

PALFINGER ON THE TRACKS

LIFETIME EXCELLENCE



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PALFINGER Railway Equipment encapsulates the experience of over several decades in the manufacture of hydraulic loading cranes, access platforms and special products for railway application.

- Better solutions
- Better efficiency
- Better ergonomics
- Higher availability
- More reliability
- Better ecology
- Higher serviceability
- Higher value retention

SYSTEM SOLUTIONS FOR MAXIMUM EFFICIENCY



PALFINGER RAILWAY EQUIPMENT – OPTIMALLY MATCHED TO THE VEHICLE AND ITS PURPOSE

PALFINGER railway equipment is uncompromisingly designed for the conditions of duty on a railway track. Due to the close cooperation with the vehicle manufacturers optimally harmonised units are created and important vehicle characteristics are retained without any restriction.

The „Paltronic Load and Range Management System“ takes care about the optimization of lifting capacity and outreach. All influences are taken into account. Stability, protection against derailment and operational safety under all conditions are compliant with Pld acc. to EN 13849.

Numerous crane and platform models have a uniform and standardised interface with the vehicle. This enables many individual problem solutions to be achieved without additional technical effort and expense.

Individual problem solutions

- for all vehicle designs
- for all conditions of application
- for all tasks

THE PK RAILWAY CRANES

The versatile classics; universally usable and very much in demand when there is a need for equipment with load hook, hydraulic winch, workman basket or other attachments





INDIVIDUAL PROBLEM SOLUTIONS FOR ALL CONDITIONS OF APPLICATION

UNIFORM AND STANDARDISED INTERFACE WITH THE VEHICLE

PK 5001

Max. lifting moment ^{a)}	48.4 kNm (4.9 mt)
Slew angle	400°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	350 bar
Operating oil flow	30 l/min



	3.6	5.4	7.3	9.0	11.0
C	1240	760	530	400	330
B	3.5	5.3	7.2	9.0	
	1300	820	590	460	
A	3.5	5.2	7.1		
	1380	890	650		
STD	3.4	5.2			
	1460	950			

PK 7501

Max. lifting moment ^{a)}	74.9 kNm (7.6 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	300 bar
Operating oil flow	60 l/min



	4.1	6.0	7.8	9.9	12.0	14.0
D	1580	940	530	440	340	280
C	4.0	5.9	7.8	9.8	11.9	
	1700	1040	530	530	430	
B	3.9	5.8	7.7	9.8		
	1800	1140	630	630		
A	3.8	5.7	7.6			
	1920	1240	920			
STD	3.7	5.6				
	2050	1360				

PK 16502

Max. lifting moment ^{a)}	150.3 kNm (15.3 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	60 l/min



	4.3	6.3	8.3	10.4	12.6	14.7	16.9
E	3200	1960	1360	1000	780	640	550
D	4.2	6.2	8.2	10.3	12.5	14.6	
	3300	2100	1480	1100	880	740	
C	4.1	6.1	8.1	10.3	12.4		
	3450	2200	1580	1220	1000		
B	4.0	6.0	8.0	10.2			
	3600	2350	1720	1340			
A	3.9	5.9	7.9				
	3800	2500	1840				
STD	3.9	5.9					
	3950	2600					

PK 20002

Max. lifting moment ^{a)}	184.1 kNm (18.8 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	60 l/min



	4.3	6.3	8.3	10.5	12.6	14.8	16.9
E	3850	2450	1260	1260	980	810	700
D	4.3	6.3	8.3	10.4	12.5	14.7	
	4000	2550	1380	1380	1100	930	
C	4.2	6.2	8.2	10.3	12.5		
	4200	2700	1500	1500	1240		
B	4.1	6.1	8.1	10.2			
	4350	2850	1640	1640			
A	4.0	6.0	8.0				
	4550	3000	2250				

PK 10501

Max. lifting moment ^{a)}	98.2 kNm (10.0 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	60 l/min



	4.1	6.0	7.8	9.9	12.0	14.0
D	2200	1360	1040	690	540	460
C	4.0	5.9	7.8	9.8	11.9	
	2300	1460	1040	780	640	
B	3.9	5.8	7.7	9.8		
	2400	1560	1140	880		
A	3.8	5.7	7.6			
	2550	1680	1240			
STD	3.7	5.6				
	2700	1780				

PK 12502

Max. lifting moment ^{a)}	117.5 kNm (12.0 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	60 l/min



	4.3	6.3	8.3	10.4	12.6	14.7	16.9
E	2400	1460	690	690	530	430	370
D	4.2	6.2	8.2	10.3	12.5	14.6	
	2550	1560	790	790	620	520	
C	4.1	6.1	8.1	10.3	12.4		
	2650	1660	890	890	720		
B	4.0	6.0	8.0	10.2			
	2800	1760	1000	1000			
A	3.9	5.9	7.9				
	2950	1900	1400				
STD	3.9	5.9					
	3050	2050					

PK 23002

Max. lifting moment ^{a)}	220.9 kNm (22.5 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min



	4.4	6.3	8.2	10.3	12.4	14.5	16.7
E	4550	2950	2100	1540	1200	1000	850
D	4.3	6.2	8.1	10.2	12.3	14.4	
	4700	3100	2250	1680	1340	1140	
C	4.2	6.1	8.0	10.1	12.2		
	4900	3250	2400	1860	1520		
B	4.2	6.1	8.0	10.1			
	5150	3450	2600	2050			
A	4.1	6.0	7.9				
	5400	3650	2750				

PK 29002

Max. lifting moment ^{a)}	274.8 kNm (28.0 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min



	4.4	6.3	8.2	10.3	12.4	14.5	16.7
E	5700	3750	2700	2050	1620	1340	1160
D	4.3	6.2	8.1	10.2	12.3	14.4	
	5900	3900	2850	2200	1760	1480	
C	4.2	6.1	8.0	10.1	12.2		
	6200	4100	3050	2350	1920		
B	4.2	6.1	8.0	10.1			
	6500	4350	3250	2550			
A	4.1	6.0	7.9				
	6700	4550	3450				



THE PKR RAILWAY CRANES

Unmistakable, with their upward raising knuckle booms and indispensable when top-class performances are required in the catenary sector. The denser the maze of catenary wires, overhead lines and anchoring wires and the greater the number of overhead obstacles, the higher the efficiency and profitability achievable with the PKR cranes.

