
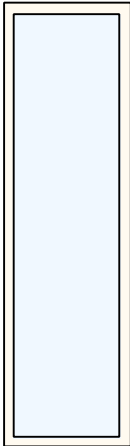
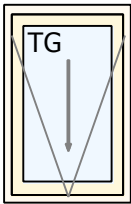
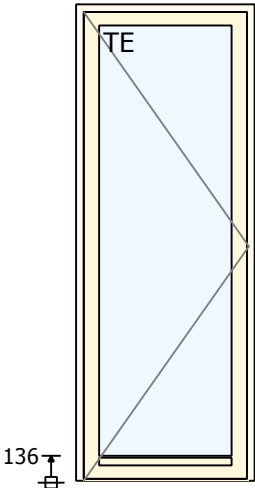
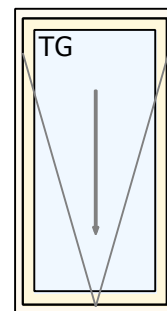


Lnr	Mrk	Qty	Description	Width× Height
005	W1	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 100 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,93W/m²K</p> <p>Weight 172 kg</p> <p>Mrk: W1</p> <p>Without ventilator</p> <p>Lam 2s w/SKN165/Matelux/LowE (LE) WES/Ar</p> <p>Construction 6,38*+10G+4#+10G+E6,38</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p>	<p>2248 × 1823mm</p> 
010	W2	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,79W/m²K</p> <p>Weight 69 kg</p> <p>Mrk: W2</p> <p>Without ventilator</p> <p>Lam Low E 2s WES/Ar</p> <p>Construction 6,38ES+16G+4+16G+ES6,38</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p>	<p>673 × 2323mm</p> 

Lnr	Mrk	Qty	Description	Width× Height
015	W3	1	<p>ND NTech Villa Topswing reversible</p> <p>NOBB 47546974</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,98W/m²K</p> <p>Weight 28 kg</p> <p>Mrk: W3</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Hoppe handle brushed aluminium (S)</p>	<p>673 × 1038mm</p> 
020	D2	1	<p>ND NTech Villa Balcony door (security)</p> <p>NOBB 47547057</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,87W/m²K</p> <p>Weight 107 kg</p> <p>Mrk: D2</p> <p>Left hinge</p> <p>Without ventilator</p> <p>Outward opening sidehinged door leaf</p> <p>Lam Low E 2s WES/Ar</p> <p>Construction 6,38ES+16G+4+16G+ES6,38</p> <p>Threshold 25 mm</p> <p>Panel height 136 mm</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Hoppe with external cylinder</p> <p>Casementstay (FIX 150) (door)</p>	<p>948 × 2498mm</p> 

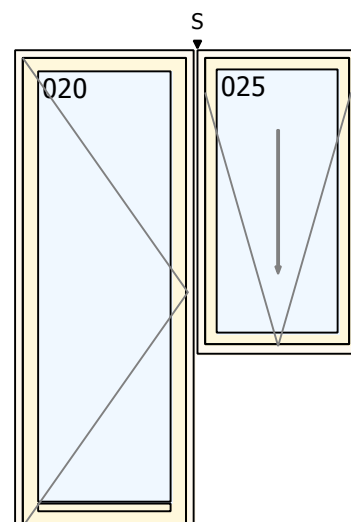
Lnr	Mrk	Qty	Description
025	D2	1	<p>ND NTech Villa Topswing reversible</p> <p>NOBB 47546974</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,88W/m²K</p> <p>Weight 60 kg</p> <p>Mrk: D2</p> <p>Without ventilator</p> <p>Outward opening topleading reversible sash</p> <p>Lam Low E 2s WES/Ar</p> <p>Construction 6,38ES+16G+4+16G+ES6,38</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Hoppe handle brushed aluminium (S)</p> <p>Note (only for customer):</p> <p>W4</p>

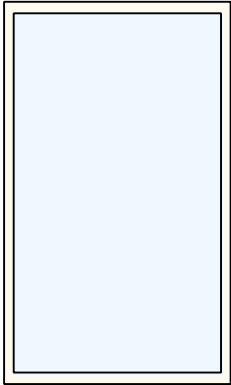
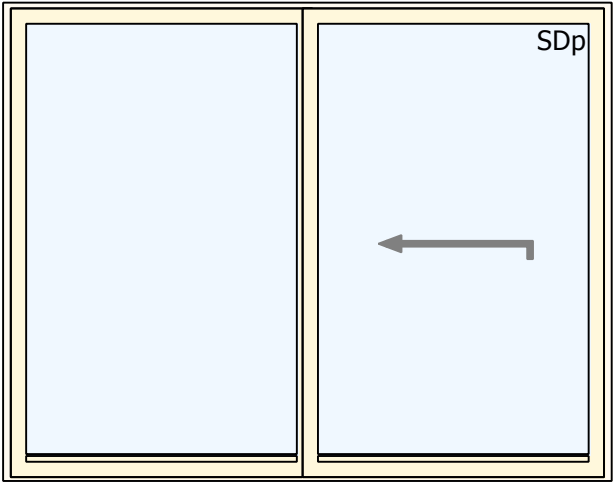
Width× Height
848 × 1588mm



