

Table S1. Tracked excavators over 35T.

Country	Producer	Type	Engine power (kW)	Average consumption (l/wh)
SK	CATERPILLAR	345	239	22.40
CZ	CATERPILLAR	336D LN	210	22.29
CZ	VOLVO	EC360CL	190	19.49
CZ	VOLVO	EC460BLC	230	17.23
CZ	KOMATSU	PC350LC-8	220	20.82
CZ	KOMATSU	PC350LC-8	235	
CZ	VOLVO	EC380DL	208	16.08
HU	CATERPILLAR	385CLME	395	51.83
PL	CATERPILLAR	336E	240	25.04
CZ	VOLVO	EC380EL	208	22.07
CZ	VOLVO	EC380EL	208	18.53
PL	CATERPILLAR	340F LME	230	22.69
CZ	VOLVO	EC380EL	208	16.23
RO	CATERPILLAR	336FL	235	29.40
HU	VOLVO	EC480DL	256	24.29
CZ	VOLVO	EC480DL	265	20.27
CZ	VOLVO	EC480EL	278	25.75
HU	VOLVO	EC480EL	278	20.82
HU	VOLVO	EC 480EL	278	27.83
RO	CATERPILLAR	352F	311	39.04
SK	CATERPILLAR	352 NEXT GEN	316	29.70
PL	VOLVO	EC750E	384	51.16
HU	CATERPILLAR	390FL	405	53.86

Table S2. Wheel loaders over 135kW.

Country	Producer	Type	Engine power (kW)	Average consumption (l/wh)
RO	CATERPILLAR	950H	135	13.96
RO	CATERPILLAR	950H	135	14.54
RO	CATERPILLAR	938GII	118	10.46
HU	CATERPILLAR	950H	135	12.99
HU	CATERPILLAR	950GII	137	10.09
HU	CATERPILLAR	950GII	137	9.99
HU	CATERPILLAR	950G	136	15.26
HU	CATERPILLAR	950GII	137	13.47
HU	CATERPILLAR	950H	147	10.54
HU	CATERPILLAR	950H	147	13.02
HU	CATERPILLAR	950H	147	14.82
HU	VOLVO	L110H	155	11.94
HU	CATERPILLAR	950K	135	11.43
HU	CATERPILLAR	950K	135	14.50
HU	VOLVO	L110H	190	11.66
CZ	LIEBHERR	L546	120	7.35
CZ	LIEBHERR	L546	120	7.49
CZ	VOLVO	L110H	191	10.31
CZ	CATERPILLAR	950GC	169	11.13
CZ	CATERPILLAR	950GC	169	14.88
CZ	LIEBHERR	L550	140	10.43
SK	CATERPILLAR	962	158	14.46
CZ	VOLVO	L150F	183	15.73
CZ	CATERPILLAR	962H	160	30.81
HU	CATERPILLAR	980KHL	274	22.44
HR	CATERPILLAR	962H	158	
HR	VOLVO	L150F	210	
PL	VOLVO	L180F	235	20.72
RO	CATERPILLAR	962H	157	17.28
SK	CATERPILLAR	980	293	15.80
HU	CATERPILLAR	988H	373	28.73
HU	CATERPILLAR	972H	214	17.35
CZ	VOLVO	L120H	171	10.17
HU	VOLVO	L150H	220	14.96
HU	VOLVO	L110H	190	11.42
CZ	VOLVO	L120H	200	12.34
CZ	VOLVO	L120H	200	10.58
SK	CATERPILLAR	972M	247	18.25
CZ	VOLVO	L120H	203	12.47
HU	VOLVO	L110H	191	10.70
CZ	VOLVO	L120H	203	10.59
CZ	VOLVO	L150H	220	19.28
HU	VOLVO	L110H	191	13.44
PL	VOLVO	L180H	245	20.31
RO	CATERPILLAR	Front loader CAT 966M XE	222	14.42
CZ	VOLVO	L120H	203	9.54
CZ	VOLVO	L120H	203	15.44
PL	CATERPILLAR	972MXE	232	13.69
PL	VOLVO	L180F	234	
PL	VOLVO	L180H	234	16.70

HR	CATERPILLAR	966 M XE	250	
PL	VOLVO	L180H	234	17.40
RO	VOLVO	Front loader VOLVO L150H	223	17.18
HU	KOMATSU	WA475	216	
HU	KOMATSU	WA475	216	
HU	VOLVO	L350H	395	29.30

Table S3. Rigid dumpers payload under 40T.

Country	Producer	Engine power (kW)	Average consumption (l/wh)
HU	KOMATSU	386	17.83
RO	CATERPILLAR	380	19.95
RO	CATERPILLAR	410	17.13
SK	KOMATSU	386	
CZ	BELAZ	220	15.87
CZ	BELAZ	220	22.14
CZ	EUCLID	200	
CZ	EUCLID	220	12.39
CZ	BELAZ	220	7.86
CZ	BELAZ	220	
CZ	KOMATSU	220	18.26
CZ	BELAZ	220	23.00
HU	KOMATSU	364	18.16
HU	KOMATSU	364	22.78
HU	KOMATSU	364	19.89
SK	CATERPILLAR	381	19.87
SK	CATERPILLAR	381	26.66
CZ	CATERPILLAR	410	19.24
CZ	CATERPILLAR	410	18.70
HU	KOMATSU	578	26.20
HU	KOMATSU	578	26.56
RO	CATERPILLAR	446	
HU	KOMATSU	533	28.16
HU	KOMATSU	533	27.84
HU	CATERPILLAR	524	24.57
HU	CATERPILLAR	544	23.44