SYSTEM SOLUTIONS FOR MAXIMUM EFFICIENCY

PK 33002

Max. lifting moment ^{a)}	305.0 kNm (31.1 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	365 bar
Operating oil flow	100 l/min

20°							
E	4.4	6.3	8.2	10.3	12.4	14.5	16.6
	6100	4000	2900	2200	1740	1440	1240
D	4.3	6.2	8.1	10.2	12.3	14.4	
	6300	4150	3050	2350	1880	1580	
C	4.2	6.1	8.0	10.1	12.2		
	6600	4350	3250	2500	2050		
m							
kg							

PK 50002

Max. lifting moment ^{a)}	470.9 kNm (48.0 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	350 bar
Operating oil flow	100 l/min

20°								
G	4.5	6.2	8.0	9.9	12.0	14.2	16.4	20.8
	9300	6500	4750	3600	2850	2300	1920	1460
F	4.5	6.2	8.0	9.9	11.9	14.1	16.4	18.6
	9500	6700	4900	3800	3000	2450	2100	1820
E	4.4	6.1	7.9	9.8	11.8	14.0	16.3	
	9900	7000	5200	4000	3250	2700	2300	
D	4.3	6.0	7.8	9.7	11.7	13.9		
	10300	7200	5400	4250	3450	2900		
C	4.2	5.8	7.6	9.6	11.6			
	10700	7600	5700	4500	3700			
B	4.2	5.8	7.6	9.6				
	11000	7800	6000	4750				
A	4.1	5.8	7.6					
	11200	8100	6200					
m								
kg								

PK 76002

Max. lifting moment ^{a)}	702.4 kNm (71.6 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	350 bar
Operating oil flow	100 l/min

20°								
F	4.3	5.9	7.7	9.6	11.6	13.7	15.8	18.0
	14900	10500	7800	6100	4850	4000	3400	3000
E	4.2	5.8	7.6	9.5	11.5	13.6	15.7	
	15400	10900	8200	6400	5100	4250	3700	
D	4.2	5.8	7.6	9.5	11.5	13.6		
	15800	11200	8500	6700	5400	4550		
C	4.1	5.7	7.5	9.4	11.4			
	16400	11600	8800	7000	5800			
B	4.0	5.7	7.4	9.3				
	16700	12000	9200	7300				
A	4.0	5.7	7.4					
	17100	12300	9500					
m								
kg								

PK 100002

Max. lifting moment ^{a)}	881.6 kNm (89.9 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	365 bar
Operating oil flow	110 l/min

20°								
G	4.3	5.9	7.6	9.5	11.4	13.3	15.3	19.6
	19000	13500	10100	7800	6300	5200	4400	3350
F	4.2	5.8	7.5	9.3	11.2	13.2	15.2	17.3
	19800	14100	10500	8200	6600	5500	4700	4150
E	4.2	5.7	7.5	9.3	11.2	13.2	15.2	
	20200	14500	10900	8500	7000	5900	5100	
D	4.1	5.7	7.4	9.3	11.2	13.1		
	20700	14900	11300	8900	7400	6200		
C	4.1	5.7	7.4	9.2	11.1			
	21200	15300	11700	9300	7700			
B	4.0	5.6	7.4	9.2				
	21600	15700	12100	9700				
m								
kg								



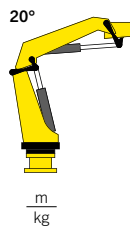


EXCELLENT AND VERSATILE
CRANE TECHNOLOGY

IDEAL FOR JOBS ON
ELECTRIFIED LINES

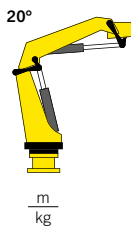
PKR 125

Max. lifting moment ^{a)}	115.8 kNm (11.8 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min

 m kg	20°							
	E	4.3	6.3	8.3	10.5	12.6	14.8	16.9
		2300	1380	910	640	480	380	320
	D	4.2	6.2	8.2	10.4	12.5	14.7	
		2450	1480	1020	740	580	490	
	C	4.2	6.2	8.2	10.3	12.5		
B		2550	1600	1120	850	690		
		4.1	6.1	8.1	10.2			
		2700	1720	1240	970			
A		4.0	6.0	8.0				
		2850	1860	1380				

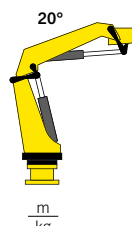
PKR 150

Max. lifting moment ^{a)}	134.6 kNm (13.7 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min

 m kg	20°							
	E	4.3	6.3	8.3	10.5	12.6	14.8	16.9
		2750	1680	1160	830	640	520	440
	D	4.2	6.2	8.2	10.4	12.5	14.7	
		2900	1800	1260	930	740	620	
	C	4.2	6.2	8.2	10.3	12.5		
B		3050	1920	1360	1040	850		
		4.1	6.1	8.1	10.2			
		3150	2050	1480	1160			
A		4.0	6.0	8.0				
		3350	2200	1620				

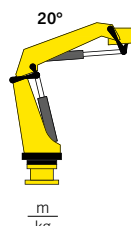
PKR 370

Max. lifting moment ^{a)}	343.3 kNm (35.0 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	385 bar
Operating oil flow	100 l/min

 m kg	20°										
	G	4.8	6.6	8.5	10.5	12.7	14.8	17.1	19.4	21.7	
		6300	4300	3100	2350	1840	1500	1240	1060	950	
	F	4.7	6.5	8.4	10.5	12.6	14.7	17.0	19.3		
		6500	4450	3250	2450	1940	1600	1340	1180		
	E	4.6	6.4	8.4	10.4	12.5	14.6	16.9			
D		6800	4650	3400	2600	2100	1740	1480			
		4.6	6.4	8.3	10.3	12.4	14.5				
		700	4850	3600	2800	2250	1920				
C		4.5	6.3	8.2	10.2	12.3					
		7300	5100	3800	3000	2450					
B		4.4	6.2	8.1	10.1						
		7600	5300	4000	3200						
A		4.3	6.1	8.0							
		7900	5500	4200							

