



Equipment installation				
No	Description	x Dimension (mm)	y Dimension (mm)	Weight** (kg)
01	Traction Converter (Full)	3400	2150	2200
02	Compartment HVAC	3200	1960	425
03	Cabin HVAC	800	1960	180
04	Motor EPC Package	1100	2370	370
05	Pneumatic Box Type 1	1000	2100	180
06	Sanding (Full)	580	305	76
07	Antenna (TOMS-PAPIS/ETCS)	500	1960	82
08	Antenna (Aselsan/ETCS)	500	1960	500
10	Braking Resistor	1400	1960	330
11	Lubricating Device (Full)	350	360	(33+9)42
12	Euro Balise Antenna / 2 Radar	330	450	(21+28)49
13	Camera	50	60	50
14	Door	1960	440	2200
15	Savronic Antenna	380	420	200
16	Out Speaker	150	60	150
17	Horns and Wistle	440	380	200
18	Windscreen Wiper water tank	350	360	480
19	Driver Door	900	60	2600
20	Electric Box EB1a	550	1960	580
21	Pack Group Pantograph	540	2010	360
22	Pantograph Intergamester Surge Arrester	1490	2100	630
23	Air Production	840	1490	600
24	HV Disconnecter	520	610	590
25	Air Production Tank	400	2000	550
26	Pneumatic Box Type 2	1000	2100	180
27	Trailer EPC Package	1100	2370	370
28	Transformer	2410	1830	3150
29	Auxiliary Inverter	2300	2210	715
30	Battery Box	1500	2020	610
31	Supply Socket	260	470	200
32	Rescue Adaptor Box	770	830	560
33	Mod Box	1300	1670	540
34	Electric Box EB1b	550	1960	580
35	Electric Box EB2 / Jumper	550	1960	90
36	Antenna (Energy Meter/ETCS)	500	1960	500
37	Antenna (ETCS)	500	1960	67
38	Main Pipe Tank	750	550	600

Electrical Cabinet/Box installation				
No	Description	x Dimension (mm)	y Dimension (mm)	Weight (kg)
41	Electric Cabinet EC1	300	800	2300
42	Electric Cabinet EC2	300	800	2300
43	Electric Cabinet EC4	1400	700	2300
44	Electric Cabinet ECMV1	1400	500	350
45	Electric Cabinet ECMV2	1400	500	350
46	Underframe Cable Duct SKA1	11400	600	100
47	Underframe Cable Duct OA2	11400	600	200

Mechanical installation				
No	Description	x Dimension (mm)	y Dimension (mm)	Weight** (kg)
51	Automatic Coupler	1690	630	(600+205)805
52	Semipermanent Coupler (Half)	2580	860	(226+24)250
53	Shock Absorber	1380	2360	1550
54	Obstacle Deflector	1330	2450	400
55	Gangway (Complete)	600	2950	3300
56	Rotation Limiter	200	200	8

Bogies				
No	Description	x Dimension (mm)	y Dimension (mm)	Weight** (kg)
71	Motor Bogie SKA Type1	4200	2730	8600
72	Motor Bogie SKA Type2	3940	2730	900
73	Trailer Bogie OA1 Type1	3940	2730	900
74	Trailer Bogie OA1 Type2	3940	2730	900

Other				
No	Description	x Dimension (mm)	y Dimension (mm)	Weight** (kg)
81	Service	1400	525	350
82	Luggage Rack (Empty)	1200	750	1680
83	8 Seats	3000	950	950
84	3 Seats	1370	620	500
85	5 Folding Seats	2350	160	500
86	Protruding Border	1400	100	50
87	Driver Desk	1040	2200	1200
88	Driver Seat	700	580	1500
89	Assistant Driver Seat (folding)	170	430	700
90	Fire Extinguisher	200	500	200
91	Cab Mask With Coupler Hatch	2830	2950	4030
92	Windscreen	1100	1650	1225
93	Bracket Adaptor For Wire Lifting Tools	1000	475	300

Passengers			
Description	SKA	OA	Trainset
Passengers Seats	41	57	196
Wheelchair Seats	1	-	2
Folding Seats	5	-	10
Standing Passengers	190	207	794
Seated Passengers	46	57	206
Total Passengers	236	264	1000
Crew	2	0	2

Passengers Areas			
Description	x COG (mm)*	y COG (mm)*	Area (m²)
100 Standing Area SKA	-8904	-4.5	31.7
101 Standing Area OA	-7826	-10.5	34.5

Inside /Outside Carbodyshell Passage	
Description	
E Electric passage High Voltage	
E Electric Passage Medium Voltage / Low Voltage	
E Electric Passage Medium Voltage	
E Electric Passage Low Voltage	
P Pneumatic Passage	
W Water Passage	
A Air Passage	

Technical Specifications				
Technical Document	R08	Drawing Update	25/01/2022	P.Lupone
Technical Document	R11	Drawing Update	11/10/2022	P.Lupone
Technical Document	R10	Drawing Update	24/03/2022	P.Lupone
Technical Document	R09	Drawing Update	11/03/2022	P.Lupone
Technical Document	Mod. No.	Modification Description	Date	Sign

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