

15.3 MODEL: STERLING S700



ISO 7176-15	MIN.	MAX.	COMMENTS
OVERALL LENGTH	*1500mm	*1500mm	STANDARD CONFIGURATION
OVERALL WIDTH	657mm	657mm	STANDARD CONFIGURATION
TOTAL MASS (WITH BATTERIES)	145.5kg	145.5kg	STANDARD CONFIGURATION
MASS OF THE HEAVIEST PART	-	35kg	SEAT
STATIC STABILITY DOWNHILL	-	10°	160KG USER
STATIC STABILITY UPHILL	-	10°	160KG USER
STATIC STABILITY SIDEWAYS	-	10°	160KG USER
ENERGY CONSUMPTION (MAX. RANGE)	-	35 km	TO ISO 7176-14 (SEE SECTION 9.13)
DYNAMIC STABILITY UPHILL	-	10°-18%	160KG USER
OBSTACLE CLIMBING	-	100mm	STANDARD CONFIGURATION
RAMP TRANSITION	18°	18°	WITHOUT HIGH CENTRING
MAX. SPEED FORWARD		15 kph	STANDARD CONFIGURATION
MIN. BRAKE DISTANCE FROM MAX. SPEED	-	6m	WITH STANDARD PROGRAMMING
MAX. SPEED REVERSE	-	50%	% OF FORWARDS SPEED
EFFECTIVE SEAT DEPTH		490mm	STANDARD CONFIGURATION
EFFECTIVE SEAT WIDTH		490mm	STANDARD CONFIGURATION
SEAT SURFACE HEIGHT	450mm	500mm	TO SCOOTER FLOOR (3 POSITIONS)
BACK REST ANGLE	-70°	60°	FROM VERTICAL
BACK REST HEIGHT		525mm	STANDARD CONFIGURATION
FORE / AFT SEAT ADJUSTMENT		+30mm	FROM REAR MOST POSITION
SEAT WEIGHT WITH SLIDE		35kg	STANDARD CONFIGURATION
TOP OF ARM REST TO SEAT		230mm	ARM REST SET AT 90°
MIN. TURNING RADIUS		2950mm	STANDARD CONFIGURATION
MIN. TURN BETWEEN WALLS		2250mm	STANDARD CONFIGURATION
NOMINAL BATTERY VOLTAGE	24V	24V	TWO 12V BATTERIES
REVERSING WIDTH	2250mm		
ADDITIONAL SPECIFICATIONS	MIN.	MAX.	COMMENTS
MAXIMUM POTENTIAL RANGE		55 km	INDUSTRY BENCHMARK (SECTION 9.15)
CONTROLLER CUT-OFF VOLTAGE	16V		DRIVE STOPS
BATTERY CAPACITY		75Ah	SEE OPTIONS
BATTERY FUSIBLE LINKS	-	100A	IN-LINE FUSE ON EACH BATTERY
BATTERY CHARGER LOOM FUSIBLE LINK	-	15A	
BATTERY CHARGER		8A	AUTOMATIC CYCLIC
MAX. KERB HEIGHT		100 mm	
GROUND CLEARANCE	100 mm	130 mm	
REAR SUSPENSION TRAVEL		50 mm	UNLADEN
FRONT SUSPENSION TRAVEL		40 mm	UNLADEN
REAR WHEEL DRIVE	-	-	4 WHEEL SCOOTER
SCOOTER PUSH FORCE		100N	IN FREE-WHEEL
CRASH TESTED		NO	
TYRE PRESSURE		40psi	

* Exceeds recommended dimensions.