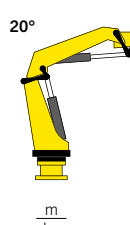
PKR 540

Max. lifting moment ^{a)}	503.3 kNm (51.3 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	320 bar
Operating oil flow	100 l/min

 m kg	20°										
	G	5.0	6.6	8.4	10.3	12.3	14.4	16.5	18.7	20.9	
		9100	6400	4750	3650	2900	2350	2000	1720	1520	
	F	4.9	6.5	8.3	10.2	12.2	14.3	16.4	18.6		
		9400	6700	5000	3850	3100	2550	2150	1900		
	E	4.8	6.4	8.2	10.1	12.1	14.2	16.3			
D		9700	7000	5200	4100	3300	2750	2400			
		4.8	6.4	8.2	10.1	12.1	14.2				
		10000	7200	5500	4300	3550	3000				
C		4.6	6.3	8.1	10.0	12.0					
		10400	7600	5800	4600	3850					
B		4.6	6.3	8.1	10.0						
		10600	7800	6000	4850						
A		4.6	6.3	8.1							
		10800	8000	6200							

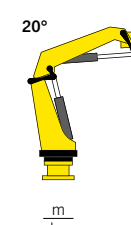
PKR 200

Max. lifting moment ^{a)}	181.5 kNm (18.5 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min

 m kg	20°							
	E	4.3	6.3	8.3	10.5	12.6	14.8	16.9
		3800	2400	1660	1240	970	800	690
	D	4.2	6.2	8.2	10.4	12.5	14.7	
		3950	2500	1780	1360	1080	910	
	C	4.2	6.2	8.2	10.3	12.5		
B		4150	2650	1920	1480	1200		
		4.1	6.1	8.1	10.2			
		4300	2800	2050	1600			
A		4.1	6.0	8.0				
		4500	2950	2200				

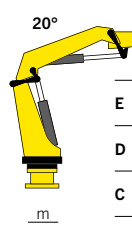
PKR 290

Max. lifting moment ^{a)}	272.4 kNm (27.8 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min

 m kg	20°							
	E	4.4	6.3	8.2	10.3	12.4	14.5	16.6
		5700	3700	2700	2000	1600	1320	1140
	D	4.3	6.2	8.1	10.2	12.3	14.4	
		5900	3900	2850	2150	1740	1460	
	C	4.2	6.1	8.0	10.1	12.2		
B		6100	4100	3000	2350	1900		
		4.2	6.1	8.0	10.1			
		6400	4300	3250	2550			
A		4.1	6.0	7.9				
		6700	4550	3450				

PKR 800

Max. lifting moment ^{a)}	769.1 kNm (78.4 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	320 bar
Operating oil flow	100 l/min

 m kg	20°										
	E	4.5	6.1	7.8	9.6	11.6	13.6	15.8	17.4	19.6	
		16100	11900	9200	7300	6000	5000	4350	3800	3350	
	D	4.5	6.1	7.8	9.6	11.5	13.6		17.3		
		16500	12300	9500	7600	6300	5400		4150		
	C	4.4	5.9	7.6	9.5	11.4					
B		17200	12800	10000	8000	6700					
		4.4	6.0	7.7	9.5						
		17200	12900	10200	8300						
A		4.4	6.0	7.7							
		17700	13300	10600							
STD		4.2	5.7								
		18700	14300								

THE PR RAILWAY CRANES

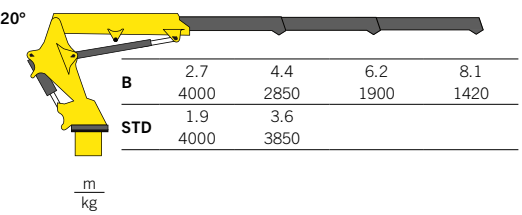
Unbeatable when space restrictions are so tight that it is impossible to work with any other crane design; e.g. activated lateral movement limiter on both sides, a live catenary line and the height limitation on - no problem! With a PR crane it is still possible to load and unload the entire loading area, rotate the crane right round and pick up and set down loads in front of buffers.



OPENING NEW FIELDS OF APPLICATION

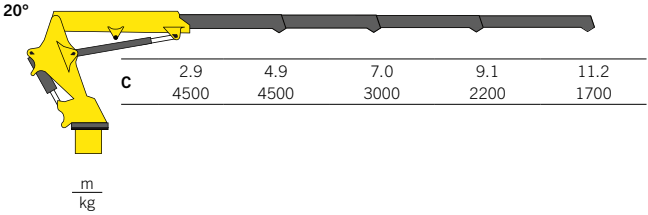
PR 120

Max. lifting moment ^{a)}	133.1 kNm (13.6 mt)
Slew angle	continuous
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	80 l/min



