

OPERATING MANUAL



TECHNICAL DATA

VEHICLE TYPE MPEK 450.18.8

	Steel plates/Concrete	Stoning/Sand
Dead weight:	approx. 98.000 kg	98.000 kg
Payload:	approx. 442.000 kg	355.000 kg
Total weight:	approx. 540.000 kg	450.000 kg
Swivel axle load:	18 x 30.000 kg	25.000 kg
Total length:	see page 5	23.000 mm
Total width:	see page 5	7.000 mm
Loading area:	see page 5	23.000 x 7.000 mm
Min. platform height:		1.550 mm
Driving height:	see page 5	1.900 mm
Max. platform height:		2.250 mm
Total lift:		+ - 350 = 700 mm
Number of the swivel axles:	total:	18
	driven:	8
	braked axles:	10
Max. tractive power at 400 bar:	see page 5	800.0 kN
Speed at 0% gradient, unladen:		8.0 km/h
Speed at 0% gradient, loaded:		4.0 km/h
Speed at 6% gradient, loaded:		2.0 km/h
Max. climbing ability for 540.000 kg total weight:		15 %
External degree of lock:	approx.	13.500 mm
Internal degree of lock:	approx.	0.000 mm
Steering:	electronic – hydraulic multiple–path steering	
Steering modes:	(> page 2 – FIG.01)	7 switchable steering programs
Tires:	running axles	.40–fold 365/80 R 20 R164
	driving axles	.32–fold 365/80 R 20 M748
Rims:	running axles	.40–fold 10.00–V20 (10 hole)
	driving axles	.32–fold 10.00–V20 (12 hole)
Diesel engine:	MERCEDESOM 502 – 350 KW at 1.800 r.p.m	EURO 2
Design:	Hanging aggregate, arranged below in the center of the platform	
Driving pumps:	Hydromatik:	nos. 3 A4VM125 EP2DT2/3
	Displaced volume	Vg max. 125 ccm/rpm
	Pressure Nominal/Maximum	440 bar
Driving motors:	Hydromatik:	nos. 16 A6VE107 HA2T
	Displaced volume	Vg min./max. 25–107 ccm/rpm
	Pressure Nominal/Maximum	440 bar
Driving axle gears:	L&S:	nos. 8 GFT 34 T2 3173
Steering pump:	Hydromatik:	nos. 3 A11VL075 DRS10R
	Displaced volume	Vg max. 75 ccm/rpm
	Pressure Nominal/Maximum	350 bar
Filling quantity:	hydraulic tank	aprox. 750 l
	diesel fuel	aprox. 600 l
Operator stand:	Hanging cabin, arranged below the front side of the platform	
Elektric:	batteries:	2 x 12V / 210Ah – 24 Volt
Operative conditions:	Temperature:	max. +50° C = 140° F
		min. -10° C = -14° F
	Climate	saliferous air / desert conditions