OUOTE 3092382



31406

Delivery address:

Our ref.....: EZI Your ref....: James Page: 1

CARLSON & COMPANY LTD. CALMOUNT PARK, BALLYMOUNT

Reqv. No....: JSV/1605/8960

DUBLIN 12, IRELAND 0000 Ireland

00353-1-4625777

Subject.....: Clonlea Lodge A

Week of ship .:

Day of ship ..:

Date....: 23-06-2016

Serie....: Rev..... 1

Please note: All our drawings are seen from the outside

The following quotation is for Outline HORIZONT ENERGY standard profiles and hinging mechanisms.

FRAME TREATMENT WOOD.. Ral 9010 Pure White ALL SASHES

SASH TREATMENT WOOD... Ral 9010 Pure White

FRAME TREATMENT ALU... Ral 7016 Anthracite grey (Gloss 30)

SASH TREATMENT ALU.... Ral 7016 Anthracite grey (Gloss 30)

No's Unit Description: Width x height EUR/each Total

5KVDU3-3F1-~ 1 pcs window door

2248 x 1823

*,**

W01

Uw: 1.00 W/m2K Ew: -16.5 kWh/m2 LT: 73 % g: 50 % Glasandel: 75 %

Modelareal: 4.10 m2 Weight: 180 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Windows door w/security espagn. w/brakes L/OUT SASH3 OPERATION...... Windows door w/security espagn. w/brakes R/OUT

SASH : 1,3

AREA1 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-12-4-12/3/

SASH : 2

AREA1 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-10-4-10-3/ ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1 ACCESSORIES...... Conc. R/Jamb Alu/Grey Clickvent 40 /AREA 3

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0

Window door with friction brake

and standard window handle.

Handle placement - 1000mm from bottom



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject.....: Clonlea Lodge A

Date: 23-06-2016 Page: 2

Width x height EUR/each Total Pos Type No's Unit Description: Transport 2 5KDU2-2F1-1~ 1 pcs Træ/Alu Dørparti Energy 3-lags m/tapstk 1498 x 2398 *,** *,** D01 Uw: 1.08 W/m2K LT: 73 % g: 50 % Glasandel: 47 % Modelareal: 3.59 m2 Weight: 138 kg PROFILE SYSTEM..... Classic o/out alu threshold SASH1 OPERATION...... 4 point espagnolette, friction brake, Lock L/OUT SASH2..... Classic o/out,alu threshold FRAME P-MESS1..... 978.0 mm. SASH : 1-2 SASH P-MESS2..... 741.0 mm. SASH: 1 AREA2 CONTENTS...... 40mm Raised alu/ Raised hdf AREA4 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-12-4-12/3/ SASH: 2 AREA2 CONTENTS...... 36 mm Raised alu/ Raised hdf SASH : 2 AREA3 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-10-4-10-3/ ACCESSORIES...... Db.Terrace door handle Cyl/Thumbturn SAA /AREA $\,$ 1 Terrace door with FIX espagnolette. With friction brake. Hole for handle/cylinder (accessories) _____ _____ 5FK1-1 1 pcs Horizont Fixed frame Energy 3-Layers 673 x 2273

W02 Uw: 1.01 W/m2K Ew: -11.7 kWh/m2 LT: 73 % g: 50 % Glasandel: 81 % Modelareal: 1.53 m2 Weight: 71 kg PROFILE SYSTEM..... Classic w/out window board groove SASH: 1

AREA1 CONTENTS...... Lam Low-e/Float/Lam Low-e 3/3-10-4-10-3/



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject....: Clonlea Lodge A

Date: 23-06-2016 Page: 3

Pos Type No's Unit Description: Width x height EUR/each Total

Transport

5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers

673 x 998



W03

*,**

Uw: 1.15 W/m2K Ew: -47.8 kWh/m2 LT: 74 % g: 53 % Glasandel: 54 % Modelareal: 0.67 m2 Weight: 27 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Sidehung on reflex w/security espagn.M3 L/OUT

SASH: 1

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

SASH: 2

AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4

MULLION1 XK...... 378.0 mm.

ACCESSORIES........... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0 $\,$

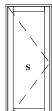
5 5DI1-1



1 pcs Horizont Door Energy 3-layers

948 x 2398

*,**



D02

Uw: 1.04 W/m2K LT: 73 % g: 50 % Glasandel: 58 %

Modelareal: 2.27 m2 Weight: 102 kg

PROFILE SYSTEM..... Classic o/in, alu threshold

SASH1 OPERATION...... 4 point espagnolette, friction brake, Lock R/IN

SASH: 1

AREA2 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-12-4-12/3/

ACCESSORIES...... Db.Terrace d.handle Cyl/Thumbturn SAA /AREA 1

NOTE! Frame in Softline profile, due to inward opening

construction.

