

Approved Test facility

Millbrook

Low Emission Bus Scheme Certificate

Customor Address	Alexander Der		actfield Ser	thorough VO11	2PV					
Customer Address: Test Purpose:		Plaxton, Cayton Low Road, Eastfield, Scarborough, YO11 3BY								
	LEB Energy Consumption Testing - ESTIMATED****				(1)	12266.0	DYNAMOMETER SETTINGS			
Vehicle Manufacturer:		ADL/BYD			Unladen weight (kg)		Test Weight	13868	•	
Vehicle Type & Number:				Gross Weight (kg)		18600.0 21	F°	329.76		
Engine:	Electric Hub Motors			Seated Capacity			F ¹	-6.7904		
Transmission: N/A Euro VI certificate Y/N N/A				Passenger Capacity GVW CHECK		90 OK	F ²	0.42029		
Euro VI certificate Y/IN N/A		Declared fuel, propertie		es and source plus carbon co		-	•	-0.002120 N/kmh ³		
Not Llooting Value	Discol				Fuel Pi				land	
Net Heating Value: Diesel Well-to-Tank Factor: Diesel				MJ / Litre	g CO2e / MJ WTT evid					
Well-to-Tank Factor: Electricity		-		v .			1 0			
				g CO2e / MJ	Fuel		UK Grid Electricity inc. WTT + T&D		WTT + T&D	
	Emissioi	ns and Energy	y consumptio	on results from	approved te	st facility - A	Average 3 tes			
Test Phase	HC (g/km)	CO (g/km)	NOx (g/km)	PM (g/km)	CO ₂ (g/km)	CH₄ (g/km)*	N ₂ O (g/km)*	Energy Consumption (KWhr)	Electrical Energ Consumption (kWh/ 100 km	
Rural	0.00	0.00	0.00	0.000	0.00	0.000	0.000	5.52	81.8	
Outer London	0.00	0.00	0.00	0.000	0.00	0.000	0.000	4.72	79.7	
Inner London	0.00	0.00	0.00	0.000	0.00	0.000	0.000	4.72 2.21	95.9	
MLTB Average	0.00	0.00	0.00	0.000	0.00	0.000	0.000	6.92	95.9 84.2	
LUB Average	0.00	0.00	0.00	0.0000	0.00	0.000	0.000	12.45	83.1	
LOB Average	0.00	0.00	0.00	0.0000	0.00	0.000	0.000	12.45	85.1	
	Z	ero Emission	s (Z.E.) Rang	e: Energy cons	umption and	charging e	fficiency			
Total measured energy consumed on vehicle (kWh) 49.80			Distance in Z.E	1 337			y Capacity (kWh)	324.0		
Measured grid energy during charging (kWh)			54.13	Charging eff		92%		al Z.E. Range (km)	423.5	
		8 ()	020			02/0			12010	
			Total Tank	-to-Wheel GHG	CO , equiva	lent				
								Fuel TT	W** GHG	
Test Phase		CO ₂ (g/km)		CH₄ (g/km x 25)*		N ₂ O (g/km x 298)*		(CO2 Equivalent g/km)		
Rural	0.00			0.000		0.00).00	
Outer London		0.00			0.000				0.00	
Inner London	0.00						0.00 0.0			
).00).00	
MLTB 0.00										
LUB Total Average		0.00		0.00	0	0.	00	0	.00	
		Calculated to	tal Well-to-V	Vheel GHG CO						
Test Phase	Fuel Energy	el Energy Fuel WTT*GHG Emissions		Electrical Energy	Electricity WTT* GHG Emissions		Measured Fuel TTW** GHG Emissions (g CO₂e / km)		Total WTW**	
	••	- 67		•					GHG Emission	
D 1	(MJ /km)	(g CO ₂ e / km)		(MJ / km)	(g CO ₂ e				(g CO ₂ e / km)	
Rural		0.00 0.00		2.95	422.61		0.00		422.61	
Outer London	0.00	_		2.87	411.60				411.60	
Inner London	0.00 0.00		3.45	495.45		0.00		495.45		
MLTB		0.00 0.00		3.03	435.07		0.00		435.07	
LUB Total Average	0.00	0.00 0.00		2.99	429.45		0.00		429.45	
Data Generated by (On beh	nalf of Test facility):			29 Sept 2016	Data Approved	by:			29 Sept 2016	
		Lo	w Emissio	on Bus Certi	ficate Sun	nmary				
GHG Well-to-Wheel					429.5				g CO2e / km	
Euro V Average Diesel Equivalent					1327.8			g CO2e / km		
WTW GHG saving (compared with Euro V diesel equvialent)					898.3				g CO2e / km	
% WTW GHG saving (compared with Euro V diesel equvialent)					68%				g CO2e / km	
Max Theoretical Zero Emission Operating Range (km)					423.5				km	
WTW CO2 per passenger km (@ Max Pass Capacity)					4.8				g CO2e/pass k	
Approv	ed as Low Emissio	on Bus? (15% sa					YES		•	
••	* WTT : We	ell-to-Tank	** TTW : T	ank-to-Wheel	*** WTW : W					
COMMENTS: THESE RESULTS										
INERTIA, VEHICLE ENERGY CON										
ank emissions for generation charging efficiency. #Range ca								y useu during testing	and CLAIIVIED	
								15812 (08-Septem	ber-2016)	
	ML02015809 (08	-september-zor	0), IVILUZU15810	(00-September-20						
Test Numbers: Certificate approved by:	ML02015809 (08	-September-201	0), WILUZUIS810	(08-September-20	Certificate App		2010)) 112020	10012 (00 ocptoin		