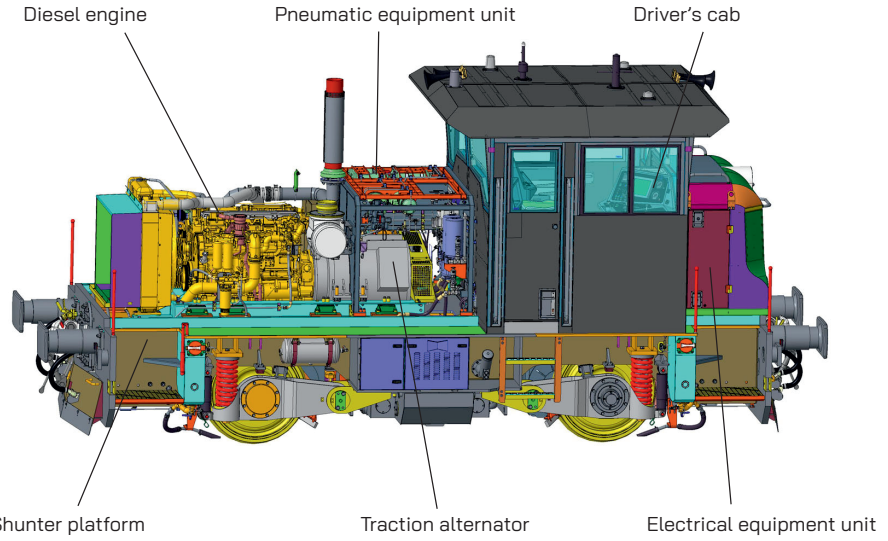


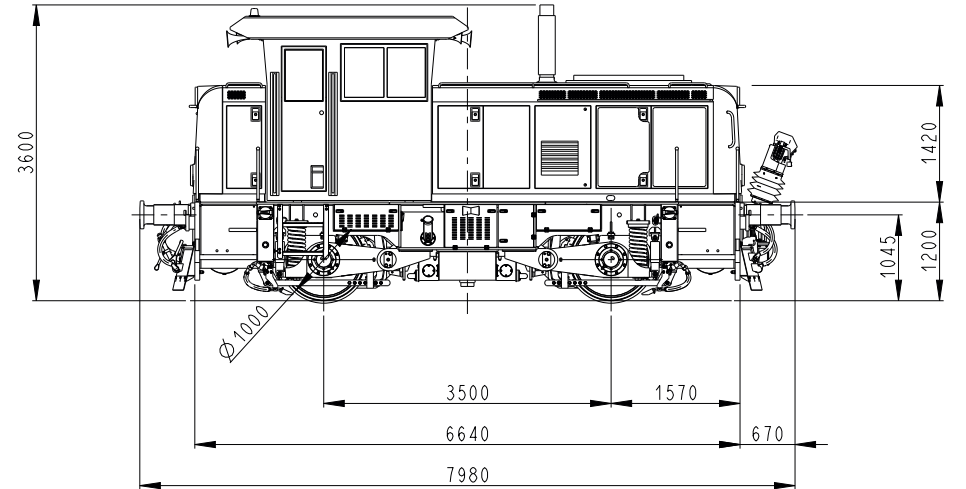
Layout of basic elements



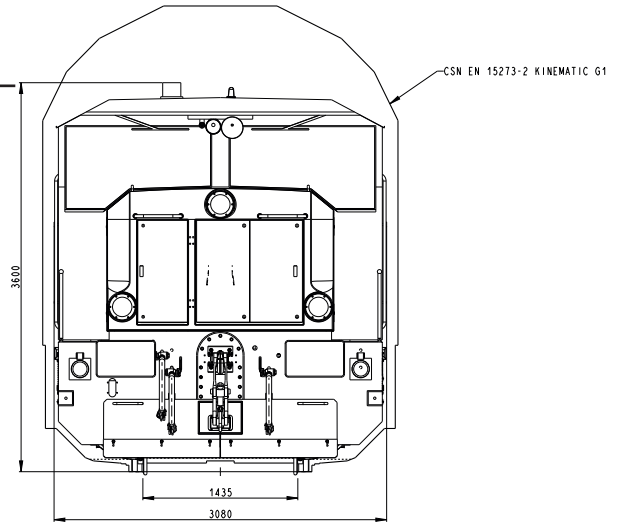
Load table

Legend:																																				
X – permanent operation																																				
- – short-term operation																																				
Load type: T4 (4-axle loaded freight wagons)																																				
Speed [km/h]																	The train weight applies to a straight line without curves																			
Load weight [t]																																				
e[%]	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	
0	76.1	76.1	74.5	71.7	68.5	65.9	63.4	61.4	59.6	58	56.4	54.3	52.2	50.3	48.5	46.9	45.3	43.9	42.5	41.3	40.1	38.9	37.8	36.8	35.8	34.9	34	33.2	32.4	31.6	30.8	30.1	29.4	28.7	28.1	
2	76.1	72.7	66.8	62.3	58.8	55.2	52.5	49.5	46.5	43	39.9	37.2	34.8	32.6	30.7	28.9	27.3	25.8	24.5	23.2	22	22.3	21.3	20.4	19.6	18.8	18.1	17.4	16.7	16.1	15.5	15	14.5	14	13.5	13.1
4	74	66.2	60	54.4	47.3	41.7	37.2	33.4	30.2	27.5	25.1	23.1	22.6	21.1	19.7	18.4	17.3	16.3	15.4	14.5	13.7	13	12.3	11.7	11.1	10.6	10.1	9.6	9.2	8.8	8.5	8.1	7.8	7.5	7.2	
6	70.3	61	53	44	37.4	32.2	28.2	24.9	23	21.3	19.4	17.7	16.3	15	13.9	12.9	12	11.2	10.5	9.8	9.2	8.7	8.2	7.8	7.3	6.9	6.5	6	5.6	5.1	-	-	-	-	-	
8	66.2	56.6	44.6	36.2	30.1	25.6	23	20.6	18.4	16.5	14.9	13.5	12.3	11.2	10.3	9.5	8.8	8.2	7.6	7.1	6.5	6	5.4	-	-	-	-	-	-	-	-	-	-	-	-	
10	62.6	49.8	38	30.3	24.9	22.2	19.2	16.8	14.8	13.2	11.8	10.6	9.5	8.7	8	7.3	6.6	6	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	59.6	43.8	32.8	25.8	22.2	18.7	16	13.9	12.2	10.7	9.5	8.5	7.7	6.9	6.1	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	56.7	38.8	28.6	23	19.2	16	13.6	11.7	10.1	8.9	7.9	7	6.1	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	52.3	34.7	25.2	20.7	16.8	13.9	11.7	10	8.6	7.6	6.5	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	47.9	31.2	23	18.4	14.8	12.2	10.1	8.6	7.5	6.3	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	44.1	