Terrace door with FIX espagnolette.

With friction brake.

Hole for handle/cylinder (accessories)

6 5VU1-1

1 pcs Horizont Window Energy 3-Layers

673 x 998



W04

Uw: 1.01 W/m2K Ew: -30.8 kWh/m2

LT: 74 % g: 53 % Glasandel: 58 %

Modelareal: 0.67 m2 Weight: 25 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Sidehung on reflex w/security espagn.M3 R/OUT

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

ACCESSORIES........... Conc. R/Jamb Alu/Grey Clickvent 40 /AREA 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0



Our ref.....: EZI

Reqv. No....: JSV/1605/8960 Subject....: Clonlea Lodge A

Date: 23-06-2016 Page: 4 Pos Type No's Unit Description: Width x height EUR/each Total Transport 7* 5FK1-1 1198 x 1998 *,** *,** 1 pcs Horizont Fixed frame Energy 3-Layers W05 Uw: 0.96 W/m2K Ew: -1.1 kWh/m2 LT: 73 % g: 50 % Glasandel: 87 % Modelareal: 2.39 m2 Weight: 108 kg S PROFILE SYSTEM..... Classic w/out window board groove AREA1 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-10-4-10-3/ 5HSK2-1-1-V 1 pcs Horizont Sliding d. L sash going Energy 3283 x 2398 *,** *,** D03 Uw: 0.95 W/m2K LT: 74 % g: 53 % Glasandel: 72 % S Modelareal: 7.87 m2 Weight: 280 kg PROFILE SYSTEM..... Classic o/out, hardwood threshold, master ACCESSORIES..... Handle inside, fingergrip outside SAA /AREA 1 SASH2...... Classic o/out, hardwood threshold, fixed SASH : 1-2 AREA2 CONTENTS...... Thg Low-e/Fl/Thg Low-e 4-14-4-14-4 *** Door slides on the outside *** *** Side frames are always Softline *** ************ NOTICE! Hardwood threshold without aluclad. The aluclad on side frames and mullions stops by the top of hardwood threshold. ______ 1738 x 998 *,** 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers W06 Uw: 0.95 W/m2K Ew: -8.6 kWh/m2 LT: 74 % g: 53 % Glasandel: 74 % Modelareal: 1.73 m2 Weight: 62 kg PROFILE SYSTEM..... Classic with window board groove SASH1 OPERATION...... Sidehung on reflex w/security espagn.M3 L/OUT SASH: 1 AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4 SASH: 2 AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4 MULLION1 XK..... 700.0 mm. ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1 ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0 $\,$ Transport



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject....: Clonlea Lodge A

Date: 23-06-2016 Page: 5

Pos Type No's Unit Description: Width x height EUR/each Total

Transport

10 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers

W07

1123 x 998

*,**

Uw: 1.02 W/m2K Ew: -22.5 kWh/m2

LT: 74 % g: 53 % Glasandel: 67 %

Modelareal: 1.12 m2 Weight: 42 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Sidehung on reflex w/security espagn.M3 L/OUT

SASH: 1

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

SASH: 2

AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0 $\,$

11

5KVU3-3F1-2~ 1 pcs Horizont Window Energy 3-layers

2248 x 998

W08

Uw: 0.98 W/m2K Ew: -16.0 kWh/m2

LT: 74 % g: 53 % Glasandel: 70 %

Modelareal: 2.24 m2 Weight: 81 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Sidehung on reflex w/security espagn.M3 L/OUT SASH3 OPERATION...... Sidehung on reflex w/security espagn.M3 R/OUT

SASH : 1,3

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

SASH : 2

AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1 ACCESSORIES...... Conc. R/Jamb Alu/Grey Clickvent 40 /AREA 3

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0

12 5VU1-1

2 pcs Horizont Window Energy 3-Layers

673 x 998

* * *

W09/10

Uw: 1.01 W/m2K Ew: -30.8 kWh/m2

LT: 74 % q: 53 % Glasandel: 58 %

Modelareal: 0.67 m2 Weight: 25 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION..... Sidehung on reflex w/security espagn.M3 L/OUT

SASH: 1

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA $\,$ 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0 $\,$



