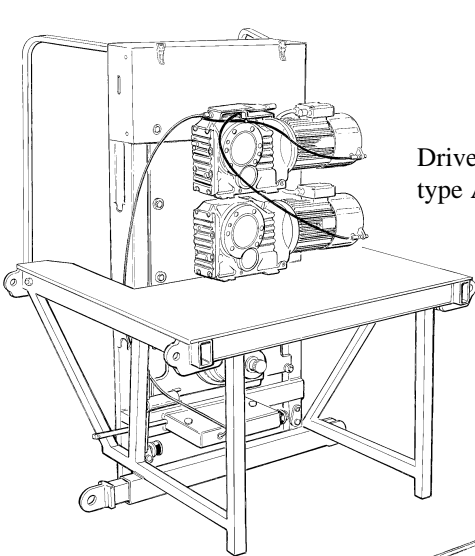


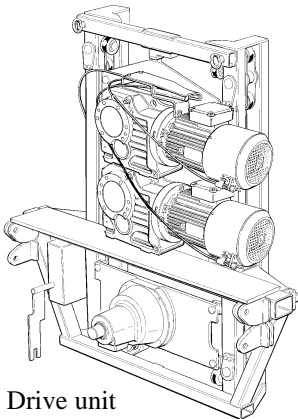


# ALIMAK APF

## Mast Climbing Work Platform

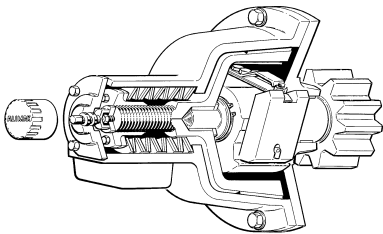


Drive unit  
type APF-50A

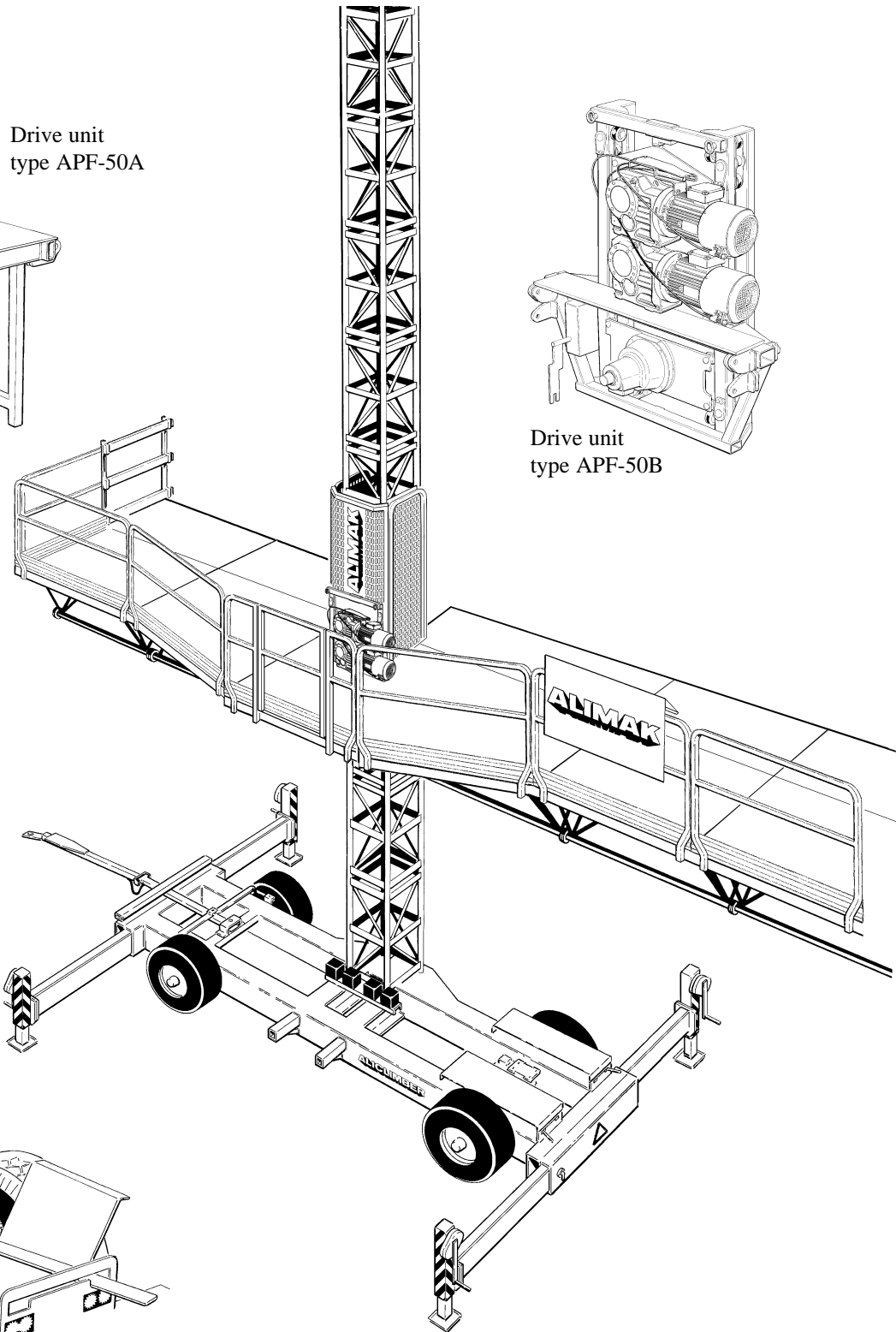
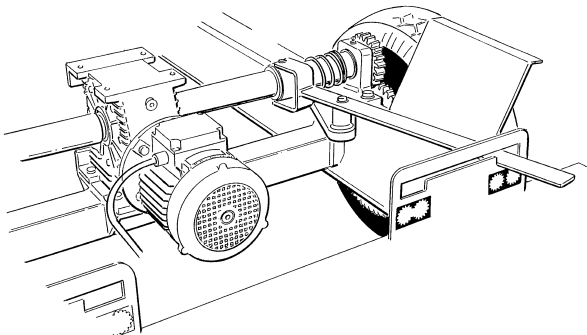


