TECHNICAL DATA

LIFT TRANSPORTER MODEL MPEK

Dead weight:			78,000 kg
Useful weight:		approx.	426,000 kg
Total weight:		approx.	504,000 kg
Joint cross shaft axle load:		14 x	36,000 kg
Total length:	see page 10		17,400 mm
Total width:	see page 10		8,000 mm
Loading area:	see page 10	17,400 x	8,000 mm
Platform height lowered:			1,550 mm
Travel height:	see page 10		**1,900** mm
Plattform height lifted:			2,250 mm
Total lift:			± 350 mm
Number of jointed cross shaft axles:	total:		14
	driven:		4
	braked:		10
	not braked:		--
Max. tensile force 400 bar:	see page 11		408.9 kN
Speed at 0% gradient, unloaded:			15.0 km/h
Speed at 0% gradient, loaded:			4.5 km/h
Max. hill climbing ability at a total weight of 504,000 kg:			.6 %
Outer inflection circle:		approx.	11,850 mm
Inner inflection circle:		approx.	0,000 mm
Steering system:	electronic – hydraulic multiway steering		
Steering programs:	7 adjustable steering programs, see page 7, FIG. 01		
Tire equipment:	all axles		.56-fold 365/80 R 20
Wheel rims:	carrying axles		.40-fold 10.00-V20 (10-hole)
	driving axles		.16-fold 10.00-V20 (12-hole)
Tire pressure:	all axles		.10.0 bar
Diesel engine:	DEUTZ BF8M 1015C 286 kW at 2.100 1/min		
	Exhaustion directive as per Euro II		
Model:	Hydraulic aggregate, suspending, arranged centrally under platform		
Driving pumps:	hydromatic:	3	A4VM125 EP2DT
	Volumetric displacement	Vg max.	125 ccm/rpm
	Nominal pressure/maximum pressure		.400/440 bar
Wheel engines:	hydromatic:	8	A6VE107 HA2T
	Absorption capacity	Vg min./max.	25-107 ccm/rpm
	Nominal pressure/maximum pressure		400/440 bar
Driving axles:	Lohmann&Stolterfoth:	6	GFT 34 T2 4200
	Transmission:		.i = 50.5
Steering pumps:	hydromatic:	3	A11VL075 DRS10L
	Volumetric displacement reduced	Vg max.	75 ccm/rpm
	Nominal pressure/maximum pressure		350/400 bar
Gear box:	Stiebel:	Model 4382	i : 0,7059
Filling amount:	Hydraulic tank	approx.	550 l
	Fuel tank	approx.	500 l
Driver's cab:	One-man driver's cab arranged suspended at both ends of platform and equipped with all required operational controls.		
Electric system:	Batteries:	2 x 12V / 180Ah – 24 Volt	
	Generator:	28 Volt 55 Ah	
Operating conditions:	Temperature:	.min./max.	-10° C / +50° C
	Climate:	saline air / sea environment	

DIMENSIONED SKETCH

LIFT TRANSPORTER MODEL – MPEK 430.14.4 ..... Illustration FIG.03

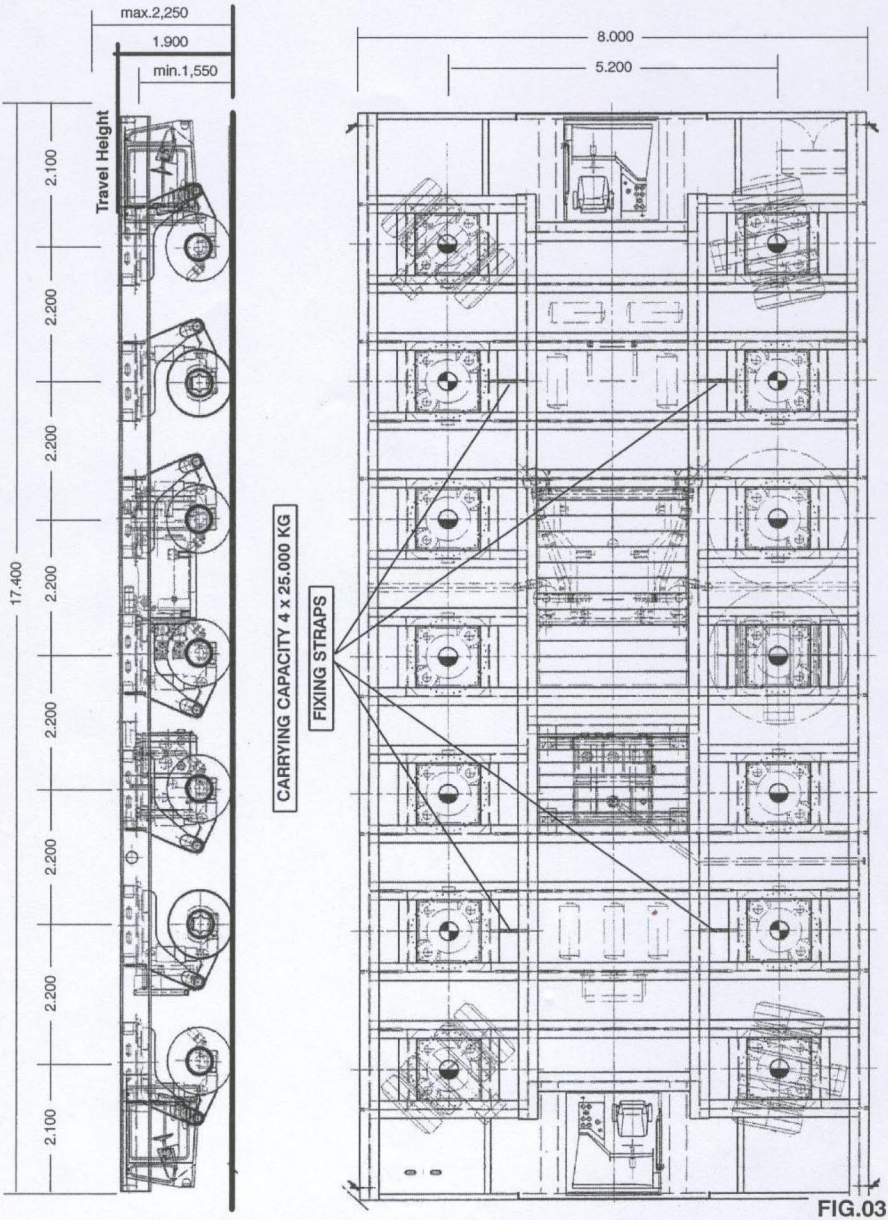

FIG.03