

Droporty Poforopoo	5020 F	N=+ 44						lecu	od on D	ata	40/04	2022
Property Reference	5832 F				1 -	_		ISSU	ied on D	ale	19/04/	2023
Assessment Reference	As Des	signed			Pro	р Туре	Ref					
Property												
SAP Rating			83 B	DER		3.3	5	$\overline{}$	TER		8.4	0
Environmental			96 A	% DER	< TER						60.	12
CO₂ Emissions (t/year)			0.6	DFEE		39.	31	$\overline{}$	TFEE		39.	41
Compliance Check			See BREL	% DFE	E < TFE						0.2	6
% DPER < TPER			20.59	DPER		34.	89		TPER		43.	
Assessor Details	Mr. Mark Ro	oberts							Asses	sor ID	P4	71-0001
Client												
SUMMARY FOR INPL	JT DATA FOI	R: New Build (As Designed)									
Orientation			North									
Property Tenture			ND					==				
Transaction Type			6					==				
Terrain Type			Suburban					==				
• •								==				
1.0 Property Type			House, Detached									
Which Floor			0									
2.0 Number of Storeys			3									
3.0 Date Built			2023									
4.0 Sheltered Sides			1									
5.0 Sunlight/Shade			Average or unknow	1								
6.0 Thermal Mass Parame	eter		Precise calculation									
Thermal Mass			N/A						kJ/m²K			
7.0 Electricity Tariff			Standard									
Smart electricity meter	fitted		Yes									
Smart gas meter fitted			Yes									
7.0 Measurements												
			Basemer Ground floo 1st Store 2nd Store 3rd Store 4th Store 5th Store 6th Store 7th Store	nt: or: y: y: y: y: y: y:	Loss P 0.00 r 41.78 37.95 25.66 0.00 r 0.00 r 0.00 r 0.00 r	m m m m n n	er in	0.0 84.6 74.9 29.5 0.0 0.0 0.0	Floor Are 0 m² 61 m² 66 m² 67 m² 60 m²	ea <i>l</i>	22 22 ((Storey Heig .000 m .442 m .688 m .32 m .000 m .000 m .000 m
8.0 Living Area			21.00						m²			
9.0 External Walls Description	Туре	Construction		U-Value	Kappa	Gross	Nett	Shelter	She	lter	Openings	Area Calcula
Plinth Brick Timber Garage Sheltered	Timber Frame Timber Frame Timber Frame Timber Frame	Timber framed wall (or Timber framed wall (or Timber framed wall (or	one layer of plasterboard) one layer of plasterboard) one layer of plasterboard) one layer of plasterboard)				1) Area (m²) 16.31 47.83 90.03 17.63	Res 0.00 0.00 0.00 0.70	Noi Noi Noi Garage S Insi	ne ne ne Single 1	0.00 25.99 16.60 0.00	Type Enter Gross A Enter Gross A Enter Gross A Enter Gross A
9.2 Internal Walls Description		Construct									Kap (kJ/m	²K)
GF FF SF		Plasterboa	rd on timber frame rd on timber frame rd on timber frame								9.0 9.0 9.0	0 180.4
10.0 External Roofs												
Description	Туре	Construction					Gross Area(m²)			Shelte Facto		ationOpeni oe
Sloped	External Slop Roof	e Plasterboard,	insulated slope	C).15	9.00	48.40	(m²) 3.82	None	0.00	Enter (