Drive unit  
type APF-50B

Safety device type GF



Optional vertical drive



### Mast Climbing Work Platform modular system



Technical data, Metric units (50Hz)

Capacity	APF-50A		APF-50B	
	Single	Twin	Single	Twin
Min. / Max. platform length	4.4 m / 19.4 m	11.8 m / 43.3 m	–	6.0 m / 28.5 m
Max. pay-load capacity	3970 kg at 4.4 m	7800 kg at 11.8 m	–	8580 kg at 6.0 m
	2490 kg at 19.4 m	4690 kg at 43.3 m	–	6360 kg at 28.5 m
Vertical travel speed	12 m/min.		–	12 m/min.
Horizontal travel speed with optional motor propelled chassis	8 m/min.		–	8 m/min.
Max. lifting height, untied mast with 4 completely extended outriggers on mobile chassis.	22 m outdoors		–	22 m outdoors
	32 m indoors			32 m indoors
Outdoor / Indoor installation				
Max. lifting height, tied mast	100 m		–	100 m
Increased lifting height on request				
Tie distance when installed on mobile chassis	15 m each		–	15 m each
Tie distance when installed on pedestal base	1 <sup>st</sup> = 3 m, 2 <sup>nd</sup> = 6 m, 3 <sup>rd</sup> = 9 m remaining 15 m		–	3 - 6 - 9 and remaining 15 m
Top overhang in Operation.	6 m		–	6 m
Wind speed maximum 12.5 m/sec.				
Top overhang during Erection.	15 m		–	15 m
Wind speed maximum 8 m/sec.				
Dimensions and weights				
Lowest base unit transport height:				
– on pedestal base	2300 mm			2300 mm
– on mobile chassis	2650 mm			2650 mm
Height to platform from ground:				
– on pedestal base	1250 mm			1250 mm
– on mobile chassis	1500 mm			1500 mm
1.5 m platform section: weight	135 kg			135 kg
0.82 m platform section: weight	85 kg			85 kg
Mast section weight:				
length 1.508 m with 1 rack / 2 racks.	112 kg / 128 kg			112 kg / 128 kg
Mobile chassis: weight	1940 kg/pce.			1940 kg/pce.
Pedestal base: weight	320 kg/pce.			320 kg/pce.
Drive unit: weight	670 kg/pce.			610 kg/pce.
Electrical data				
Power – lift machinery	2 x 4.0 kw	4 x 4.0 kw	–	4 x 4.0 kw
Power – travel machinery	1 x 1.5 kw	2 x 1.5 kw	–	2 x 1.5 kw
Voltage / Frequency	380 – 420V 50Hz		–	380 – 420V 50Hz
Control voltage / Frequency	230V 50 Hz		–	230V 50 Hz
Starting current (480V 60Hz)	2 x 40A	4 x 40A	–	4 x 40A
Power consumption	2 x 8kVA	4 x 8kVA	–	4 x 8kVA
Power supply fuses	32A	63A	–	63A

