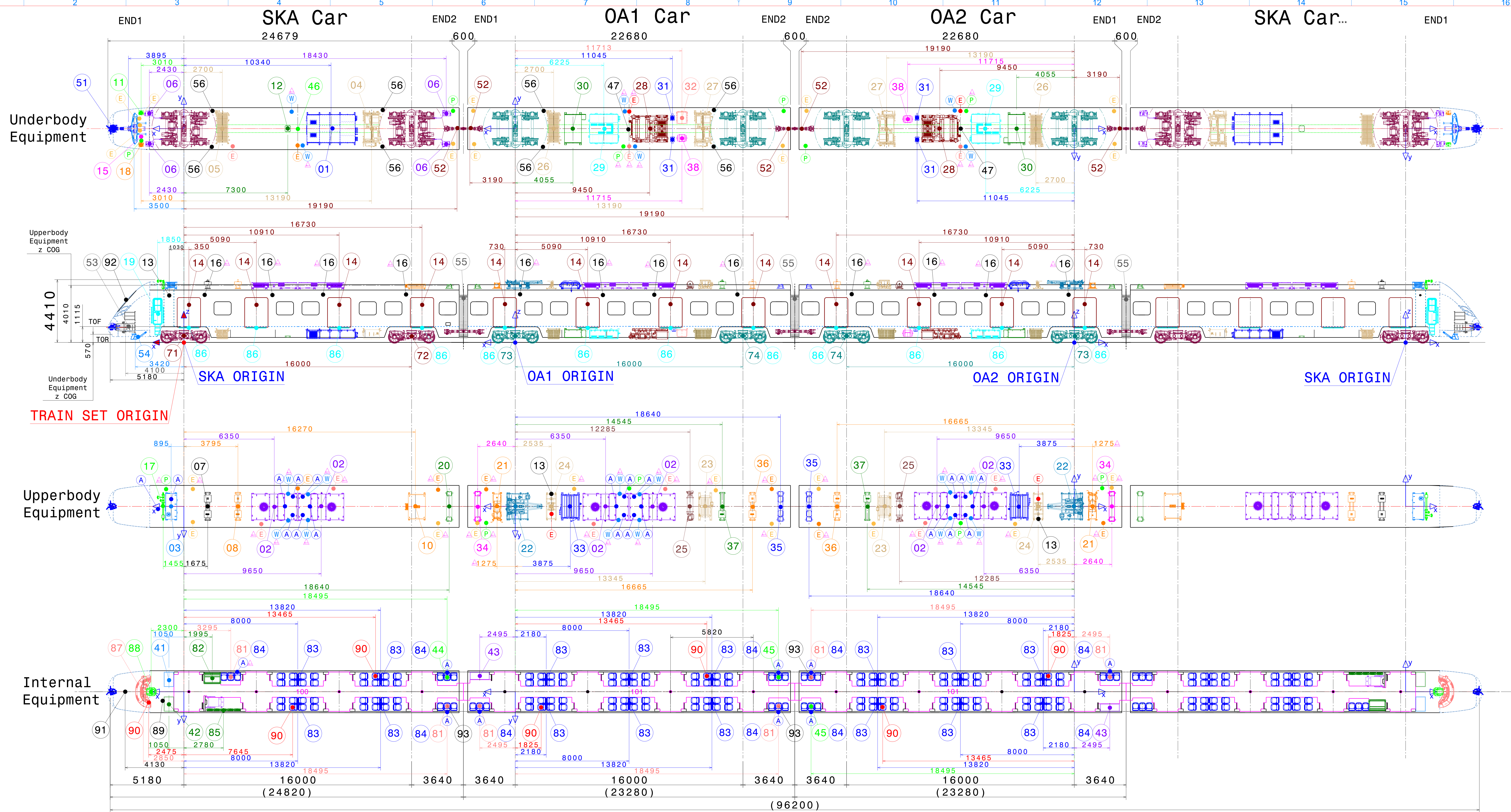




Equipment installation					
No	Description	x Dimension (mm)	y Dimension (mm)	z Dimension (mm)	Weight** (kg)
01	Traction Converter (Full)	3400	2150	715	2200
02	Compartment HVAC	3200	1960	425	600
03	Cabin HVAC	800	1960	470	180
04	Motor EPC Package	1100	2370	710	370
05	Pneumatic Box Type 1	1000	2100	710	180
06	Sanding (Full)	580	305	480	76
07	Antenna (TCMS-PAPIS/ETCS)	500	1960	500	82
08	Antenna (Aselisan/ETCS)	500	1960	500	82
10	Braking Resistor	1900	1960	330	255
11	Lubricating Device (Full)	350	360	480	(339+142)
12	Euro Balise Antenna / 2 Radar	390	450	100	(21+28)49
13	Camera	50	60	50	1
14	Door	1960	440	2200	183
15	Savronic Antenna	380	420	200	(11+12)23
16	Out Speaker	150	60	150	2
17	Horns and Wistle	440	380	200	(9+18)21
18	Windscreen Wiper water tank	350	360	480	10
19	Driver Door	900	60	2600	50
20	Electric Box EB1a	550	1960	580	60
21	Pack Group Intergograph	500	2010	580	(108+42)150
22	Pentagraph Intergometer Surge Arrester	1490	2100	630	(198+116)313
23	Air Production	840	1490	600	(415+2)417
24	HV Disconnecter	520	610	590	(59+36)95
25	Air Production Tank	400	2000	550	(78+37)115
26	Pneumatic Box Type 2	1000	2100	710	180
27	Trailer EPC Package	1100	2370	710	370
28	Transformer	2410	1830	710	3150
29	Auxiliary Inverter	2300	2210	715	1500
30	Battery Box	1500	2020	610	1000
31	Supply Socket	260	470	200	15
32	Rescue Adaptor Box	730	830	560	(43+87)130
33	Mod Box	1300	1670	540	(350+2)352
34	Electric Box EB1b	550	1960	580	60
35	Electric Box EB2 / Jumper	550	1960	580	90
36	Antenna (Energy Meter/ETCS)	500	1960	500	82
37	Antenna (ETCS)	500	1960	500	67
38	Main Pipe Tank	750	550	600	(41+4)45

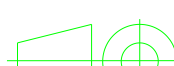
Electrical Cabinet/Box installation				
No	Description	x Dimension (mm)	y Dimension (mm)	z Dimension (mm) Weight (kg)
41	Electric Cabinet EC1	300	800	2300 150
42	Electric Cabinet EC2	300	800	2300 200
43	Electric Cabinet EC4	1400	700	2300 250
44	Electric Cabinet ECMV1	1400	500	350 125
45	Electric Cabinet ECMV2	1400	500	350 125
46	Underframe Cable Duct SKA1	11400	600	100 185
47	Underframe Cable Duct OA2	11400	600	100 200
Mechanical installation				