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Plane	External Plane Roof	Plasterbo	oard, insu	lated at ceilino	g level	0.09	9.00 3	6.21 0.0	00	None	0.00		Gross ea	0.00
10.2 Internal Ceilings Description GF FF		Storey Lowest occi +1	upied I	Construction Plasterboard o									74	(m²) .96 .96
11.0 Heat Loss Floors Description	Туре	Storey Inde	.v. C	onstruction			U-V	aluo	Sho	lter Code		Shelter	Kanna	Area (m
Heatloss Floor 1	Ground Floor - Sol	-		uspended concret	te floor, carne	eted	(W/r 0.:	n²K)		None		Factor 0.00	(kJ/m²k 75.00	
I1.2 Internal Floors	Cround Floor Cor	14 20 4001 0001	apicu o	aspended control	to noor, ourpe					140110		0.00	70.00	04.01
Description		Storey	Constr	uction								Ka	рра	Area (m²
Internal Floor 1 Internal Floor 2		Index		board ceiling, board ceiling,								` 9	/ m²K) .00 .00	74.96 74.96
12.0 Opening Types														
Description	Data Source	Type		Glazing			Glazing Gap	Filling Type	G	i-value	Frame Type		ame ctor	U Value (W/m²K)
Windows	Manufacturer			Double Lo	w-E Soft 0	.05		Air Filled		0.63	Wood	0	.70	1.20
Doors Rooflight	Manufacturer Manufacturer			Double Lo	w-E Soft 0	.05		Air Filled Air Filled		0.00 0.63	Wood Wood		.70 .70	1.20 1.00
Half Glazed	Manufacturer	Half Glaz	ed Door	Double Lo	w-E Soft 0	.05		Air Filled		0.63	Wood	0	.70	1.20
3.0 Openings														
Name NE W Brick	Opening T Windows	уре		cation ick				tation ı East		Area (4.02			Pito 0	
NE W Timber	Windows		Tir	mber			North	East		8.33	3		0	
NE D Brick NE RL Slope	Doors Rooflight			ick oped				ı East ı East		1.97 0.64			0 30	
NW RL Slope	Rooflight			oped				West		1.9			48	
NW W Brick	Windows			ick				West		1.78			0	
NW DHG Brick SW W Brick	Half Glazed Windows	1		ick ick			North South	west West		1.9 ⁻ 8.0			0	
SW W Timber	Windows			mber				West		5.7	7		0	
SW RL Slope	Rooflight			oped ick				West		0.64			30 0	
SE W Brick SE W Timber	Windows Windows			nber				n East n East		8.2 ⁴ 2.5			0	
SE RL Slope	Rooflight			oped				East		0.64			48	
14.0 Conservatory			No	ne										
15.0 Draught Proofing			10	0						%				
16.0 Draught Lobby			No)										
17.0 Thermal Bridging			Ca	lculate Bridge	es									
17.1 List of Bridges														
Eridge Type E2 Other lintels (included as Sill) E4 Jamb E5 Ground floor (normed lintermediate floor windown as Jamb of roof wi	nal) within a dwelling ow		Indepe Indepe Indepe Indepe Table k Table k Indepe	e Type Indently assess	sed sed sed sed	Length 22.66 20.81 51.31 41.78 63.61 4.36 4.36 10.51 23.99 4.20	Psi 0.17 0.03 0.04 0.14 0.09 0.24 0.24 0.24 0.05 -0.01	0.17 0.03 0.04 0.14 0.09 0.24 0.24 0.24 0.05 -0.01	TF TF TF	Rada Rada Rada Rada G	:			Importe Yes Yes Yes Yes Yes Yes Yes Yes No No
external area) E11 Eaves (insulation E13 Gable (insulation				ndently assess		31.80 18.34	0.05 0.06	0.05 0.06		RADA RADA				No No
Y-value			0.0)7						W/m²K				
18.0 Pressure Testing			Ye	s										
Designed APso			3.7	75						m³/(h.m	²) @ 50	Pa		
Property Tested?			Ye	s										
Test Method			Blo	ower Door										
As Built AP ₅₀			0.	10						m³/(h.m	²) @ 50	Pa		
9.0 Mechanical Ventilat	ion													
Mechanical Ventilation	on													
Mechanical Vent	ilation System Pre	esent	Ye	s										
Approved Installa	ation		No)					Ī					
Mechanical Vent				ıtabase					╡					
Micchailleal Velil	auon data Type		טפ											