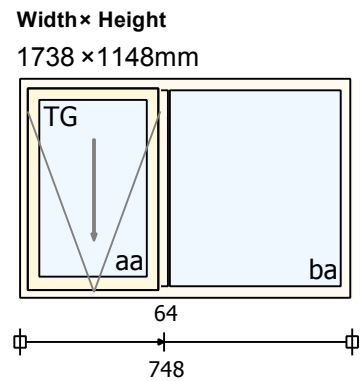
026	D2	1	<p>Coupling</p> <p>NOBB 51264163</p> <p>S: Mounted on building site</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p>
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1798 × 2498mm

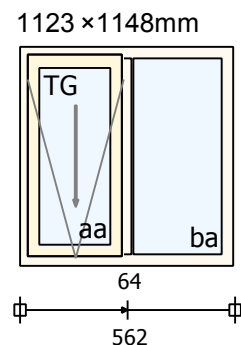


Lnr	Mrk	Qty	Description	Width× Height
030	W5	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,72W/m²K</p> <p>Weight 103 kg</p> <p>Mrk: W5</p> <p>Without ventilator</p> <p>Lam Low E 2s WES/Ar</p> <p>Construction 6,38ES+16G+4+16G+ES6,38</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p>	<p>1198 × 1998mm</p> 
035	D03	1	<p>ND NTech Patio door</p> <p>NOBB 47547076</p> <p>Construction 105/80, 172 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,79W/m²K</p> <p>Weight 292 kg</p> <p>Mrk: D03</p> <p>Right door leaf primary</p> <p>Without ventilator</p> <p>Lifting sliding door leaf</p> <p>Toughened LowE 2s WES/Ar</p> <p>Construction 4ES#+16G+4+16G+#ES4</p> <p>Threshold 25 mm</p> <p>Panel height 136 mm</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Patio door: Glass sent loose</p> <p>Hoppe with external cylinder</p>	<p>3178 × 2498mm</p> 

Lnr	Mrk	Qty	Description
040	W6	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 63 kg</p> <p>Mrk: W6</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E WES/Ar</p> <p>Construction 6+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>

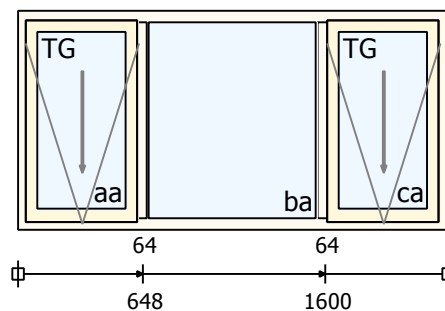


045	W7	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 48 kg</p> <p>Mrk: W7</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>
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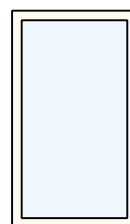
Lnr	Mrk	Qty	Description
050	W8	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 94 kg</p> <p>Mrk: W8</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>c.: Hoppe handle brushed aluminium (S)</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>

Width× Height
2248 × 1148mm



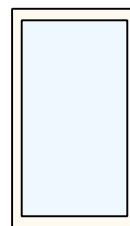
055	W9	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,85W/m²K</p> <p>Weight 28 kg</p> <p>Mrk: W9</p> <p>Without ventilator</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Note (only for customer):</p> <p>W10</p>
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673 × 1148mm



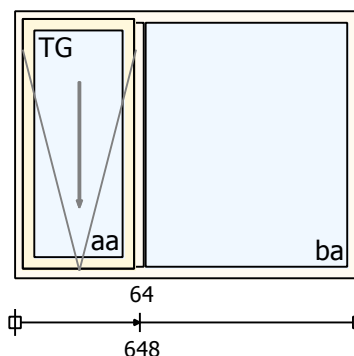
Lnr	Mrk	Qty	Description
056	W10	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,85W/m²K</p> <p>Weight 28 kg</p> <p>Mrk: W10</p> <p>Without ventilator</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p> <p>Note (only for customer):</p> <p>W10</p>

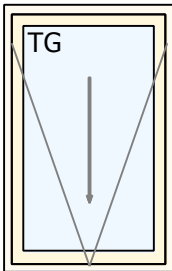
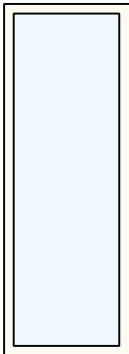
Width× Height
673 × 1148mm



