommend electrical operation and a laminated inner safety pane.

Operation

- ▶ The Keylite Polar centre pivot roof window is operated manually as standard, through the full width use of our ventilation handle, located along the top of the sash.
- ▶ Electric operation is also available as an additional accessory.
- ▶ All centre pivot Polar windows that are 1340mm wide and/or 1400mm long also have a bottom handle fitted as standard.

Guarantee

- ▶ **20 Years** - Keylite's hassle free guarantee on Polar centre pivot roof windows.*
- ▶ **10 Years** - Keylite's hassle free guarantee on flashings.
- ▶ **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

Finish Options

- ▶ **Interior** - White
- ▶ **Exterior** - Grey
Conservation Black (CW)

Installation and Accessory Products

- ▶ **Flashings** - Single Installation:
 - Tile (TRF)
 - Deep Tile (DTRF)
 - Slate (SRF)
 - Plain Tile (PTRF)
 - Corrugated Roof (CRF)
- Combination Installation:
 - Combi Tile (CTRF)
 - Combi Slate (CSRf)
 - Combi Plain Tile (CPTRF)
 - Bi-Lite Tile (BLTRF)
 - Bi-Lite Slate (BLSRF)
 - Quad Lite Tile (QLTRF)
 - Quad Lite Slate (QLSRF)
- ▶ **Additional Installation Products**
 - Underfelt Collar (FC)
 - Vapour Collar (VC)
- ▶ **Accessories**
 - 2 metre window pole (WP2)
 - 3 metre window pole (WP3)
 - Solar powered electric kit (SPEK)
 - Premium electric kit (PEK)
 - Standard electric kit (SEK)
 - Opening restrictor (OR)
 - Security lock (SL)
 - Integral Blind (I)
 - Dim
- ▶ **Blinds**
 - out Blind (D)
 - Black out Blind (B)



*For further details please visit keylitteroofwindows.com or contact the Keylite Technical Team.



Window Sizes (WxH)	550x780	550x980	550x1180	660x1180	780x980	780x1180	780x1400	940x1400	1140x1180	1340x980
Thermal Product Code	PCP 01 T	PCP 02 T	PCP 01C T	PCP 03 T	PCP 04 T	PCP 05 T	PCP 06 T	PCP 07F T	PCP 08 T	PCP 09 T
Hi Therm Product Code	PCP 01 HT	PCP 02 HT	PCP 01C HT	PCP 03 HT	PCP 04 HT	PCP 05 HT	PCP 06 HT	PCP 07F HT	PCP 08 HT	PCP 09 HT
Triple Glazed Product Code	PCP 01 KTG	PCP 02 KTG	PCP 01C KTG	PCP 03 KTG	PCP 04 KTG	PCP 05 KTG	PCP 06 KTG	PCP 07F KTG	PCP 08 KTG	PCP 09 KTG

Thermal Performance

		Thermal [T]	Hi Therm [HT]	Triple [KTG]	Frosted [T-FR]
Window U value	U _w [W/m²K]	1.3	1.3	0.9	1.3
Centre pane U value	U _g [W/m²K]	1.1	1.1	0.6	1.1

Glazing

Thermal (T) - Double glazed, toughened outer pane, argon gas filled cavity, float inner pane.

Hi-Therm (HT) - Double glazed, toughened outer pane, argon gas filled cavity, laminated inner pane with enhanced noise reduction.

Triple Glazed (KTG) - Triple glazed, toughened outer pane, krypton gas filled cavity, float centre pane, krypton gas filled cavity, float inner pane with enhanced sound and thermal insulation.

Frosted (FR) - Double glazed, toughened outer pane, argon gas filled cavity, frosted float inner pane.

Maintenance

- ▶ The glazing pane of a Keylite Polar Centre Pivot Roof Window can be cleaned with a soft, clean cloth/chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane.
- ▶ The sash can be rotated through 180° where the outer pane can become available for cleaning once locked in position using the plastic locking mechanism located along the top of the sash.

Note: Self-cleaning glass available upon request. For further information, please contact the Keylite technical team.

Glazing Option

Glazing Option - Results			Thermal [T]	Hi Therm [HT]	Triple [KTG]	Frosted [FR]
UV	Transmittance (%) Transmittance for standard illuminant	τ_{uv}	44	0	31	43
	D65 (%) Reflectance for standard illuminant D65 (%) (*)	τ_v	82	81	74	80
	Reflectance for standard illuminant D65 (%) (**)	ρ_v	12	12	16	12
	General colour rendering index (%)	ρ_v	12	12	16	12
	Solar direct transmittance (%)	R _a	98	98	97	96
Energy	Solar direct reflectance (%) (*)	τ_e	58	53	46	57
	Solar direct reflectance (%) (**)	ρ_e	28	28	33	27
	Solar direct absorption (%) (*)	ρ_e	27	23	32	26
	Total solar energy transmittance (Solar Factor) EN410 (%) (*)	ρ_e	27	23	32	26
	Shading coefficient (+g_DIN/0.87) (*)	a	14	19	21	14
		g	64	64	55	63
		sc	0.74	0.73	0.64	0.73