28.3	21.5	16.5	13.2	10.7	8.9	7.6	6.3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	40.7	25.8	19.5	14.9	11.8	9.5	7.9	6.5	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	37.7	23.6	17.8	13.5	10.6	8.5	7	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	35.1	23	16.4	12.3	9.5	7.7	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	32.8	21.4	15.1	11.2	8.7	6.9	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	30.7	20	14	10.3	8	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	28.8	18.7	12.9	9.5	7.3	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	27.1	17.5	12	8.7	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	25.6	16.4	11.2	8.2	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	24.2	15.5	10.5	7.6	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	23	14.6	9.8	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Model drawing



Gauge



EFFISHUNTER[®]
300



czloko.cz



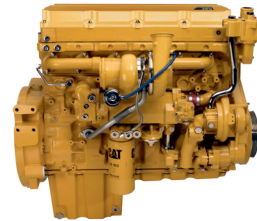
EFFISHUNTER[®]
300

CZ LOKO
Locomotion Excellence[®]

EFFISHUNTER[®] 300

EffiShunter 300 is a modern two-axle locomotive suitable for light shunting in depots, on sidings and at stations. Meeting the gauge for special tracks also allows it to be operated in metro tunnels.

The simple design of the vehicle was chosen with regard to the lowest possible purchase price and subsequent operating costs.



Reliability



Low operating and maintenance costs



Safety



Comfort



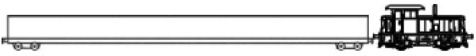
Unified solution

Locomotive parameters

Track gauge	1,435 mm
Wheelset arrangement	Bo
Maximum operating speed	60 km/h
Minimum curve radius	60 m
Line class	A
Transverse passage	2
Electric power transfer	AC/DC
Diesel engine	CATC13B
EU Stage	V
Nominal power	328 kW
Maximum tractive force	113 kN
Nominal weight	36 t
Compressor output	108 m³/h
Fuel tank volume	700 l
Climate class	-40 - +40 °C
Gauge	G1



TRANSPORT AT A CONSTANT SPEED UP TO A 4‰ GRADE



9 km/h,	1,500 t
14.7 km/h,	1,000 t
23.7 km/h,	600 t