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Mechanical extract ventilation - decentralised Type MV Reference Number 500769 **Duct Type** Flexible MVHR Efficiency 0.00 7 Wet Rooms SFP from Installer Commissioning Certificate No 19.1 Mechanical extract ventilation - Decentralised Fan/Room Type Count 0.15 In Room Fan Kitchen 0.11 In Room Fan Other 6 Wet Room 0.00 In Duct Fan Kitchen 0 0.00 In Duct Fan Other Wet Room 0.11 Through Wall Fan Kitchen Through Wall Fan 0.09 Other Wet Room 20.0 Fans, Open Fireplaces, Flues No 21.0 Fixed Cooling System 22.0 Lighting No Fixed Lighting No **Efficacy** Power Capacity Count Lighting 1 95.71 24.0 Main Heating 1 Database 100.00 Percentage of Heat % Database Ref. No. 105744 Fuel Type Electricity 0 SAP Code 0.00 In Winter 0.00 In Summer Model Name WH-MDC09J3E5 Manufacturer Panasonic HVAC UK Ltd System Type Heat Pump 2207 Controls SAP Code No **Delayed Start Stat Burner Control** Modulating **HETAS** approved System No No Oil Pump Inside 0.00 FI Case Flue Type None or Unknown Fan Assisted Flue Is MHS Pumped Pump in heated space Heating Pump Age 2013 or later Heat Emitter Radiators and Underfloor **Underfloor Heating** Yes - Pipes in thin screed Flow Temperature Enter value 55.00 Flow Temperature Value **Boiler Interlock** No Combi boiler type No Combi None Combi keep hot type None 25.0 Main Heating 2

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26.0 Heat Networks		None		
28.0 Water Heating				
Water Heating		Main Heating 1		
SAP Code		901		
Flue Gas Heat Recovery System		No		
Waste Water Heat Recovery Instantaneo	us System 1	No		
Waste Water Heat Recovery Instantaneo	us System 2	No		
Waste Water Heat Recovery Storage System		No		
Solar Panel		No		
Water use <= 125 litres/person/day		Yes		
Summer Immersion	No			
Cold Water Source		From mains		
Bath Count		1		
Supplementary Immersion		No		
Immersion Only Heating Hot Water		Yes		
00.4.01				
28.1 Showers				
Description	Shower Type	e		wer Connected Connected To
	Shower Type Vented hot w Vented hot w Vented hot w Vented hot w	vater system vater system vater system	Flow Rate Rated Po [l/min] [kW] 7.00 7.00 7.00 7.00 7.00	
Description Bath Ensuite 1 Ens 2	Vented hot w Vented hot w Vented hot w	vater system vater system vater system	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower	Vented hot w Vented hot w Vented hot w	vater system vater system vater system	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system rater system Hot Water Cylinder	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system rater system Hot Water Cylinder Yes	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat Cylinder In Heated Space	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system rater system Hot Water Cylinder Yes Yes	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat Cylinder In Heated Space Independent Time Control	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system rater system rater system Hot Water Cylinder Yes Yes Yes	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat Cylinder In Heated Space Independent Time Control Insulation Type	Vented hot w Vented hot w Vented hot w	rater system rater system rater system rater system Hot Water Cylinder Yes Yes Measured Loss	[l/min] [kW] 7.00 7.00 7.00	No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat Cylinder In Heated Space Independent Time Control Insulation Type Cylinder Volume	Vented hot w Vented hot w Vented hot w	Hot Water Cylinder Yes Yes Measured Loss 240.00	[I/min] [kW] 7.00 7.00 7.00 7.00 7.00	No No No No
Description Bath Ensuite 1 Ens 2 Shower 28.3 Waste Water Heat Recovery System 29.0 Hot Water Cylinder Cylinder Stat Cylinder In Heated Space Independent Time Control Insulation Type Cylinder Volume Loss	Vented hot w Vented hot w Vented hot w	Hot Water Cylinder Yes Yes Measured Loss 240.00 1.58	[I/min] [kW] 7.00 7.00 7.00 7.00 7.00	No No No No

Recommendations

Conimientations

Lower cost measures

None

Further measures to achieve even higher standards

None

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