

MAINTENANCE PLATFORM

PA60 – PA80 – PA100 – PA120

The SOVAM PA is a self-propelled vehicle designed for maintenance operations on aircrafts. Its unrivaled stability enables the platform to operate at an upper position with winds up to 80kph (50 mph)



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PLATFORME MAINTENANCE

PA60 – PA80
PA100 – PA120

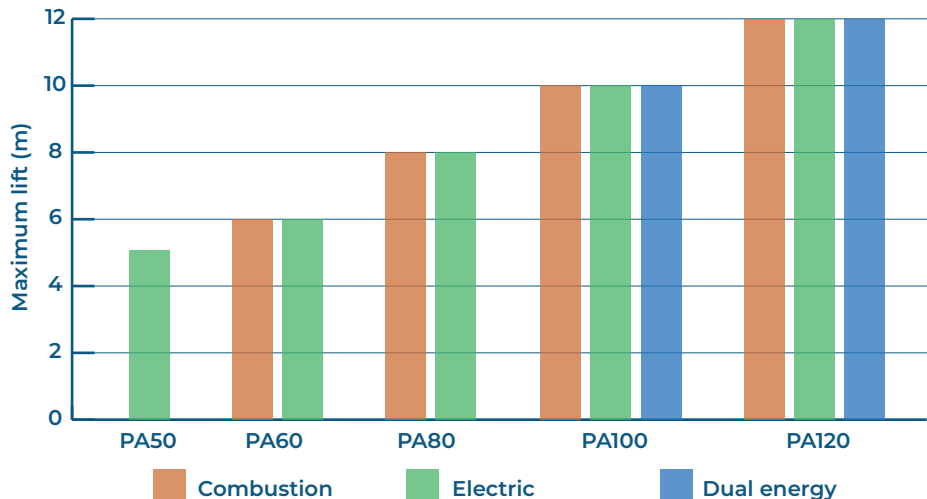


SOVAM ADVANTAGES



Industrial chassis designed by SOVAM
Different types of motorization
Easy access for hydraulic maintenance
Robust and stable equipment
Display on control panel (depending on model)

Heights and motorizations of maintenance platforms



ELECTRIC

Modèles	PA50	PA60	PA80	PA100	PA120
Models	24	80	80	80	80
Traction batteries voltage (V)	360	500	560	560	560
Electric motor power (kW)	4,5	14	14	14	14
Service weight (kg // lb)	2720 // 5997	6080 // 13 404	7600 // 17 196	9730 // 21 451	11200 // 24 692



COMBUSTION ENGINE

Models	PA60	PA80	PA100	PA120
Motorizations available	Stage V Perkins (45 kW // 60 hp) Stage IIIA Perkins (38 kW // 51 hp) Deutz (36 kW // 48 hp or 45kW // 60 hp)			
Fuel tank capacity	60 L // 16 gal			
Service weight (kg // lb)	5200 // 11 464	6700 // 14 771	9000 // 19842	10300 // 22 708



DUAL ENERGY

Models	PA100	PA120
Traction batteries voltage (V)	80	80
Electric motor power (kW)	14	14
Combustion engines available	Perkins (38 kW // 51 hp) Deutz (36 kW // 48 hp)	
Fuel tank capacity	60 L // 16 gal	
Service weight (kg // lb)	10400 // 22 928	11580 // 25 530

SPECIFICATIONS

General data

Models	PA50	PA60	PA80	PA100	PA120
Scissor lift system	Triple	Double	Double	Double	Triple
Maximum platform height (m // ft)	5 // 16.4	6 // 19.7	8 // 26.3	10 // 32.8	12 // 39.4
Maximum working height (m // ft)	7 // 23	8 // 26.3	10 // 32.8	12 // 39.4	14 // 46
Minimum platform height (mm // in)	1430 // 56	1450 // 57	1450 // 57	1500 // 59	2000 // 78,7
Overall length (mm // in)	2250 // 88.6	4700 // 185	5000 // 197	6500 // 256	5650 // 222
Overall width (mm // in)	1600 // 63	1950 // 76.8	2250 // 88.6	2260 //	2500 // 98.4
Overall height (mm // in)	2680 // 106	2550 // 100	2560 // 101	2600 // 102	3150 // 124