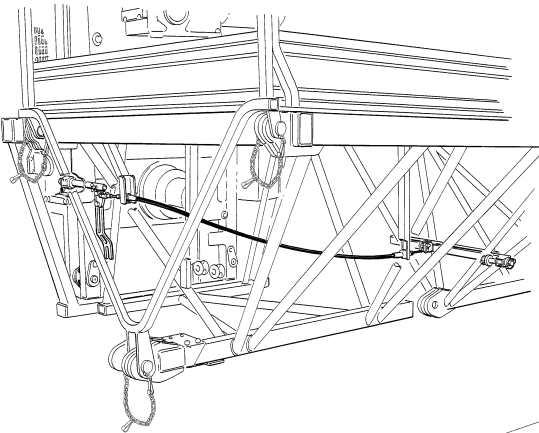


## Technical data, Imperial units (60Hz)

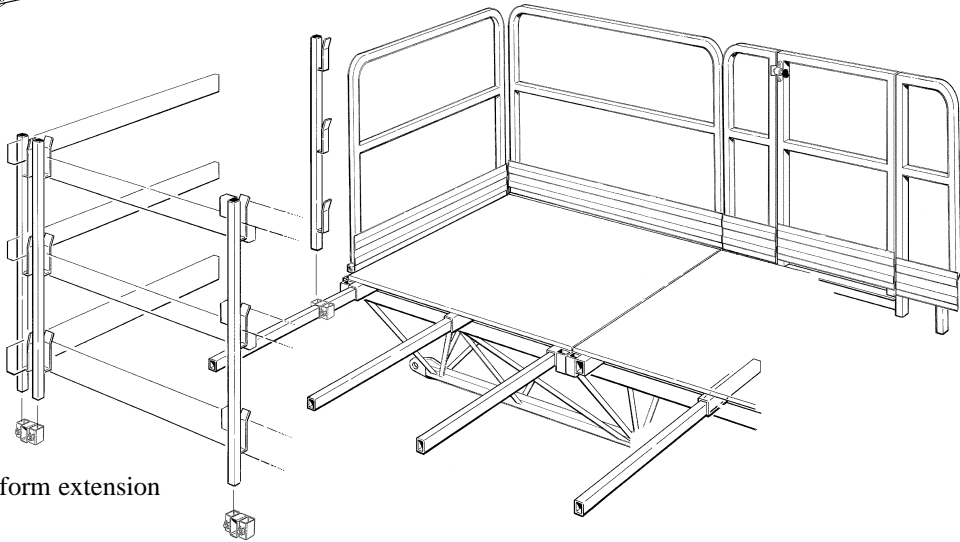
Capacity	APF-50A		APF-50B	
	Single	Twin	Single	Twin
Min. / Max. platform length	14.5 ft. / 64 ft.	39 ft. / 142 ft.	–	20 ft. / 93.5 ft.
Max. pay-load capacity	9,040 lbs. at 14.5 ft.	17,680 lbs. at 39 ft.	–	19,400 lbs. at 20 ft.
	5,780 lbs. at 64 ft.	10,820 lbs. at 142 ft.	–	14,510 lbs. at 93.5 ft.
Vertical travel speed		39 fpm.	–	39 fpm.
Horizontal travel speed with optional motor propelled chassis		30 fpm.	–	30 fpm.
Max. lifting height, untied mast with 4 completely extended outriggers on mobile chassis.		72 ft. outdoors	–	72 ft. outdoors
		105 ft. indoors		105 ft. indoors
Outdoor / Indoor installation				
Max. lifting height, tied mast		330 ft.	–	330 ft.
Increased lifting height on request				
Tie distance when installed on mobile chassis		50 ft. each	–	50 ft. each
Tie distance when installed on pedestal base		1 <sup>st</sup> = 10', 2 <sup>nd</sup> = 20', 3 <sup>rd</sup> = 30' remaining 50 ft.	–	10' - 20' - 30' and remaining 50 ft.
Top overhang in Operation.		20 ft.	–	20 ft.
Wind speed maximum 28 mph.				
Top overhang during Erection.		50 ft.	–	50 ft.
Wind speed maximum 34 mph.				
Dimensions and weights				
Lowest base unit transport height:				
– on pedestal base		7' 6 5/8"		7' 6 5/8"
– on mobile chassis		8' 8 3/8"		8' 8 3/8"
Height to platform from ground:				
– on pedestal base		4' 1 1/4"		4' 1 1/4"
– on mobile chassis		4' 11"		4' 11"
1.5 m platform section: weight		298 lbs.		298 lbs.
0.82 m platform section: weight		188 lbs.		188 lbs.
Mast section weight:				
length 1.508 m with 1 rack / 2 racks.		247 / 282 lbs.		247 / 282 lbs.
Mobile chassis: weight		4300 lbs./pce.		4300 lbs./pce.
Pedestal base: weight		706 lbs./pce.		706 lbs./pce.
Drive unit: weight		1478 lbs./pce.		1345 lbs./pce.
Electrical data				
Power – lift machinery	2 x 4.6 kw	4 x 4.6 kw	–	4 x 4.6 kw
Power – travel machinery	1 x 1.5 kw	2 x 1.5 kw	–	2 x 1.5 kw
Voltage/Frequency		440 – 480V 60Hz	–	440 – 480V 60Hz
Control voltage/Frequency		230V 60 Hz	–	230V 60 Hz
Starting current (480V 60Hz)	2 x 40A	4 x 40A	–	4 x 40A
Power consumption	2 x 5kVA	4 x 5kVA	–	4 x 5kVA
Power supply fuses	30A	60A	–	60A
Outlet for hand tool		1 Phase 110V 16A	–	1 Phase 110V 16A
Outlet for hand tool		1 Phase 240V 10A	–	1 Phase 240V 10A