PR 220

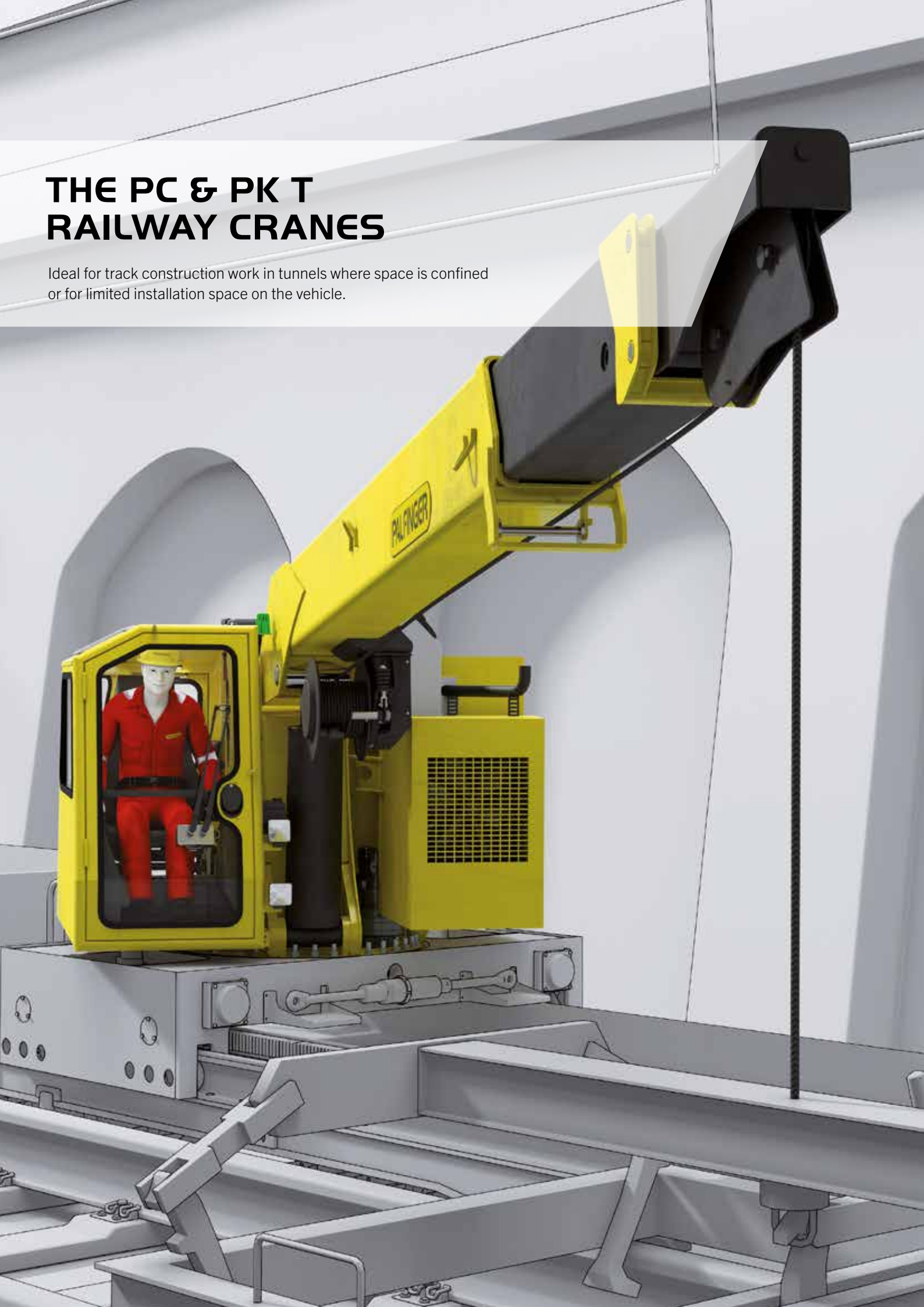
Max. lifting moment ^{a)}	235.5 kNm (24.0 mt)
Slew angle	continuous
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve)	330 bar
Operating oil flow	100 l/min



a) calculated with one extension and retracted | b) lifting capacity / reach reduced accordingly with increasing inclination

THE PC & PK T RAILWAY CRANES

Ideal for track construction work in tunnels where space is confined or for limited installation space on the vehicle.



SAFETY AND EFFICIENCY

PC 3800

Max. lifting moment ^{a)}	35.7 kNm (3.6 mt)
Slew angle	325°
Max. permissible crane inclination ^{b)}	6°
Operating pressure (at the control valve) 200 bar	
Operating oil flow	15 l/min

 B A m kg	2400 1.5 2500 1.4	1360 2.7 1400 2.6	930 3.8 970 3.7	710 5.0
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PK 8000T

Max. lifting moment ^{a)}	92.3 kNm (9.4 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve) 300 bar	
Operating oil flow	60 l/min

 C B A STD m kg	1.9 4700 1.9 4800 1.8 5100 1.8 5300	3.2 2800 3.2 2900 3.1 3050 3.1 3200	4.5 1960 4.5 2050 4.4 2200	5.9 1480 5.9 1560	7.2 1200
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PK 18000T

Max. lifting moment ^{a)}	164.5 kNm (16.8 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve) 300 bar	
Operating oil flow	60 l/min

 C B m kg	2.6 6400 2.5 6700	4.3 3700 4.2 3850	6.1 2500 6.0 2650	8.0 1860 8.0 2000	10.0 1500
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PK 700T

Max. lifting moment ^{a)}	685.7 kNm (69.9 mt)
Slew angle	continuous/opt. 450°
Max. permissible crane inclination ^{b)}	15°
Operating pressure (at the control valve) 300 bar	
Operating oil flow	110 l/min

 STD m kg	7.3 6500 ^{c)}	12.8 5100
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a) calculated with one extension and retracted | b) lifting capacity / reach reduced accordingly with increasing inclination

RAILWAY AERIAL WORK PLATFORMS

Their cleverly devised technology and their reliability in service day in day out make PALFINGER RAILWAY lifting platforms essential for work on overhead contact systems around the world.



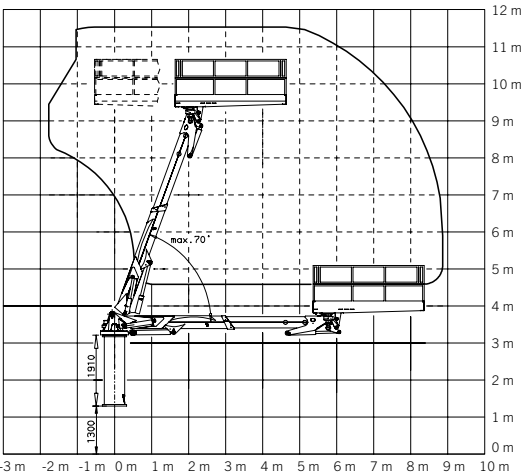
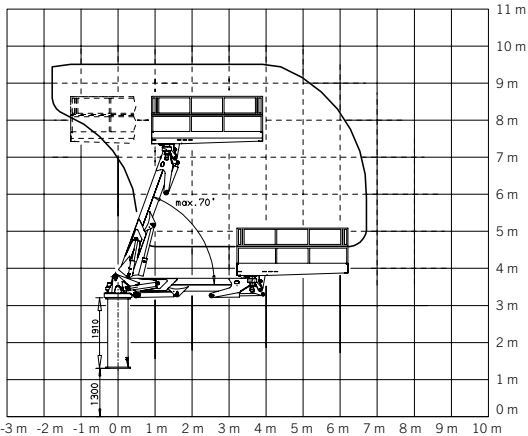
GREAT STABILITY ALSO WITH LIGHT VEHICLES

PA 95

Max. basket payload	600 kg / 500 kg
Max. basket floor / working height	7.5 / 9.5 m
Max. horizontal reach	6.7 m
Basket dimensions LxW	3.0 x 1.2 m / 3.0 x 1.6 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	190 bar
Operating oil flow	60 l/min

