

Property Reference	5832 PI	lot 03						Issu	ed on Da	te 1	9/04/20	23	
Assessment Reference	As Desi		Prop Type Ref										
Property	IP9 1DV	N											
SAP Rating			83 B	DER		3.9	10		TER		8.74		
Environmental					R < TER	3.8	18		IEK				
1 1 1			96 A		(\ IER	40	20		TEEE		54.46		
CO ₂ Emissions (t/year)			0.35	DFEE	T	42	.82		TFEE		43.35		
Compliance Check % DPER < TPER			See BREL		E < TFE		0.4		TDED		1.22		
% DPER < IPER			11.14	DPER		41	.84		TPER		47.09		
Assessor Details	Mr. Mark Ro	berts							Assess	or ID	P471-	0001	
Client													
SUMMARY FOR INPL	JT DATA FOR	R: New Build ((As Designed)										
Orientation			South										
Property Tenture			ND										
Transaction Type			6										
Terrain Type			Suburban										
1.0 Property Type			Bungalow, Detached										
Which Floor			0										
2.0 Number of Storeys			1										
3.0 Date Built			2023										
4.0 Sheltered Sides			2										
5.0 Sunlight/Shade			Average or unknown										
6.0 Thermal Mass Parame	eter		Precise calculation										
Thermal Mass				N/A							kJ/m²K		
7.0 Electricity Toriff			Standard										
7.0 Electricity Tariff	fittad												
Smart gea mater fitted	iilleu		Yes										
Smart gas meter fitted			Yes										
7.0 Measurements			Basement Ground floor 1st Storey 2nd Storey 3rd Storey 4th Storey 5th Storey 6th Storey 7th Storey		1 Loss P 0.00 44.48 0.00 0.00 0.00 0.00 0.00	m m m m m m m m	er In	0.00 92.9 0.00 0.00 0.00 0.00 0.00	Floor Area) m ² 8 m ²) m ²	Ave	rage St 0.0 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 m 5 m 0 m 0 m 0 m 0 m 0 m	- leigh
8.0 Living Area			18.99						m²				
9.0 External Walls Description	Туре	Construction			Карра	Gross		Shelter	Shelte	r Ope	nings Aı		
Timber Frame Boarded Timber Frame Plinth	Timber Frame Timber Frame	Timber framed wall (c) Timber framed wall (c)	one layer of plasterboard) one layer of plasterboard) one layer of plasterboard) one layer of plasterboard)	(W/m²K) 0.15 0.15 0.15 0.15	9.00 9.00 9.00 9.00 9.00	Area(m 60.70 11.14 16.39 10.09	2) Area (m²) 35.84 9.05 16.39 10.09	Res 0.00 0.00 0.00 0.00	None None None	2	.09 Ei	nter Gro	pe oss Area oss Area oss Area oss Area
9.2 Internal Walls													
Description		Construct	ion							(Kappa kJ/m²K		ea (m²
GF Timber Frame		Plasterboa	rd on timber frame								9.00	15	58.23
10.0 External Roofs Description	Туре	Construction		U- (W	·Value <i>l</i> //m²K)(k	Kappa J/m²K'	Gross Area(m²)	Nett Area	Shelter S		alculati Type	onOp	ening
Flat Ceiling	External Plane	e Plasterboard,	insulated at ceiling leve		0.11	9.00	92.98	(m²) 0.00	None	0.00 E	•	ss	0.00
11.0 Heat Loss Floors Description	Туре	Storey Index	Construction				U-Value W/m²K)	She	Iter Code			ppa A	Area (m

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2.0 Opening Types													
Description	Data Source	Туре		Glazing		Glazing	Filling	G-value	Frame	F	rame	U	Value
·				•	Gap	Type		Type		actor	(V	V/m²k	
Window Door	Manufacturer Manufacturer	Window Solid Door		Double Low-E Soft		Air Filled Air Filled		Wood Wood		0.70 0.70		1.20 1.20	
3.0 Openings													
Name S Window Boarded S Window Brickwork S Door Brickwork W Window Brickwork N Window Brickwork E Window Brickwork	dow Boarded Window dow Brickwork Window r Brickwork Door dow Brickwork Window dow Brickwork Window			Location Timber Frame Boarded Timber Frame Brickwork	Orien Sol Sol Sol Ea No We	uth uth uth ist rth	2.0 2.9 1.9 2.7 12.4	Area (m²) 2.09 2.92 1.91 2.75 12.46 4.83		Pitch 0 0 0 0 0 0 0			
4.0 Conservatory				None									
5.0 Draught Proofing				100				%					
6.0 Draught Lobby			į	No									
7.0 Thermal Bridging				Calculate Bridges									
7.1 List of Bridges													
Bridge Type E2 Other lintels (including E3 Sill E4 Jamb E5 Ground floor (normal) E10 Eaves (insulation at E12 Gable (insulation at E13 Gable (insulation at E16 Corner (normal) E17 Corner (inverted – in external area) E11 Eaves (insulation at	ceiling level) ceiling level) rafter level) nternal area grea	els) iter than	Inde Inde Inde Inde Inde Inde Inde Inde	rce Type pendently assessed	Length 15.59 14.69 35.12 44.48 12.92 22.51 5.42 12.76 10.84 4.05	Psi 0.17 0.03 0.04 0.14 0.07 0.07 0.06 0.05 -0.01	0.17 0.03 0.04 0.14 0.07 0.07 0.06 0.05 -0.01	Reference TRADA Tir NHBC Tim TRADA Tir TRADA Tir	nber Frainber Frainbe	me [me [me [me [me [me [me [Details Details Details Details Details Details uide Details	lm	Yes Yes Yes Yes Yes No No No No No
Y-value				0.05				W/m²K					
8.0 Pressure Testing				Yes				7					
Designed AP ₅₀			Ï	4.00				m³/(h.m	n²) @ 50	Pa			
Property Tested?			i	Yes									
Test Method			i	Blower Door				=					
As Built AP ₅₀			Ï	0.10				m³/(h.m	n²) @ 50	Pa			
9.0 Mechanical Ventilation	1												
Mechanical Ventilation								_					
Mechanical Ventilat	tion System Pres	sent		Yes									
Approved Installation	on			Yes									
Mechanical Ventila	tion data Type			Database									
Туре				Mechanical extract ventil	ation - decer	ntralised							
MV Reference Nun	nber			500769									
Duct Type				Rigid									
MVHR Efficiency				0.00									
Wet Rooms				3									
SFP from Installer (Commissioning (Certificate	ĺ	No									
Installation Enginee	er		İ	TBC				Ī					
Commissioning Ce	rtificate		ï	TBC				Ħ					