No	Description	x Dimension (mm)	y Dimension (mm)	z Dimension (mm) Weight** (kg)
51	Automatic Coupler	1690	860	630 (600+205)805
52	Semipermanent Coupler (Half)	2580	860	460 (226+24)250
53	Shock Absorber	1380	2360	1550 800
54	Obstacle deflector	1330	2450	400 27
55	gangway (Complete)	600	2950	3300 300
56	Rotation Limiter	200	200	200 8
Bogies				
No	Description	x Dimension (mm)	y Dimension (mm)	z Dimension (mm) Weight** (kg)
71	Motor Bogie SKA Type1	4200	2730	900 8600
72	Motor Bogie SKA Type2	3940	2730	900 8500
73	Trailer Bogie OA1 Type1	3940	2730	900 6000
74	Trailer Bogie OA1 Type2	3940	2730	900 6000
Other				
No	Description	x Dimension (mm)	y Dimension (mm)	z Dimension (mm) Weight** (kg)
81	Service	1400	525	350 5
82	Luggage Rack (Empty)	1200	750	1680 180
83	8 Seats	3000	950	950 88
84	3 Seats	1370	620	500 21
85	5 Folding Seats	2350	160	500 94
86	Protruding Border	1400	100	50 15
87	Driver Desk	1040	2200	1200 440
88	Driver Seat	700	580	1500 45
89	Assistant Driver Seat (folding)	170	700	1700 15
90	Fire Extinguisher	200	500	200 5
91	Cab Mask With Coupler Hatch	2630	2950	4030 790
92	Windscreen	1100	1650	1225 100
93	Bracket Adaptor For Wire Lifting Tools	1000	475	300 (112+13)125

Description		Passengers		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				
No	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	
Item	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

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*   Origin Reference On Relative Car
**  (Element weight + Interfaces weight) Total weight
*** For equipments refer to front vehicle
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No	Partu Designation Name of Item	Adet	Resim No / Norm Drawing No / Norm	Mabzene Material	Olgu Dimension	Aynik Weight (Kg)			
	ISO 21620-1	ISO 8015	ISO 2553	General Tol	ISO 2768	F1	mD	H1	KD
	ISO 15065-2 Certification Level	0.1/0.1	0.1/0.1	Weld Pro. Cast Steel	ISO 13820	A0	mD	H1	F1
	Approved	M.Gorlani	12/05/2021	Scale	ISO 12708	LmD	L2/2	8mD	8d/2
	Checked	M.Borlo	12/05/2021	1:100	TURASAS Turkish Railway Vehicles Industry Inc.				
	Prepared	P.Lupano	12/05/2021						
									
TPP	Date: 11/10/2022				GZ/10.00.00.00.11				
	General Layout				Sheet: _____ Size: A0 Rev: 1				