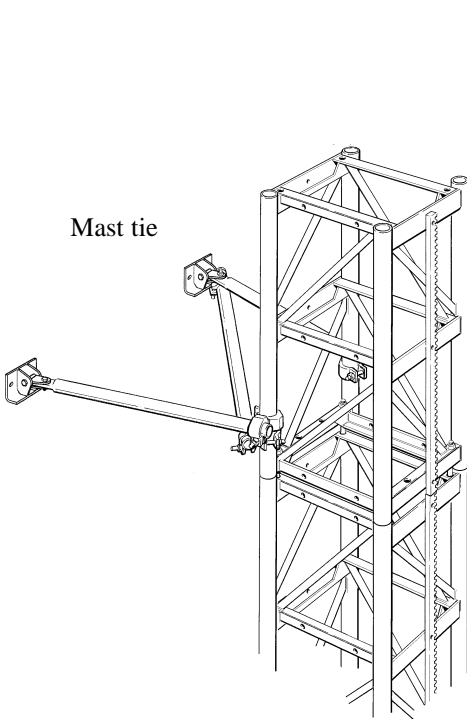
Platform section for around corner installations



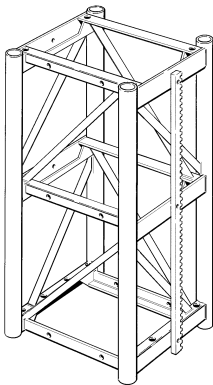
Platform sections with railing



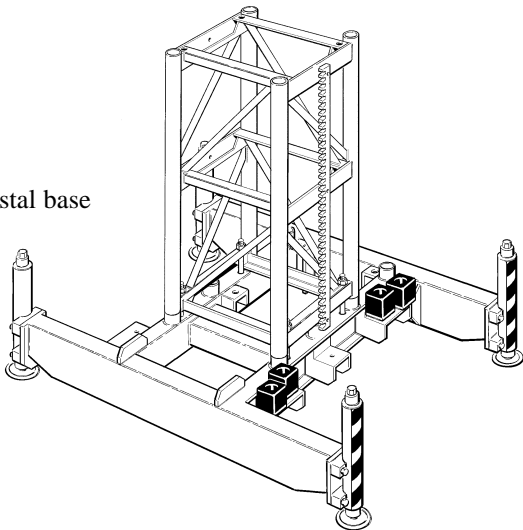
Accessories for platform extension



Mast section



Pedestal base



Alimak AB, P.O. Box 720, SE-931 27 Skellefteå, Sweden. Tel. +46 910 87000. Fax +46 910 56690.

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