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject....: Clonlea Lodge A

Date: 23-06-2016 Page: 6 Pos Type No's Unit Description: Width x height EUR/each Total Transport 13* 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers 1798 x 1398 *,** *,** W11 Uw: 0.92 W/m2K Ew: -1.7 kWh/m2 LT: 74 % g: 53 % Glasandel: 78 % Modelareal: 2.51 m2 Weight: 88 kg PROFILE SYSTEM..... Classic with window board groove SASH1 OPERATION...... Sidehung on reflex w/security espagn.M7 L/OUT SASH : 1 AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4 SASH: 2 AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4 MULLION1 XK..... 700.0 mm. ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA $\,$ 1 ACCESSORIES...... Insect mesh for vent /AREA 0 ACCESSORIES...... Restrictor IPA 21230 - bottom sash /AREA 1 * Approved for fire escape * 1 pcs Horizont Window Energy 3-Layers 898 x 1398 *,** 14 5VU1-1 W12 Uw: 0.93 W/m2K Ew: -14.4 kWh/m2 LT: 72 % g: 52 % Glasandel: 68 % Modelareal: 1.26 m2 Weight: 45 kg PROFILE SYSTEM..... Classic with window board groove SASH1 OPERATION...... Topguided with espagnolette ${\it T/G}$ AREA1 CONTENTS..... Low-e/Satin/Low-e 4-14-4-14-4 ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1 ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0 673 x 1843 *,** 1 pcs Horizont Fixed frame Energy 3-Layers 15* 5FK1-1 W13 Uw: 1.02 W/m2K Ew: -13.3 kWh/m2 LT: 73 % q: 50 % Glasandel: 81 % Modelareal: 1.24 m2 Weight: 58 kg PROFILE SYSTEM..... Classic with window board groove \mathbf{S} AREA1 CONTENTS..... Lam Low-e/Float/Lam Low-e 3/3-10-4-10-3/ Transport



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject....: Clonlea Lodge A

Date: 23-06-2016 Page: 7

Pos Type No's Unit Description: Width x height EUR/each Total

Transport

16* 5VU1-1 1 pcs Horizont Window Energy 3-Layers

898 x 1398 *,** *,**

W14

Uw: 0.93 W/m2K Ew: -14.4 kWh/m2 LT: 72 % g: 52 % Glasandel: 68 % Modelareal: 1.26 m2 Weight: 45 kg

PROFILE SYSTEM..... Classic with window board groove SASH1 OPERATION...... Topguided with espagnolette ${\it T/G}$

SASH : 1

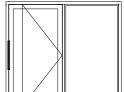
W15

AREA1 CONTENTS..... Low-e/Satin/Low-e 4-14-4-14-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0

1498 x 1398 *,** 17 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers



Uw: 0.94 W/m2K Ew: -7.1 kWh/m2

LT: 74 % q: 53 % Glasandel: 75 %

Modelareal: 2.09 m2 Weight: 74 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION..... Sidehung on reflex w/security espagn.M7 L/OUT

SASH: 1

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

AREA1 CONTENTS..... Low-e/Float/Low-e 4-12-4-12-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA $\,$ 1

ACCESSORIES..... Insect mesh for vent /AREA 0

ACCESSORIES...... Restrictor IPA 21230 - bottom sash /AREA 1

* Approved for fire escape *

18* 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-layers



W16

1498 x 1243

*,**

Uw: 0.95 W/m2K Ew: -9.0 kWh/m2 LT: 74 % g: 53 % Glasandel: 74 %

Modelareal: 1.86 m2 Weight: 66 kg

PROFILE SYSTEM..... Classic with window board groove

SASH1 OPERATION...... Sidehung on reflex w/security espagn.M7 L/OUT

SASH: 1

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

SASH: 2

AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4

ACCESSORIES...... Conc. L/Jamb Alu/Grey Clickvent 40 /AREA 1

ACCESSORIES...... Insect mesh for vent /AREA $\,$ 0

ACCESSORIES...... Restrictor IPA 21230 - bottom sash /AREA $\,$ 1

20



Our ref....: EZI

Reqv. No....: JSV/1605/8960 Subject.....: Clonlea Lodge A

TOT.