SFP	Fan/Room Type	Count
0.15	In Room Fan Kitchen	0
0.11	In Room Fan Other Wet Room	0
0.00	In Duct Fan Kitchen	0
0.00	In Duct Fan Other Wet Room	0
0.11	Through Wall Fan Kitchen	0
0.09	Through Wall Fan Other Wet Room	4

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20.0 Fans, Open Fireplaces, Flues					
21.0 Fixed Cooling System	No				
22.0 Lighting					
No Fixed Lighting	No				
	Name Lighting 1	Efficacy 90.00	Power 7	Capacity 630	Count 25
24.0 Main Heating 1	Database				
Percentage of Heat	100.00			%	
Database Ref. No.	104368				
Fuel Type	Electricity				
SAP Code	0				
In Winter	0.00			Ī	
In Summer	0.00			Ī	
Model Name	AE080RXYDEG			Ī	
Manufacturer	Samsung Electro	onics Air Conditioner E	Europe B.V.	Ī	
System Type	Heat Pump		·	Ī	
Controls SAP Code	2210				
Delayed Start Stat	No			<u></u>	
HETAS approved System	No			i	
Oil Pump Inside	No			i	
FI Case	0.00			=	
Flue Type	None or Unknow	'n		=	
Fan Assisted Flue	No			=	
Is MHS Pumped	Pump in heated s	snace		1	
Heating Pump Age	2013 or later			1	
Heat Emitter	Underfloor			1	
Underfloor Heating	Yes - Pipes in thi	n screed			
Flow Temperature	Enter value	11 301000		_ 	
Flow Temperature Value	45.00		」 □		
Boiler Interlock	No No		」 □		
Boilet Interioek	IVO				
25.0 Main Heating 2	None				
26.0 Heat Networks	None				
Heat Source Fuel Type Heating I	Jse Efficiency	Percentage Of H Heat	eat Heat Ele Power Ratio	ectrical Fuel Factor	Efficiency typ
Heat source 1 None Heat source 2 None Heat source 3 None Heat source 4 None Heat source 5 None					
28.0 Water Heating Water Heating	Main Heating 1				
SAP Code	901				
Flue Gas Heat Recovery System	No				
Waste Water Heat Recovery Instantaneous System 1	No				
Waste Water Heat Recovery Instantaneous System 2	No				
Waste Water Heat Recovery Storage System	No				
Solar Panel	No		Ī		
Water use <= 125 litres/person/day	Yes			Ī	
Summer Immersion	No		i		
Cold Water Source	From mains			i	
				_	

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Bath Count				1								
Supplementa	ary Immersion			No								
Immersion Only Heating Hot Water				No								
28.1 Showers												
Description Shower Type				9		Flov [l/i	Connected Connected To					
Ensuite Instantaneous				s electric sh	No							
28.3 Waste Wate	er Heat Reco	very System										
29.0 Hot Water	Cylinder			Hot Water	Cylinder							
Cylinder Stat	t			Yes								
Cylinder In H	leated Space			Yes								
Independent	Time Control			Yes								
Insulation Ty	ре			Measured	Loss							
Cylinder Volu	ıme			150.00					L			
Loss				1.50					kWh/day	,		
Pipes insulat	ion			Fully insula	ated primary	pipework						
In Airing Cup	board			No								
31.0 Thermal St	ore			None								
34.0 Small-scale	e Hydro			None								
Electricity Ge	enerated			0.00								
Apportioned				0.00	kWh/Year							
Connected to	o dwelling's ele	ectricity meter		Yes								
Electricity Ge	eneration			Annual								
Jan	Feb	Mar	Apr	May	Jun	Jul	Au	g Sep	Oct	ı	Nov	Dec

Recommendations

Lower cost measures None

Further measures to achieve even higher standards

None

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