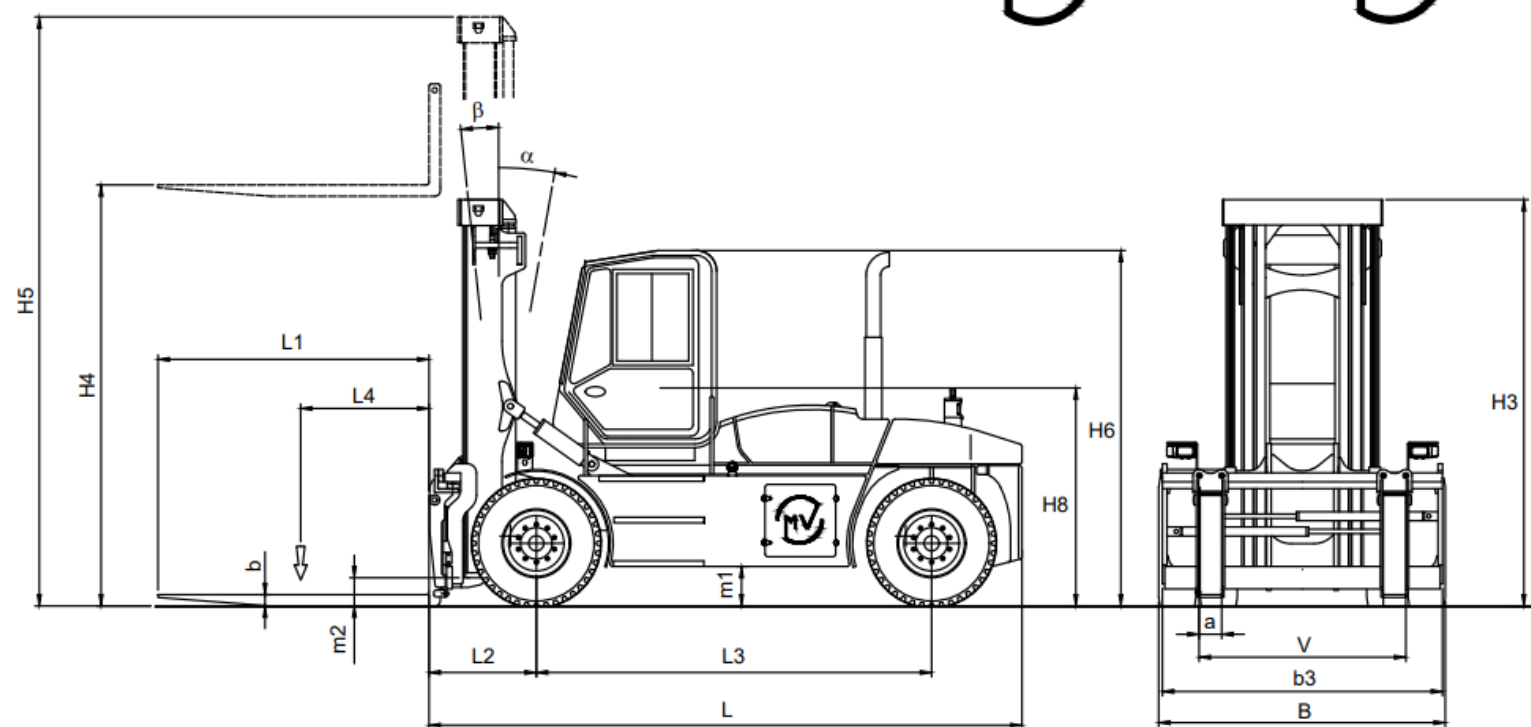


 120-6	 120-12
 160-6	 160-12



Specification	Manufacturer			MV Mover	MV Mover	MV Mover	MV Mover
	Model			MV 120-6	MV 160-6	MV 120-6	MV 160-12
	Lifting capacity		Kg	12.000	16.000	12.000	16.000
	Load centre	L4	mm	600	600	1.200	1.200
	Load distance, center of drive axle to fork	L2	mm	900	900	950	950
	Wheelbase	L3	mm	3.000	3.500	3.500	3.500
Weights	Service weight		kg	18.300	19.000	19.900	23.600
	Axle loading, unloaded front / rear		kg	9.000 / 9.300	9.700 / 9.300	10.200 / 9.700	10.800 / 12.800
	Axle loading, loaded front / rear		kg	30.000 / 2.220	32.557 / 2443	29570 / 2.400	36.630 / 2,970
Wheels	Tyre size, front		inch	12.00-20	12.00-20	12.00-20	12.00-20
	Tyre size, rear		inch	12.00-20	12.00-20	12.00-20	12.00-20
	Track width, front / rear		mm	1.895 / 2.100	1.895 / 2.100	1.895 / 2.100	1.895 / 2.100
	Tyre pressure		Mpa	1.0	1.0	1.0	1.0
Dimension	Mast tilt, α backward, β forward	α / β	°	10 / 5	10 / 5	10 / 5	10 / 5
	Height of mast lowered	H3	mm	3.450	3.750	3.750	3.750
	Lift height	H4	mm	4.000	4.000	4.000	4.000
	Height of mast extended	H5	mm	5.450	5.750	5.750	5.750
	Truck height	H6	mm	3.140	3.140	3.140	3.140
	Seat height	H8	mm	1.970	1.970	1.970	1.970
	Truck length (to face of forks)	L	mm	4.700	4.700	5.250	5.250
	Truck width	B	mm	2.540	2.540	2.540	2.540
	Fork dimension, width	a	mm	200	200	200	250
	Fork dimension, thickness	b	mm	80	80	100	100
	Fork dimension, length	L1	mm	1.400	1.400	2.400	2.400
	Fork carriage width	b3	mm	2.480	2.480	2.480	2.480
	Width over forks, maximum - minimum	V	mm	2.380 - 580	2.380 - 580	2.380 - 580	2.380 - 580