PA 120

Max. basket payload	500 kg / 400 kg
Max. basket floor / working height	9.6 / 11.6 m
Max. horizontal reach	8.8 m
Basket dimensions LxW	3.0 x 1.2 m / 3.0 x 1.6 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	290 bar
Operating oil flow	60 l/min



^{b)} lifting capacity / reach reduced accordingly with increasing inclination



CONSTRUCTION & MAINTENANCE OF OVERHEAD LINES

IDEAL FOR LIMITED INSTALLATION SPACE

PA 135

Max. basket payload	650 kg
Max. basket floor / working height	6.3 / 8.3 m
Max. horizontal reach	8.3 m
Basket dimensions LxW	5.0 x 2.0 m / 4.23 x 1.28 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	300 bar
Operating oil flow	70 l/min

PA 200

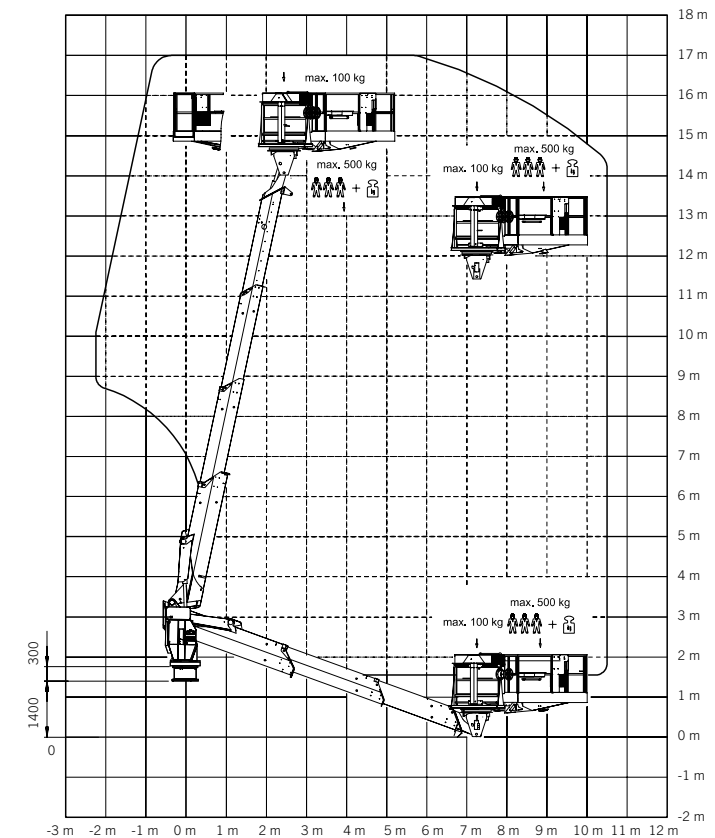
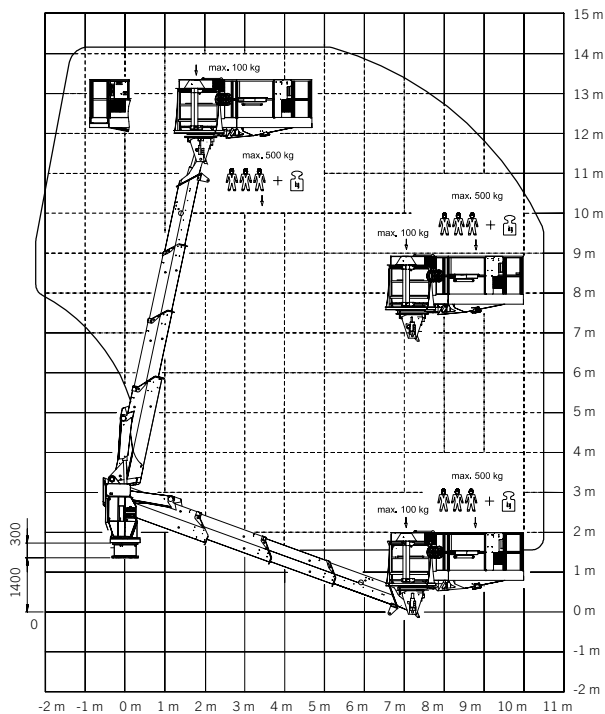
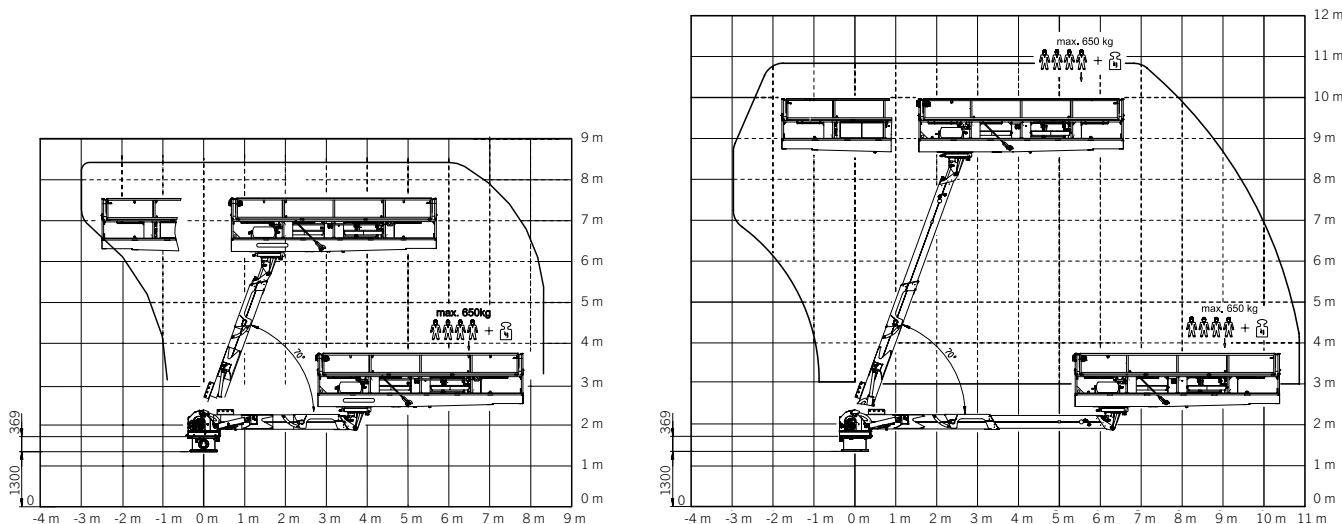
Max. basket payload	650 kg
Max. basket floor / working height	8.8 / 10.8 m
Max. horizontal reach	10.8 m
Basket dimensions LxW	5.0 x 2.0 m / 4.23 x 1.28 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	300 bar
Operating oil flow	70 l/min