Date: 23-06-2016 Page: 8

Pos Type No's Unit Description: Width x height EUR/each Total

Transport

* Approved for fire escape *

1498 x 1243 *,**

19 5KVU2-2F1-1~ 1 pcs Horizont Window Energy 3-Layers

W17

Uw: 0.95 W/m2K Ew: -9.0 kWh/m2 LT: 74 % g: 53 % Glasandel: 74 %

Modelareal: 1.86 m2 Weight: 66 kg

PROFILE SYSTEM..... Classic with window board groove

SASH2 OPERATION...... Sidehung on reflex w/security espagn.M7 R/OUT

SASH: 1

AREA1 CONTENTS...... Low-e/Float/Low-e 4-12-4-12-4

SASH: 2

AREA1 CONTENTS..... Low-e/Float/Low-e 4-14-4-14-4

ACCESSORIES...... Conc. R/Jamb Alu/Grey Clickvent 40 /AREA 2

ACCESSORIES...... Insect mesh for vent /AREA 0

For inward opening doors, situations can arise where water

can penetrate due to massive wind pressure caused by extreme weather conditions.

This order will be produced with FSC certified timber. 21

> Curved, Panels and Plankdoors are not FSC certified.

Certifikation: FSC Mixed 70% - SW-COC-003340

Total units: 20 (1608 Kg.) (30.2 length meters)

Average U-value: 0.98 W/m²K

Total circumference: 113.21 m bottom frame: 26.41 m

The quotation will be valid for 30 days from today's date.

Salgs-& leveringsbetingelser ses på www.vinduesindustrien.dk TOTAL/EUR



Energy calculation - Data overview

Pos	Model									Eref Cl.
1	5KVDU3-3F1-2R1-1-01									
2	5KDU2-2F1-1R1-TL2-01	1	3.59		1.08	0.23	0.73	0.50	0.47	
3	5FK1-1	1	1.53 -11	1.7	1.01	0.41	0.73	0.50	0.81	
4	5FK1-1 5KVU2-2F1-1R1-1-01	1	0.67 - 47	7.8	1.15	0.29	0.74	0.53	0.54	
	5DI1-1	1	2.27		1.04	0.29	0.73	0.50	0.58	
6	Fr == 1 1	- 1	0 (17)		1.01	0.31	0.74	0.53	0.58	
7	5FK1-1	1	2.39 -1	1.1	0.96	0.44	0.73	0.50	0.87	
8	5V01-1 5FK1-1 5HSK2-1-1-V 5KVU2-2F1-1R1-1-01	1	7.87		0.95	0.38	0.74	0.53	0.72	
9	5KVU2-2F1-1R1-1-01	1	1.73 -8	8.6	0.95	0.39	0.74	0.53	0.74	
10	5KVU2-2F1-1R1-1-01	Τ.	1.12 -22	2.5	1.02	0.36	0.74	0.53	0.67	
11	5KVU3-3F1-2R1-1-01	1	2.24 -16	5.0	0.98	0.37	0.74	0.53	0.70	
12	5VU1-1	2	1.34 -30	8.0	1.01	0.31	0.74	0.53	0.58	
13	5VU1-1 5KVU2-2F1-1R1-1-01	1	2.51 -1	1.7	0.92	0.41	0.74	0.53	0.78	
14	5VU1-1	1	1.26 - 14	4.4	0.93	0.36	0.72	0.52	0.68	
15	5FK1-1 5VU1-1	1	1.24 -13	3.3	1.02	0.40	0.73	0.50	0.81	
16	5VU1-1	1	1.26 -14	4.4	0.93	0.36	0.72	0.52	0.68	
17	5KVU2-2F1-1R1-1-01	1	2.09 -7	7.1	0.94	0.40	0.74	0.53	0.75	
18	5KVU2-2F1-1R1-1-01	1	1.86 -9	9.0	0.95	0.39	0.74	0.53	0.74	
19	5KVU2-2F1-1R2-1-01	1	1.86 -9	9.0	0.95	0.39	0.74	0.53	0.74	
TOTAL/Average:		20	41.63 -16	 5.8	0.98	0.36	0.73	0.52	0.69	

Ew = Energy gain for the window in its current size and form (kWh/m2)

CVR: DK-2918 9 110

Bank: Nordea
Konto: 2214-8477972226
BiC/Swift: NDEADKKK
Iban: DK6220008477972226

 $[\]mbox{Uw} = \mbox{Dark U-Value $(W/m2k)$.} \mbox{ Heat loss of the window (night)}$

Gw = Share of total solar energy passing through the window and into the building

LT = Light transmittance. Share of visible sunlight passing through the glass and into the building

Gg = Share of total sunlight passing through the glass and into the building

Ff = Glass portion. Visible glass compared to the total size of the window

Eref = Energy balance for reference window. Cl. = Eref Class