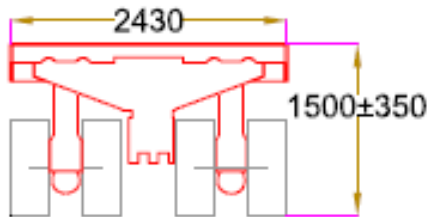




## EQUIPMENT DATA SHEET – SELF PROPELLED MODULAR TRAILER(SCHEUERLE)

The Modular Trailer System can be rigged in any required configuration of length and width using 4 and 6 axle modules.



### **2 FILE UNIT**

Pay load Capacity = 48t / Axle



### **Self-Propelled Modular Trailer- SCHEUERLE**

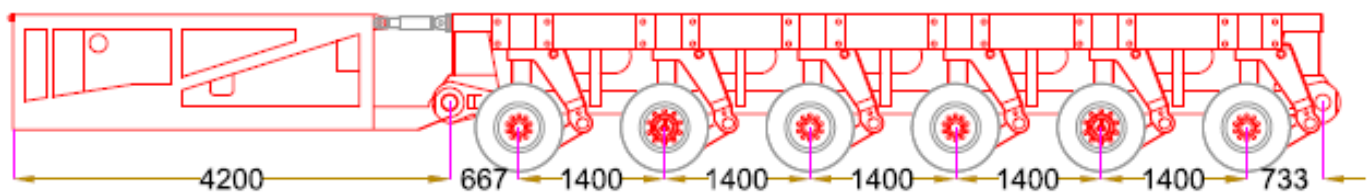
The hydraulic suspension system has several functions:

- Adjustment of the running height of 1500mm by +/- 300mm.
- Axle loads of 27.17t at 10km/h.
- Axle loads of 37.97t at 5km/h.
- Adjustment of the longitudinal and transverse levels of the trailer.
- Compensation of cross falls and changes in gradient.
- Self-loading and offloading of payloads.
- Maintenance of a level and balanced load

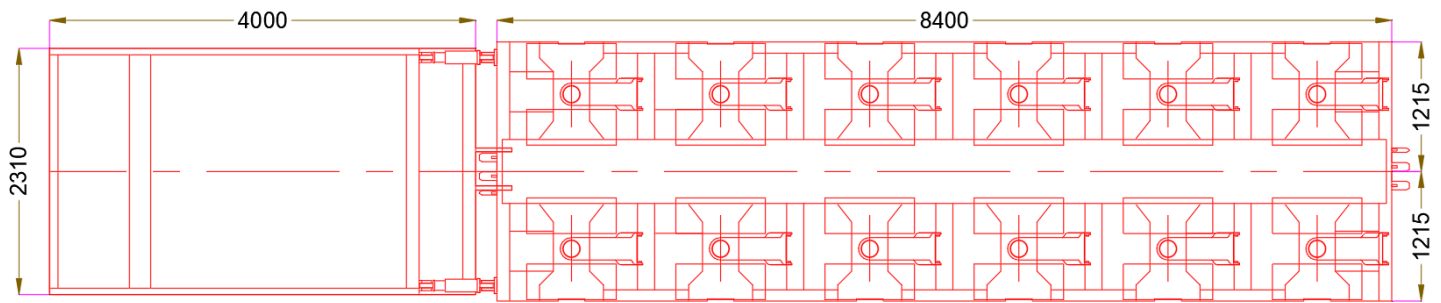


### **4 FILE UNIT**

Pay load Capacity = 72t / Axle



**ELEVATION VIEW**



**PLAN VIEW**

## **SPECIFICATIONS OF 4 AXLE BOGIE**

### **PEKZ170.8.4M78X24 D24B40.4I78TL24**

Travel speed	[km/h]/[mph]	10/6.2	5/3.1	3/1.9	1/0.6
Dead weight	[kg]/[lbs]	16,100/35,492 <sup>10)</sup>			
Payload <sup>4)</sup>	[kg]/[lbs]	108,700/239,629	151,900/334,864	175,900/387,772	
Total weight	[kg]/[lbs]	124,800/275,122	168,000/370,356	192,000/423,264	
Permissible axle load <sup>5)</sup>	[kg]/[lbs]	31,200/68,780	42,000/92,589	48,000/105,816	

Pendulum axles [total/driven/braked]	8/4/4
--------------------------------------	-------

Brake force max.	[kN]/[lbf]	160 / 35,840 <sup>6)</sup>
Pulling force	[kN]/[lbf]	240 / 53,760

## **SPECIFICATIONS OF 6 AXLE BOGIE**

### **PEKZ260.12.4M78X24 D24B40.6I78TL24**

Travel speed	[km/h]/[mph]	10/6.2	5/3.1	3/1.9	1/0.6
Dead weight	[kg]/[lbs]	23,100/50,926 <sup>10)</sup>			
Payload <sup>4)</sup>	[kg]/[lbs]	164,100/361,772	228,900/504,630	264,900/583,995	
Total weight	[kg]/[lbs]	187,200/412,682	252,000/555,534	288,000/634,896	
Permissible axle load <sup>5)</sup>	[kg]/[lbs]	31,200/68,780	42,000/92,589	48,000/105,816	

Pendulum axles [total/driven/braked]	12/4/6
--------------------------------------	--------

Brake force max.	[kN]/[lbf]	240/53,760 <sup>6)</sup>
Pulling force	[kN]/[lbf]	240/53,760



## PPU Z390 DA SPMT

50353922\_S02

Technical Data sheet

Drawing No. 50353922

Typ	Z390 DA SPMT		
Dimensions ‘L’ x ‘W’ x ‘H’	approx. 4.730 x 2.310 x 1.100 mm		
Coupling length X	approx. 4.575 mm		
Total height with support rolls Y	approx. 1.160 mm		
Dead weight	approx. 8.000 kg (7.200 kg without fillings)		
Incline admissible– lengthwise/ transverse	max. 13° / 5°		
Diesel engine – Manufacturer / Type	Daimler AG - 6R 1300 (OM471LA)		
Certification of exhaust emission	EU stage 4 / EPA Tier 4 final (SCR Catalyser)		
Number of cylinders / arrangement / capacity	6 / R / 12.809 cm³		
Performance	390 kW (530 PS) at 1.700 U/min		
Engine torque	2.460 Nm at 1.300 U/min		
Compressor unit	max. 12 bar (tire inflation connection)		
Mode of cooling	Liquid cooling/intercooling		
Starter – voltage / performance	24 V / 7 kW		
Generator – voltage / performance	28 V / 150 A		
Battery / voltage	2 x 12 V, 225 Ah / 24 V		
Fuel tank	approx. 400 l filling volume Diesel fuel according to: DIN EN 590 from 2010 ff. ASTM D795		
Urea tank	approx. 40 l filling volume		
Hydraulic oil tank (stainless steel)	approx. 760 l filling volume, approx. 560 l useable volume		
1.variable displacement pump - drive	Qmax. = 345 l/min, pmax. = 400 bar		
2.variable displacement pump - drive	Qmax. = 240 l/min, pmax. = 400 bar		
Displacement pump - steering	Qmax. = 370 l/min, pmax. = 350 bar		
Ambient temperature	ca. – 20 °C up to + 40 °C (according to type of PPU up to – 40° C)		
PPU suitable for operation of	SPMT Type axle load	40/48t	60t
	Max. axles lifting /lowering	40	34
	Max. driven pendulum axles	26	