PA 115

Max. basket payload	500 kg
Max. basket floor / working height	12.2 / 14.2 m
Max. horizontal reach	10.5 m
Basket dimensions LxW	2.5 x 2.3 m (L-Form) / 2.0 x 1.3 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	250 bar
Operating oil flow	60 l/min

PA 125

Max. basket payload	500 kg
Max. basket floor / working height	15.0 / 17.0 m
Max. horizontal reach	10.5 m
Basket dimensions LxW	2.5 x 2.3 m (L-Form) / 2.0 x 1.3 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	260 bar
Operating oil flow	60 l/min





UNIVERSAL WITH LARGE WORKING RANGE

OPTIMUM MANEUVERABILITY WITH TWO ENDLESS SWING SYSTEMS

PA 240

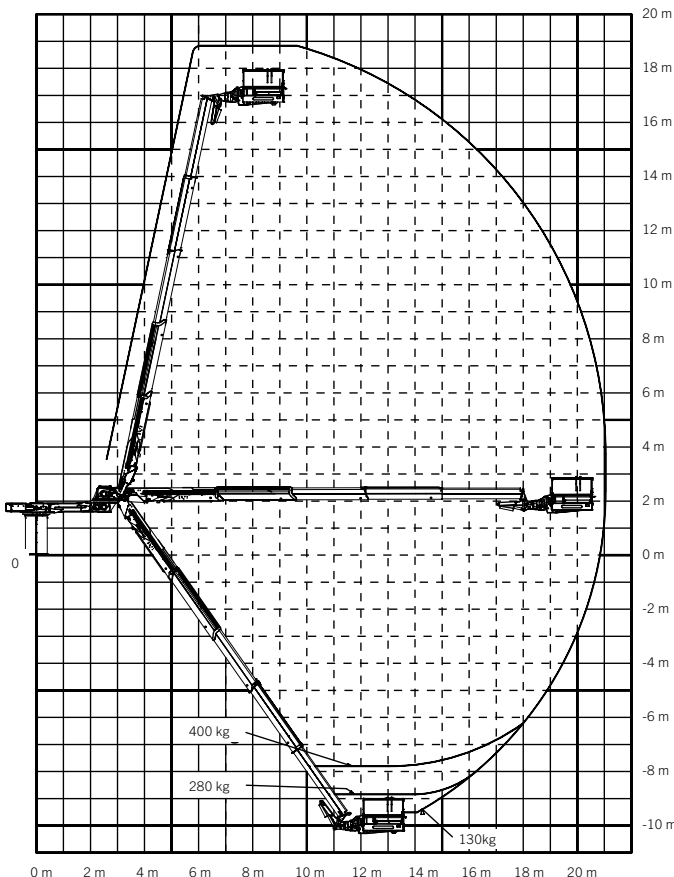
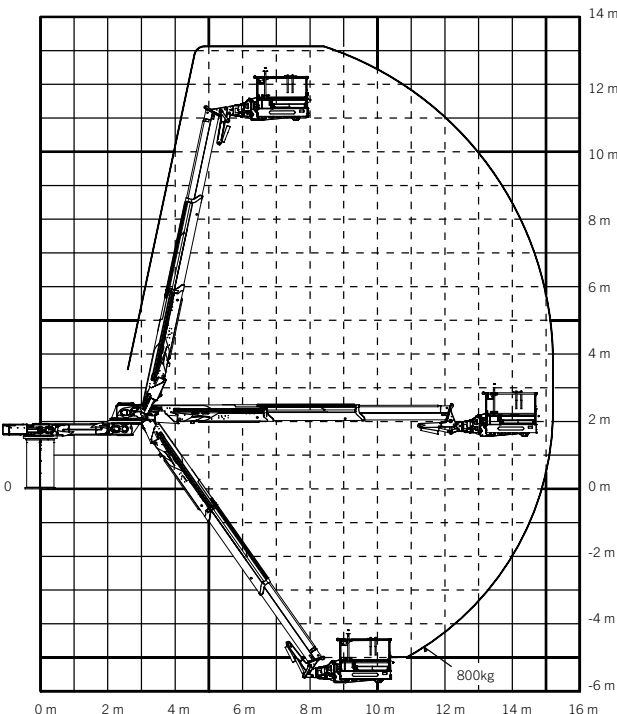
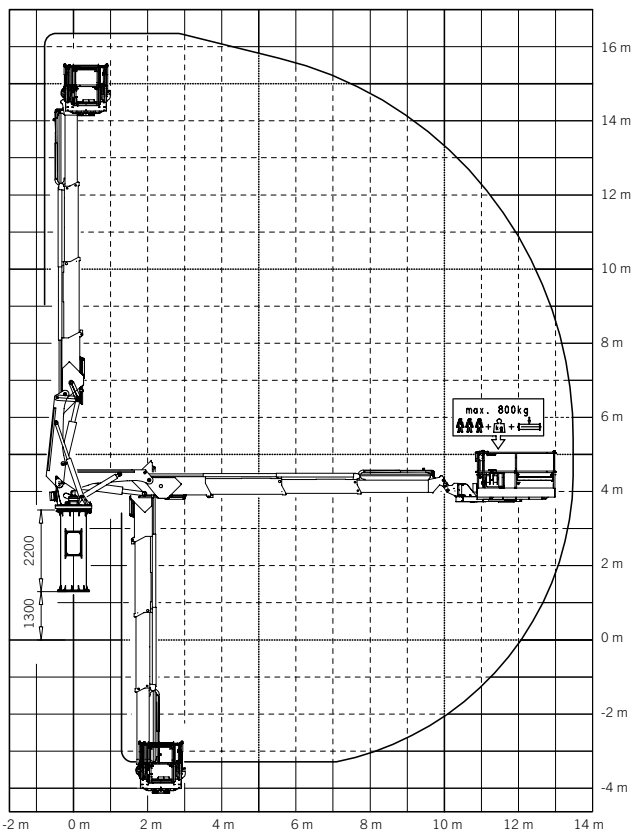
Max. basket payload	800 kg
Max. basket floor / working height	14.1 / 16.1 m
Max. horizontal reach	13.5 m / 13.0 m
Basket dimensions LxW	2.1 x 1.1 m / 1.1 x 2.1 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	300 bar
Operating oil flow	100 l/min