060	W11	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 88 kg</p> <p>Mrk: W11</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>
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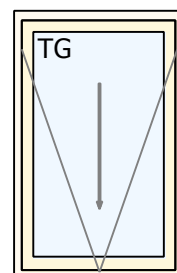
1798 × 1398mm



Lnr	Mrk	Qty	Description	Width× Height
065	W12	1	<p>ND NTech Villa Topswing reversible</p> <p>NOBB 47546974</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,89W/m²K</p> <p>Weight 46 kg</p> <p>Mrk: W12</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Matelux w/Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4#+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p> <p> Hoppe handle brushed aluminium (S)</p> <p>Note (only for customer):</p> <p>W14</p>	<p>898 × 1398mm</p> 
070	W13	1	<p>ND NTech Villa Fixed frame</p> <p>NOBB 47543466</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,81W/m²K</p> <p>Weight 55 kg</p> <p>Mrk: W13</p> <p>Without ventilator</p> <p>Lam Low E 2s WES/Ar</p> <p>Construction 6,38ES+16G+4+16G+ES6,38</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p>	<p>673 × 1843mm</p> 

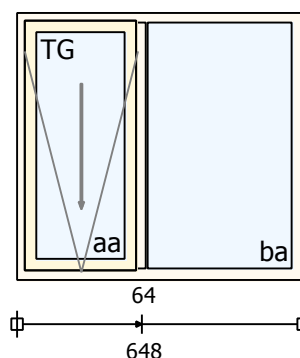
Lnr	Mrk	Qty	Description
071	W14	1	<p>ND NTech Villa Topswing reversible</p> <p>NOBB 47546974</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: 0,89W/m²K</p> <p>Weight 46 kg</p> <p>Mrk: W14</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Matelux w/Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4#+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p> <p> Hoppe handle brushed aluminium (S)</p> <p>Note (only for customer):</p> <p>W14</p>

Width× Height
898 × 1398mm

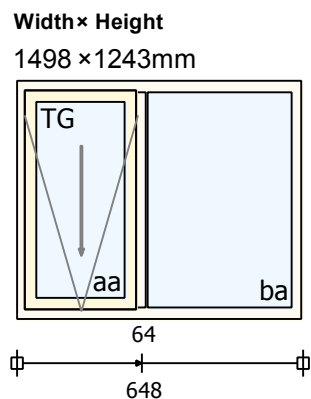


075	W15	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 74 kg</p> <p>Mrk: W15</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p> Wallside frame finished</p> <p> No sub frame groove</p> <p> No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>
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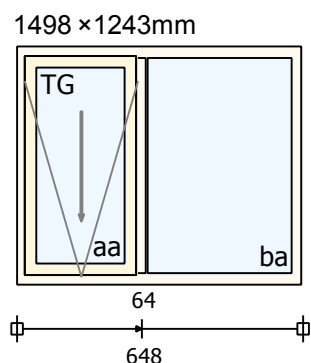
1498 × 1398mm



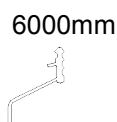
Lnr	Mrk	Qty	Description
080	W16	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 67 kg</p> <p>Mrk: W16</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Note (only for customer):</p> <p>W17</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>



081	W17	1	<p>ND NTech Villa Fixed frame w/sash</p> <p>Construction 105/80, 113 mm frame incl. 8 mm alum.</p> <p>U-value product: No performance declared</p> <p>Weight 67 kg</p> <p>Mrk: W17</p> <p>Without ventilator</p> <p>Outward opening topswing reversible sash</p> <p>Low E 2s WES/Ar</p> <p>Construction 4ES+16G+4+16G+ES4</p> <p>Aluminium cladded</p> <p>Product Unspecified colour</p> <p>Surface finishing</p> <p>Product Unspecified colour</p> <p>Details:</p> <p>Wallside frame finished</p> <p>No sub frame groove</p> <p>No fixing holes</p> <p>Details (sash):</p> <p>a.: Hoppe handle brushed aluminium (S)</p> <p>Note (only for customer):</p> <p>W17</p> <p>Bar:</p> <p>64 = Solid transom/mullion</p>
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120	RAS	7	<p>Article RAS5407</p> <p>Surface finishing</p> <p>Product Unspecified colour</p>
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Lnr	Mrk	Qty	Description	Width× Height
992		1	Non standard finishing NOBB 26924910	

Averaged U-value: 0,84W/m²K

Products where shown "no performance declared" are not included in the overall averaged U-value.

Calculation of U-value in accordance to NS-EN ISO 10077-1, 10077-2 and the programme "Therm".

Centre U-value of glass is calculated in accordance to NS-EN 673.

The calculation methodology is independently quality assured by SINTEF Building and Infrastructure.