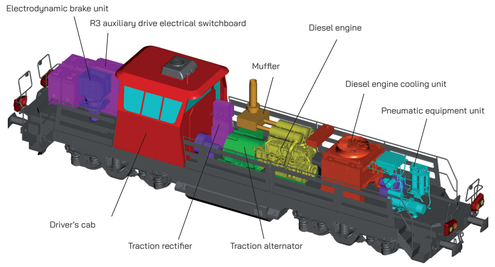
Layout of basic elements



Load table

Legend:

X – permanent operation

X – short-term operation

Load type: T4 (4-axle loaded freight wagons)

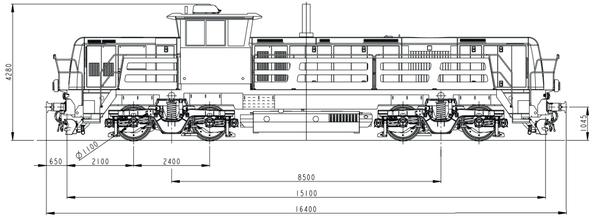
Speed [km/h]

Load weight [t]

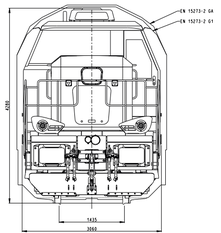
The train weight applies to a straight line without curves

sklon	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200
1	96	93	86	81	76	71	67	63	60	57	55	53	51	49.7	48.9	45.4	43.9	42.5	41.2	39.9	38.6	37.7	36.5	35.6	34.7	33.8	32.9	32.1	31.3	30.7	30.0	29.3	28.7	28.0	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	95	84.6	75.3	66.2	59.3	53.6	48.9	45	41.6	38.6	36	33.7	31.6	29.9	28.2	26.9	25.6	24.3	23.3	22.4	21.5	20.6	19.7	18.9	18.1	17.4	16.8	16.3	15.8	15.3	14.7	14.3	13.9	13.6	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	89.2	75.7	62.6	53.1	46.1	40.6	36.1	32.5	29.6	27.1	25.1	23.3	21.8	20.4	19.1	17.8	16.8	16	15.3	14.4	13.7	12.5	12	11.5	11	10.4	9.9	9.4	9.1	8.7	8.4	8.1	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	83.9	65.4	52.1	43.1	36.6	31.6	27.8	25	22.6	20.6	18.8	17.1	16	14.9	13.9	13	12.3	11.6	10.9	10.1	9.4	8.7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	78.6	56.8	44.1	35.7	29.9	25.8	22.7	20.1	17.9	16.2	14.8	13.6	12.6	11.7	10.7	9.9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	71.1	49.7	37.8	30.2	25.2	21.7	18.8	16.5	14.8	13.2	12.2	11.1	9.9	8.8	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	64.7	44	32.8	26.2	21.9	18.4	16	14	12.5	11.2	9.9	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	59	39.2	29	23.1	19	16	13.8	12.2	10.7	9.2	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	54	35.2	26	20.6	16.7	14.1	11.7	10.3	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	49.7	31.8	23.5	18.4	15	12.7	10.6	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	45.9	29.3	21.5	16.6	13.5	11.4	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	42.7	27	19.7	15.2	12.4	10.1	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	39.6	25	18	14	11.3	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	37.2	23.3	16.7	12.9	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	34.8	21.9	15.6	12	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	32.7	20.5	14.5	11.1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	30.9	19.2	13.6	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	29.4	18	12.8	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	27.8	17	12.1	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	26.6	16.2	11.4	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	25.4	15.4	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Model drawing



Gauge





EFFISHUNTER® 1000

czloko.cz



EFFISHUNTER® 1000

CZ LOKO

Locomotion Excellence®

EFFISHUNTER® 1000

EffiShunter 1000, the flagship of CZ LOKO, is designed both for operation on industrial sidings under the most demanding conditions and for line service. For these purposes, it may be equipped with ETCS. Approval according to the internationally recognized TSI certificate guarantees the maximum possible interoperability in the countries of the European Union.







Locomotive parameters

Track gauge	1,435 mm
Wheelset arrangement	Bo' Bo'
Maximum operating speed	100 km/h
Minimum curve radius	80 m
Line class	C2
Transverse passage	1
Power transfer	Electric AC/AC
Diesel engine	CATC32B
EU Stage	V
Nominal power	895 kW
Maximum tractive force	262 kN
Nominal weight	80 t
Compressor output	252 m³/h
Fuel tank volume	4,200 l
Climate class	-40 - +40 °C
Gauge	G1
ETCS	YES









TRANSPORT AT A CONSTANT SPEED UP TO A 4‰ GRADE

15.1 km/h,	2,850 t
20.4 km/h,	2,100 t
32.5 km/h,	1,200 t



CZ LOKO