PA 360 A

Max. basket payload	800 kg
Max. basket floor / working height	11.1 / 13.1 m
Max. horizontal reach	15.2 m
Basket dimensions LxW	1.5 x 1.4 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	310 bar
Operating oil flow	100 l/min

PA 360 C

Max. basket payload	400 kg
Max. basket floor / working height	16.9 / 18.9 m
Max. horizontal reach	21.0 m
Basket dimensions LxW	1.5 x 1.4 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	310 bar
Operating oil flow	100 l/min





CONSTRUCTION & MAINTENANCE OF CATENARY SYSTEMS

OVERHEAD LINE AND TUNNEL MAINTENANCE

PA 1002

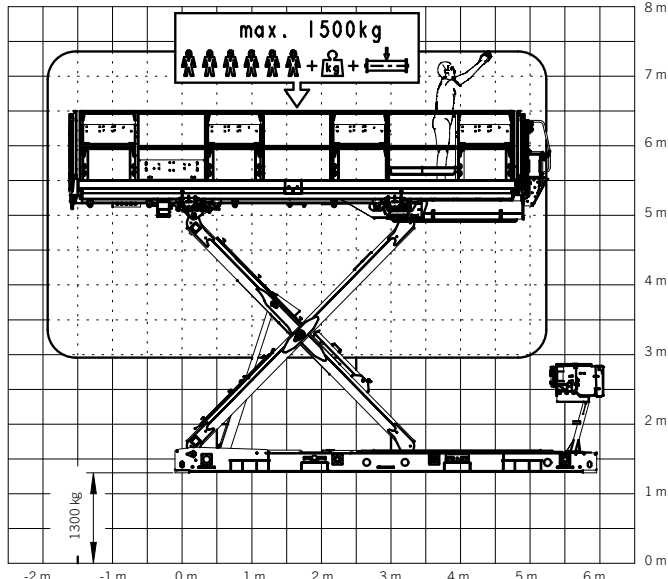
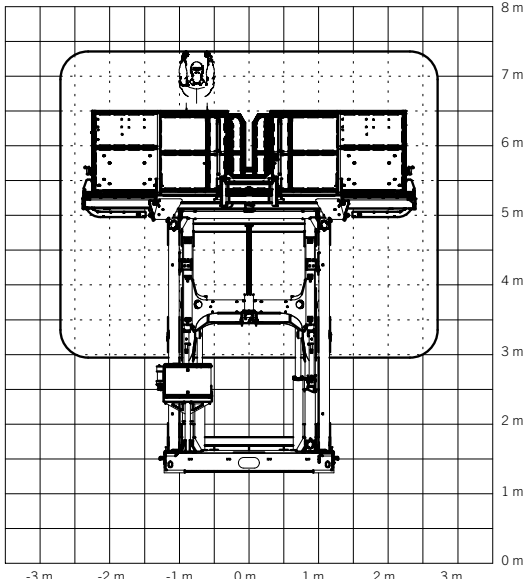
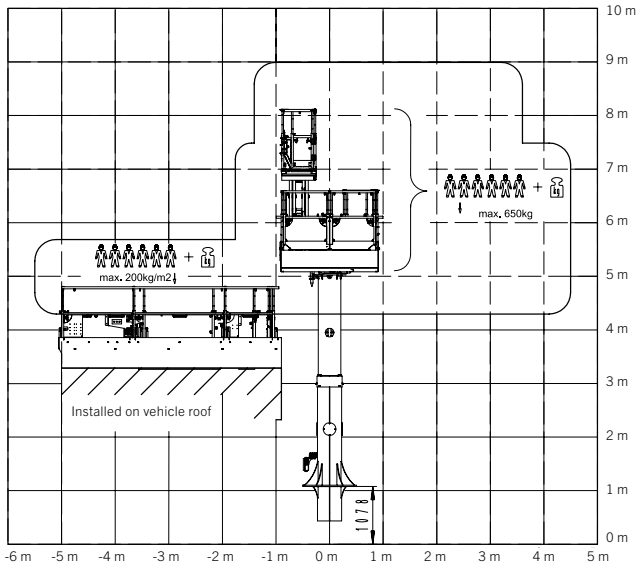
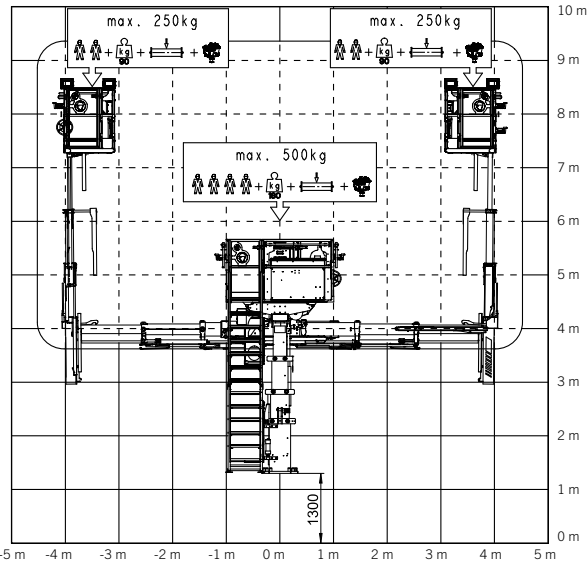
Max. basket payload	500 kg + 2 x 250 kg
Max. basket floor / working height	7.3 / 9.3 m
Max. horizontal reach	4.5 m
Basket dimensions LxW	1.38 x 2.0 + 2 x 2.0 x 0.94 m
Max. permissible operating inclination	8°
Operating pressure	300 bar
Operating oil flow	60 l/min

PA 1650

Max. basket payload	650 kg + 200 kg/m ²
Max. basket floor / working height	7.0 / 9.0 m
Max. horizontal reach	5.5 m
Max. permissible operating inclination	8°
Operating pressure	300 bar
Operating oil flow	60 l/min

PA 1500

Max. basket payload	1,500 kg
Max. basket floor / working height	5.0 / 7.0 m
Max. horizontal reach	2.25 m
Basket dimensions LxW	6.5 x 2.9-4.5 m (extendable)
Max. permissible operating inclination	10°
Operating pressure	300 bar
Operating oil flow	70 l/min



THE CONTACT WIRE AND SUSPENSION CABLE POSITIONERS

Highest efficiency at the construction and maintenance of catenary systems can be achieved by the combined application of our positioners, access platforms and cranes.