Vehicle data

Models	PA50	PA60	PA80	PA100	PA120
Turning radius (mm // in)	3300 // 130	5800 // 228	5800 // 228	7250 // 285	7500 // 295
Ground clearance (mm // in)	86 // 3.4	150 // 5.9	150 // 5.9	150 // 5.9	150 // 5.9
Platform working length (mm // in)	1850 // 72.8	4000 // 157	4300 // 169	5835 // 230	5000 // 197
Platform working width (mm // in)	1100 // 43.3	1450 // 57.1	1800 // 70.9	1800 // 70.9	1950 // 76.8
Deck extension (mm // in)	900 // 35.4	1500 // 59.1	1500 // 59.1	1500 // 59.1	1500 // 59.1
Handrail height (mm // in)	1100 // 43.3	1100 // 43.3	1100 // 43.3	1100 // 43.3	1100 // 43.3

Working data

Models	PA50	PA60	PA80	PA100	PA120
Capacity (daN // lb)	250 // 562	465 // 1045	465 // 1045	465 // 1045	465 // 1045
Number of persons on platform	2	4	4	4	4
Max. lifting speed (m/min // mph)	5 // 0.18	6 // 0.22	6 // 0.22	6 // 0.22	6 // 0.22
Max. travel speed (lowered position)	6 kph 3.7 mph	8 kph 5 mph	8 kph 5 mph	8 kph 5 mph	8 kph 5 mph
Max. speed in low gear (upper position)	1,5 kph 0.9 mph	1,5 kph 0.9 mph	1,5 kph 0.9 mph	1,5 kph 0.9 mph	1,5 kph 0.9 mph
Maximum gradient	5%	5%	5%	5%	5%
Max. banking in upper position	5%	5%	5%	5%	5%



DRIVING

Transmission	Hydrostatic
Tires	Flexible solid tires 18 x 7-8 wheels for PA50 and 7.00 x 15 wheels for PA60 to PA120
Electrical system	24 V
Steering	Hydrostatic power
Braking system	Power brakes, single front disc Vacuum parking brake (wheel hydraulic motors)
Equipment	Safety anchorage rings on platform (according to EN795) (2 or 4 points, depending on model) Lateral rubber protection on platform (Ø85mm // Ø3.4in) Detection to forbid the driving and lowering if the platform is back overhanging

MAINTENANCE PLATFORM

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PA100 – PA120



Stage V engine compartment



Control panel



3-level guardrails



Double scissor lift system

SECURITE

- Wind resistance 80 kph (50 mph) in elevated position, 130 kph (81 mph) in lowered position
- Foldable handrails 3 positions (full height, mid-height and lowered)
- Crossfall sensor forbidding the elevation and the platform back sliding (inclination over 5%)
- Detection forbidding the driving and lowering if the platform is back overhanging
- "Dead man" pedal
- Emergency stop button
- Overload detection device (weight indicator or pressure switch, depending on model)
- Hand pump allowing forward motion and lowering of platform from the chassis
- Standby electric pump control button for platform retraction / descent and assisted steering for towing
- Overload warning buzzers
- Warning buzzer for preventing dangerous moves (for example when moving in reverse and/or when lowering platform)
- Display on control panel giving information on use, safety and maintenance (except PA50)
- Remote control box at the rear of the platform for lifting and extension movements of the deck (except PA50)



Complies with
NF EN1915-1/2/3/4
NF EN 12312-8
Conforms to IATA regulations

OPTIONS

360-degree camera
Non-marking tires

Maintenance display on chassis
(depending on model)

Other options on demand