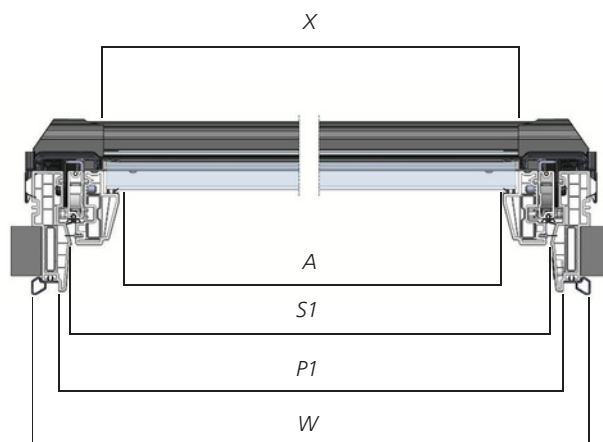
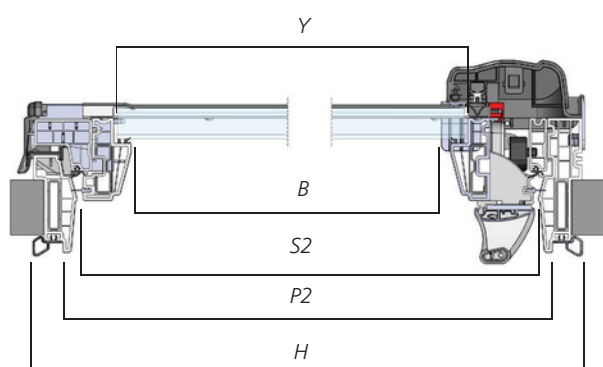
(*) Incident Radiation from the outside (**) Incident Radiation from the inside

Technical Information

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visable Glazing Size		Plasterboard		Natural Daylight Area	Equivalent Ventilation Area	OPENING SIZE REQUIRED	
		(mm)		(mm)		(mm)		(mm)		(mm)		(m²)	(mm²)	(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
PCP	01	550	780	466	696	396	593	370	567	492	722	0.210	3,337	590	820
PCP	02	550	980	466	896	396	793	370	767	492	922	0.284	3,337	590	1020
PCP	03	660	1180	576	1096	506	993	480	967	602	1122	0.464	4,005	700	1220
PCP	04	780	980	696	896	626	793	600	767	722	922	0.460	4,733	820	1020
PCP	05	780	1180	696	1096	626	993	600	967	722	1122	0.580	4,733	820	1220
PCP	06	780	1400	696	1316	626	1213	600	1187	722	1342	0.712	4,733	820	1440
PCP	07F	940	1400	856	1316	786	1213	760	1187	882	1342	0.902	5,704	980	1440
PCP	08	1140	1180	1056	1096	986	993	960	967	1082	1122	0.928	6,917	1180	1220
PCP	09	1340	980	1256	896	1186	793	1160	767	1282	922	0.890	8,131	1380	1020
PCP	10	1340	1400	1256	1316	1186	1213	1160	1187	1282	1342	1.377	8,131	1380	1440
PCP	01C	550	1180	466	1096	396	993	370	967	492	1122	0.358	3,337	590	1220
PCP	01F	550	1400	466	1316	396	1213	370	1187	492	1342	0.439	3,337	590	1440
PCP	03A	660	780	576	696	506	593	480	567	602	722	0.272	4,005	700	820
PCP	03B	660	980	576	896	506	793	480	767	602	922	0.368	4,005	700	1020
PCP	03F	660	1400	576	1316	506	1213	480	1187	602	1342	0.570	4,005	700	1440
PCP	04A	780	780	696	696	626	593	600	567	722	722	0.340	4,733	820	820
PCP	07A	940	780	856	696	786	593	760	567	882	722	0.431	5,704	980	820
PCP	07B	940	980	856	896	786	793	760	767	882	922	0.583	5,704	980	1020
PCP	07C	940	1180	856	1096	786	993	760	967	882	1122	0.735	6,917	980	1220
PCP	08A	1140	780	1056	696	986	593	960	567	1082	722	0.544	6,917	1180	820
PCP	08B	1140	980	1056	896	986	793	960	767	1082	922	0.736	6,917	1180	1020
PCP	08F	1140	1400	1056	1316	986	1213	960	1187	1082	1342	1.140	8,131	1180	1440
PCP	09A	1340	780	1256	696	1186	593	1160	567	1282	722	0.658	8,131	1380	820
PCP	09C	1340	1180	1256	1096	1186	993	1160	967	1282	1122	1.122		1380	1220

*Note: Ventilation figures are derived from the Timber Centre Pivot Roof Window which boasts a near identical window head construction and ventilation path.

Cross Section



GB

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