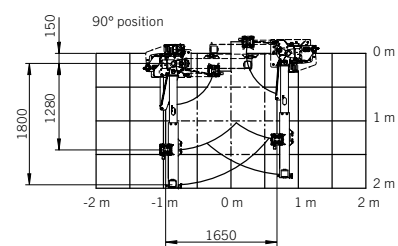
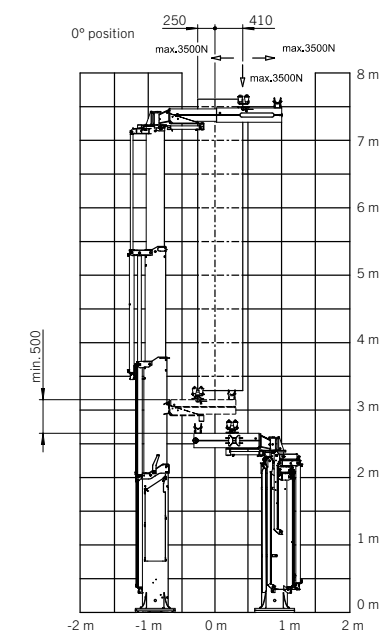
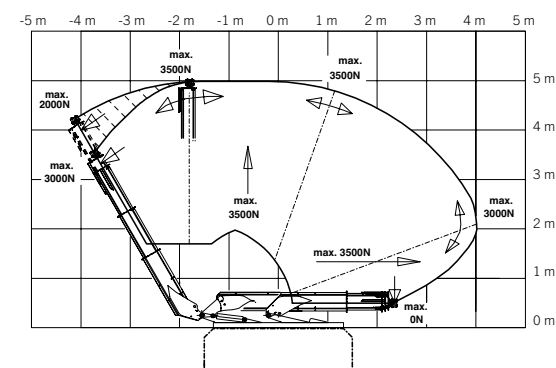
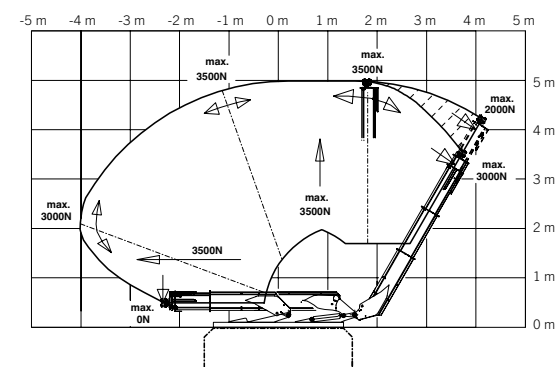
ADJUSTMENT OF WIRE POSITION AND REPLACEMENT OF INSULATORS

PFD 79/99

Max. working height	7.0 m / 9.0 m ^{d)}
Max. tangential force	3.0 kN
Max. extension force	3.5 kN
Operating pressure (at the control valve)	300 bar
Operating oil flow	25 l/min

PFD 85

Max. working height	8.5 m
Max. horizontal force	3.0 kN
Max. vertical force	3.5 kN
Operating pressure (at the control valve)	300 bar
Operating oil flow	25 l/min



d) when installed at a height of 4,000 mm above TOR

BRIDGE INSPECTION UNITS

The extensive working range above road / rail level enables work to be carried out on high cable poles and special bridge constructions. The third boom system can be dismantled allowing the unit to be used for various crane operations.

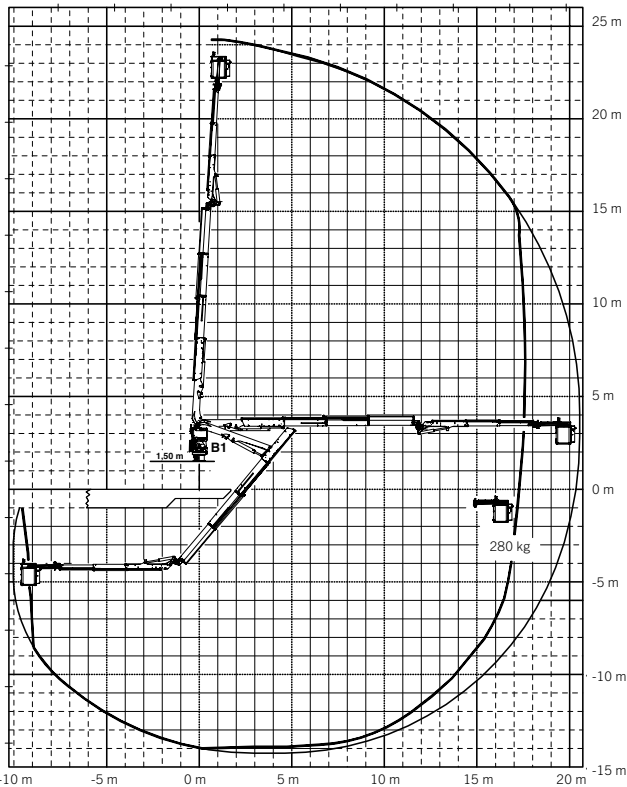


IDEAL FOR ROAD / RAIL AND RAILBOUND VEHICLES

PA 19001

Max. lifting moment ^{a)}	173.4 kNm (17.7 mt)
Slew angle	continuous/opt. 450°
Max. basket payload	280 kg
Max. working height	+ 23.0 / -14.0 m
Max. horizontal reach	+18.0 / - 11.5 m
Basket dimensions LxW	0.8 x 1.0 m
Max. permissible operating inclination ^{b)}	15°
Operating pressure	300 bar
Operating oil flow	60 l/min

	B			
	4.6	6.8	9.0	11.3
	3900	2450	1740	1340
m				
kg				



a) calculated with one extension and retracted | b) lifting capacity / reach reduced accordingly with increasing inclination

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