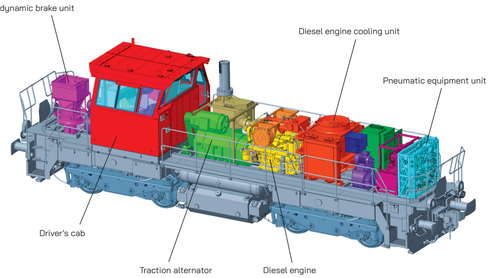
Layout of basic elements



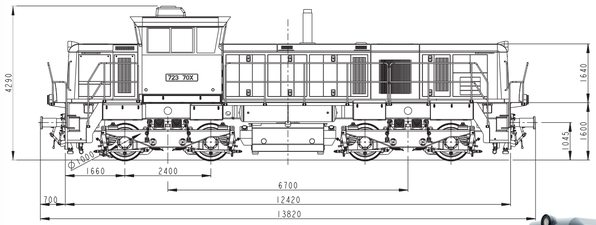
Load table

Legend:
X – permanent operation
X – short-term operation
Load type: T4 (4-axle loaded freight wagons)

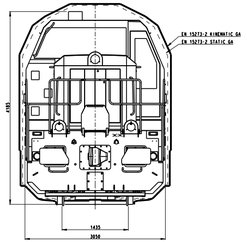
Speed [km/h] — *The train weight applies to a straight line without curves*
Load weight [t]

sklon‰	10‰	20‰	30‰	40‰	50‰	60‰	70‰	80‰	90‰	100‰	110‰	120‰	130‰	140‰	150‰	160‰	170‰	180‰	190‰	200‰	210‰	220‰	230‰	240‰	250‰	260‰	270‰	280‰	290‰	300‰	310‰	320‰	330‰	340‰	350‰
1	90.7	90.7	90.7	86.6	81.2	76.5	72.2	68.5	65.2	62.1	59.7	57.4	55.2	53.2	51.4	50	48.9	47.5	46.1	44.8	43.5	42.4	41.3	40.2	39.2	38.2	37.3	36.4	35.6	34.7	33.9	33.2	32.5	31.8	31.1
2	90.7	89.4	80.6	72.1	64.9	59.1	54.2	50.1	47.4	44.2	41.3	38.8	36.5	34.4	32.5	30.7	29.1	27.7	26.4	26.3	25.2	24.1	23.2	22.2	21.3	20.6	19.8	19.1	18.4	17.8	17.1	16.6	16	15.5	15
4	90.7	80.8	68.2	58.6	51.2	46.5	41.6	37.5	34.1	31.1	28.6	26.6	25.7	23.9	22.4	21	19.7	18.7	17.9	16.7	15.8	15	14.3	13.6	12.9	12.5	12.7	11.2	10.7	10.2	9.7	9.3	8.9	8.6	8.2
6	88.2	70.9	57.4	49	41	36.5	32	28.4	26.4	24.2	22	20.2	18.7	17.2	16	14.9	13.9	13	12.1	11.4	10.7	10	9.4	8.9	8.4	7.9	7.4	7	6.6	1.6	–	–	–	–	–	–
8	82.4	61.8	49.4	40.9	34.2	29.2	26.4	23.5	21	18.9	17.1	15.5	14.2	13	11.9	11	10.2	9.4	8.7	8.1	7.5	6.9	6.4	–	–	–	–	–	–	–	–	–	–	–	–
10	75.1	54.3	42.9	34.4	28.4	25.3	21.9	19.2	17	15.2	13.7	12.3	11.1	10.1	9.1	8.4	7.7	6.9	6.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	68.4	49	37.2	29.4	25.4	21.4	18.4	16	14.1	12.5	11	9.8	8.8	8	7.1	6.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	62.4	43.9	32.7	26.4	21.9	18.5	15.7	13.6	11.8	10.3	9	8.1	7.1	6.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	57.1	39.4	28.9	23.7	19.2	16	13.6	11.6	10	8.7	7.5	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	52.4	35.6	26.5	21.1	17	14.1	11.8	10	8.5	7.3	5.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	49.3	32.3	24.6	19	15.2	12.5	10.3	8.7	7.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	46.1	29.5	22.3	17.1	13.7	11	9	7.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	42.8	27.1	20.4	15.6	12.3	9.8	8	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	40	26.3	18.8	14.3	11.1	8.8	7.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	37.4	24.5	17.4	13.1	10	8	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	35.1	22.8	16.1	11.9	9.1	7.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	33	21.3	14.9	11	8.4	6.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	31	20	14	10.2	7.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	29.3	18.8	13	9.4	6.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	27.8	17.8	12.1	8.7	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	26.6	16.8	11.4	8.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Model drawing



Gauge





EFFISHUNTER® 600

czloko.cz



EFFISHUNTER® 600

CZ LOKO
Locomotion Excellence®

EFFISHUNTER 600

EffiShunter 600 is designed for medium-heavy shunting, especially on sidings. The design makes it suitable even for demanding conditions in high ambient temperatures and dusty environments which are typical for metallurgical operations. By modifying the mounting of the undercarriage, it is possible to achieve passage through curves with a minimum radius of up to 60 m.







CZ LOKO

Ecological operation

Comfort

Safety



Low operating and maintenance costs

Unified solution

Reliability

Locomotive parameters

Track gauge	1,435 mm
Wheelset arrangement	Bo' Bo'
Maximum operating speed	80 km/h
Minimum curve radius	80 (60) m
Line class	B1
Transverse passage	1
Power transfer	Electric AC/DC
Diesel engine	CAT C18
EU Stage	V
Nominal power	563 kW
Maximum tractive force	222 kN
Nominal weight	72–78 t
Compressor output	140–175 m^3/h
Fuel tank volume	4,000 l
Climate class	-25 - +40 °C









TRANSPORT AT A CONSTANT SPEED UP TO A 4‰ GRADE

7.4 km/h,	2,700 t
11 km/h,	2,000 t
22.6 km/h,	1,000 t