	Turning radius	R1	mm	4.200	4.700	4.700	4.700
	Ground clearance below the mast	m2	mm	250	250	250	250
	Ground clearance below the truck	m1	mm	350	350	350	350

Duplex standard	MAST MV 120-6			
	Lift height H4	H3 min	H5 max	H2 free lift
	4.000	3.450	5.450	0
	4.500	3.700	5.950	0
	5.000	4.050	6.550	0
	5.500	4.300	7.050	0
	6.000	4.550	7.550	0
	MAST MV 160-6 / MV 120-12 / MV160-12			
	Lift height H4	H3 min	H5 max	H2 free lift
	4.000	3.750	5.750	0
Duplex FFL	MAST MV 120-6			
	Lift height H4	H3 min	H5 max	H2 free lift
	4.000	3.450	5.450	2.000
	4.500	3.700	5.950	2.250
	5.000	4.050	6.550	2.500
	5.500	4.300	7.050	2.750
	6.000	4.550	7.550	3.000
	MAST MV 160-6 / MV 120-12 / MV160-12			
	Lift height H4	H3 min	H5 max	H2 free lift
	4.000	3.750	5.750	2.000
	4.500	4.000	6.250	2.250
	5.000	4.250	6.750	2.500
	5.500	4.500	7.250	2.750
	6.000	4.750	7.750	3.000

Power line	Engine	Manufacturer	Volvo	Cummins
		Model	TD 582 TAD	B4.5
		N° Cyl - cm³	4 / 5130	4 / 4500
		Power at rpm	160 / 2310	140 / 2200
		Torque at rpm	900 / 1300	780 / 1500
		Emission Std	Stage V	Stage V
	Gear box	Power Shift	ZF	ZF
		Model	3 WG 171	3 WG 171
		N° of gears	3 / 3	3 / 3
	Drive axle	Drive axle	Kessler	Kessler
		Model	D 81	D 81
	Electrics	Battery		
		voltage (v)	2 x 12	
		capacity (Ah)	145	



MV 120-6	MV 160-6	MV 120-6	MV 160-12
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Performances	Travelling speed	km/h	25	25	25	25
	Lifting speed unloaded	m/s	0.50	0.40	0.50	0.40
	Lifting speed loaded	m/s	0.45	0.35	0.45	0.35
	Gradeability at 2 km/h (loaded)	%	33	31	30	28
	Drawbar pull	kN	178	178	178	178

