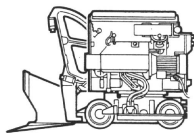


LM E-series

Electro-hydraulic overhead loaders

For LM E loaders, bucket throw and traction are operated by means of hydraulic motors. In relation to conventional pneumatic machines, this give a more efficient utilization of energy. The range of LM E-loaders comprises two different sizes, LM E 60 and LM E 80, also available in taller H-versions.



LM E 80 is mechanically developed from the proven LM 70 loader, using identical components.

LM E 60 is the electro-hydraulic version of the LM 56. LM E 60 has the same net loading capacity — 1.0 m³/min.

LM-loaders/technical data

	Motor output* traction kW	bucket kW	Bucket capacity (stand- dard) m ³	Net load- ing* capacity m ³ /min	Net weight kg	Air con- sump- tion l/s	Normal working pressure bar	Track gauges mm	Remote control (optional)
LM 37	6.5	7.5	0.14	0.6	1950	100	4.5—7	460—800	REM 03-10
LM 37H	6.5	7.5	0.14	0.6	2100	100	4.5—7	460—800	REM 03-10
LM 56	10.0	17.5	0.28	1.0	2700	133	4.5—7	460—800	REM 05-10
LM 56H	10.0	17.5	0.28	1.0	2900	133	4.5—7	460—800	REM 05-10
LM 70	10.0	2×11	0.40	1.5	4300	167	4.5—7	600—800	REM 07-10
LM 70H	10.0	2×11	0.40	1.5	4600	167	4.5—7	600—800	REM 07-10
LM 250	17.5	17.5	0.60	2.0	7100	200	4.5—7	600—800	REM 25-11
LM 250H	17.5	17.5	0.60	2.0	7350	200	4.5—7	600—800	REM 25-11

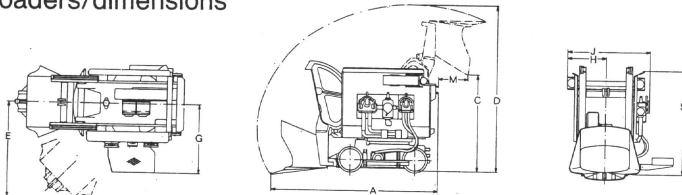
* At a working pressure of 6 bar = 600 kPa (67 psi).

LM E-loaders/technical data

	Motor output kW	Voltage*	Bucket capacity (standard) m ³	Net loading capacity kg m ³ /min	Net weight kg	Hydraulic system max oil pressure bar	max oil flow l/min	oil volume l	Track gauges mm
LM E60	18.5	380 V/50 Hz	0.28	1.0	2900	245	110	95	460—900
LM E60H	18.5	380 V/50 Hz	0.28	1.0	3100	245	110	95	460—900
LM E80	22.0	380 V/50 Hz	0.40	1.5	4800	315	110	103	600—900
LM E80H	22.0	380 V/50 Hz	0.40	1.5	5100	315	110	103	600—900

* Alternative electric systems available on request.

LM-loaders/dimensions

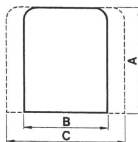


Type	A mm	C mm	D mm	2 × E mm	G mm	H mm	J mm	M mm	S mm
LM 37	2100	1150	2010	2300	865	440	1000	310	1380
LM 37H	2100	1350	2210	2300	865	440	1000	310	1480
LM 56	2340	1250	2240	2850	885	450	1040	420	1385
LM 56H	2340	1450	2440	2850	885	450	1040	420	1485
LM E60	2340	1250	2240	2900	885	590	1355	420	1385
LM E60H	2340	1450	2440	2900	885	590	1355	420	1485
LM 70	2720	1550	2620	3300	1110	625	1340	475	1650
LM 70H	2720	1750	2820	3300	1110	625	1340	475	1750
LM E80	2720	1550	2620	3300	1110	650	1510	475	1650
LM E80H	2720	1750	2820	3300	1110	650	1510	475	1750
LM 250	3120	1760	3000	3800	1060	680	1440	530	1920
LM 250H	3120	1960	3185	3800	1060	680	1440	530	2020

Dimensions C, D and M depend on bucket size which, within certain limits, can be adopted to loading space available and size of car.
Dimension 2 × E excluding side plow.

LM-loaders/drift dimensions

Principal dimensions for practical loading operation including safety distance between machine and walls/roof.



	LM 37	LM 37H	LM 56	LM 56H	LM E60	LM E60H	LM 70	LM 70H	LM E80	LM E80H	LM 250	LM 250H
A. min drift height	m 2.2	2.4	2.6	2.8	2.6	2.8	3.0	3.2	3.0	3.2	3.4	3.6
B. min drift width	m 1.8	1.8	2.2	2.2	2.5	2.5	2.4	2.4	2.7	2.7	2.5	2.5
C. max cleaning width	m 2.3	2.3	3.0	3.0	3.0	3.0	3.3	3.3	3.3	3.3	3.8	3.8

LM-loaders/suitable mine cars

Type	A mm	B mm	C mm	D mm	Capacity of car m ³
LM 37	1800	2250	1000	1500	1.3
LM 37H	1800	2250	1200	1500	1.8
LM 56/LM E60	1900	2400	1200	1600	2.0
LM 56H/LM E60H	2000	2400	1400	1600	2.7
LM 70/LM E80	2400	3000	1450	1600	3.5
LM 70H/LM E80H	2400	3000	1650	1600	4.0
LM 250	2800	3600	1650	1700	5.0
LM 250H	2800	3600	1850	1700	5.6

