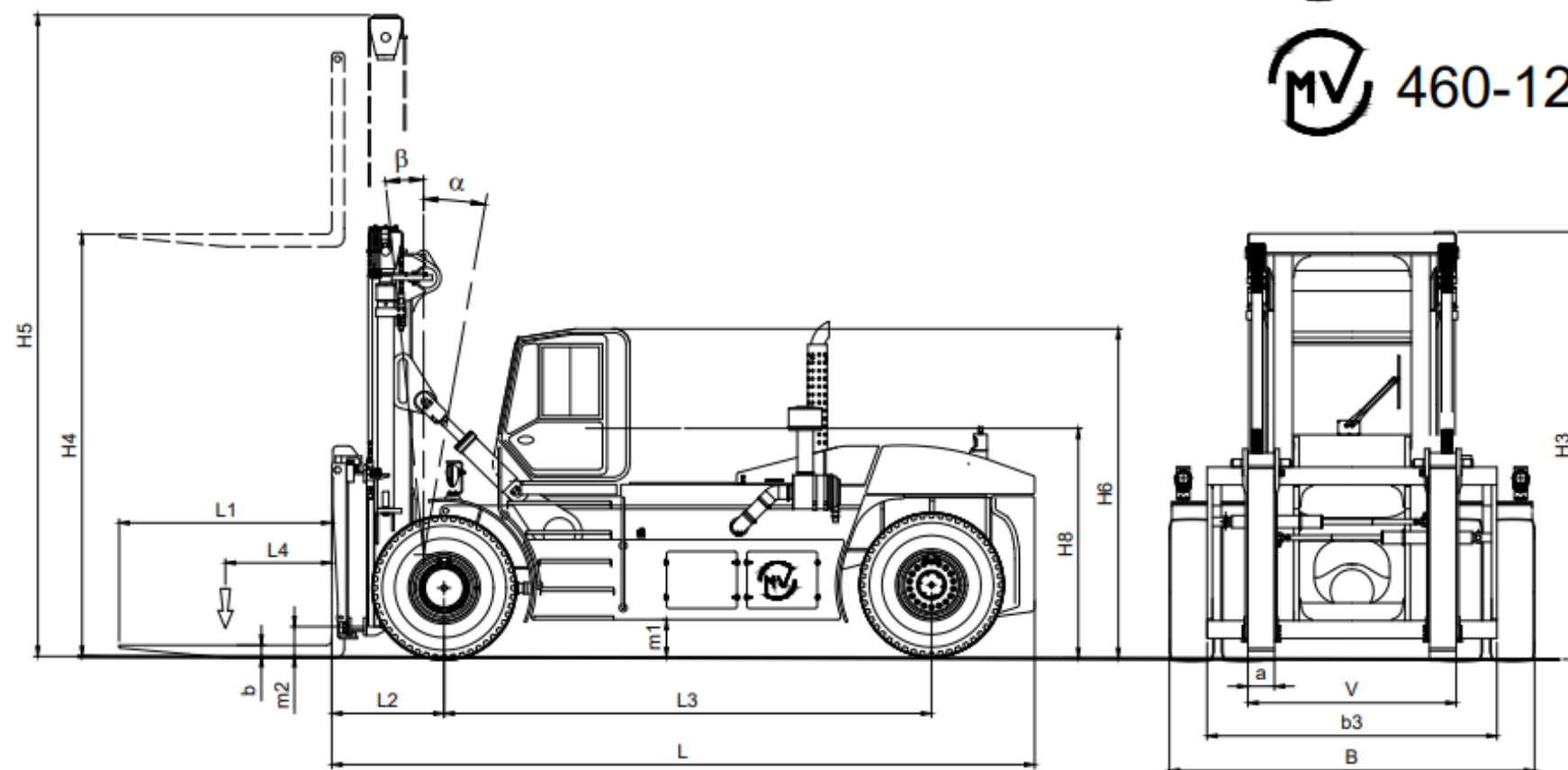


 420-12

 460-12



Specification	Manufacturer			MV Mover	MV Mover
	Model			MV 420-12	MV 460-12
	Lifting capacity		Kg	42.000	46.000
	Load centre	L4	mm	1.200	1.200
	Load distance, center of drive axle to fork	L2	mm	1.270	1.270
	Wheelbase	L3	mm	5.500	5.500

Weights	Service weight		kg	52.300	54.500
	Axle loading, unloaded front / rear		kg	27.500 / 24.800	27.500 / 27.000
	Axle loading, loaded front / rear		kg	84.760 / 5.940	94.160 / 6.340

Wheels	Tyre size, front		inch	18.00-25	18.00-25
	Tyre size, rear		inch	18.00-25	18.00-25
	Track width, front / rear		mm	2.492 / 2.480	2.492 / 2.480
	Tyre pressure		Mpa	1.0	1.0

Dimension	Mast tilt, α backward, β forward	α / β	°	10 / 5	10 / 5
	Height of mast lowered	H3	mm	4.800	4.800
	Lift height	H4	mm	4.000	4.000
	Height of mast extended	H5	mm	6.800	6.800
	Truck height	H6	mm	3.730	3.730
	Seat height	H8	mm	2.550	2.550
	Truck length (to face of forks)	L	mm	7.900	7.900
	Truck width	B	mm	4.150	4.150
	Fork dimension, width	a	mm	300	300
	Fork dimension, thickness	b	mm	135	135
	Fork dimension, length	L1	mm	2.400	2.400
	Fork carriage width	b3	mm	3.270	3.270
	Width over forks, maximum - minimum	V	mm	3.200 - 1.000	3.200 - 1.000
	Turning radius	R1	mm	7.500	7.500
	Ground clearance below the mast	m2	mm	340	340
	Ground clearance below the truck	m1	mm	430	430

Duplex standard

MAST MV 420-12 / MV 460-12			
Lift height H4	H3 min	H5 max	H2 free lift
4.000	4.800	6.800	0
4.500	5.050	7.300	0
5.000	5.300	7.800	0
5.500	5.500	8.300	0
6.000	6.050	8.800	0

Duplex FFL

Lift height H4	H3 min	H5 max	H2 free lift
4.000	4.800	6.800	2.000
4.500	5.050	7.300	2.250
5.000	5.300	7.800	2.500
5.500	5.500	8.300	2.750
6.000	6.050	8.800	3.000

Power line	Engine	Manufacturer	Volvo	Cummins
		Model	TD 1181 TAD	X 12
		N° Cyl - cm³	6 / 10800	6 / 11900
		Power at rpm	265/ 2100	261 / 2100
		Torque at rpm	1765 / 1400	1830 / 1400
		Emission Std	Stage V	Stage V
	Gear box	Power Shift	DANA	DANA
		Model	TE 30	TE 30
		N° of gears	5 / 3	5 / 3
	Drive axle	Drive axle	Kessler	Kessler
		Model	D 101	D 101
	Electrics	Battery		
		voltage (v)	2 x 12	
		capacity (Ah)	145	



MV 420-12 MV 460-12

Performances	Travelling speed	km/h	28	28
	Lifting speed unloaded	m/s	0.32	0.32
	Lifting speed loaded	m/s	0.28	0.28
	Gradeability at 2 km/h (loaded)	%	22	21
	Drawbar pull	kN	280	280

