

CHARACTERISTICS

LOAD SPECIFICATIONS			±
Platform			
- Maximum capacity of basket	kg (lbs)	230 (510)	-
- Maximum wind speed when operating outside	km/h	45	-
- Maximum number of people in the basket (indoor use / outdoor use)		2/2	-
- Unladen platform weight	kg (lbs)	10,050 (22,160)	-
- Authorised maximum tilt	°	5	-
- Traversable slope (+100 kg)	%	40	-
- Maximum authorised lateral manual force	N	400	-
Wheels SOLIDEAL MPT (first version)			
- Load on one front wheel (transport position)	kg (lbs)	2,192 (4,832)	5
- Load on one rear wheel (transport position)	kg (lbs)	2,825 (6,228)	5
- Maximum load on one wheel (working position)	kg (lbs)	6,261 (13,803)	5
- Bearing surface on ground (hard / soft)	cm ²	487/1,530	3
- Punching on ground (hard / soft)	daN/cm ²	12.85/4.09	-
Wheels SOLIDEAL SOLIDAIR AWP (second version)			
- Load on one front wheel (transport position)	kg (lbs)	2,365 (5,214)	5
- Load on one rear wheel (transport position)	kg (lbs)	2,885 (6,360)	5
- Maximum load on one wheel (working position)	kg (lbs)	6,261 (13,803)	5
- Bearing surface on ground (hard/soft)	cm ²	303.2 - 1,003	3
- Punching on ground (hard/soft)	daN/cm ²	20.65 - 6.24	-
SPEEDS AND MOVEMENTS			±
Driving speed			
- WORKING POSITION speed	km/h	0.8	0.1
- TORTOISE speed	km/h	2.5	0.2
- RAMP speed	km/h	2.5	0.2
- HARE speed	km/h	4.7	0.2
Main arm (telescope extended)			
- Unladen/laden lifting	s	31/31	1
- Unladen/laden lowering	s	31/31	1
Main arm (telescope retracted)			
- Unladen/laden lifting	s	22/22	1
- Unladen/laden lowering	s	22/22	1
Secondary arm			
- Unladen/laden lifting	s	23/23	1
- Unladen/laden lowering	s	23/23	1
Telescope			
- Unladen/laden extension	s	23/23	1
- Unladen/laden retraction	s	23/23	1
Jib			
- Unladen/laden lifting	s	24/24	1
- Unladen/laden lowering	s	24/24	1
Turntable			
- 350° rotation (telescope extended/retracted)	s	132/92	1
Basket			
- Left / right rotation	s	12/12	2

ENGINE			±
Type		KUBOTA V2403-M	-
Fuel		Diesel	-
Number of cylinders		4	-
Cubic capacity	cm ³	2434	-
Idling speed unladen	rpm	1285	25
Maximum speed unladen	rpm	2525	25
Power at 3,000 rpm	kW	34.1	-
Maximum torque at 1,600 rpm	N.m	162.5	-
Unladen weight	kg (lbs)	184 (406)	-
Type of cooling		Water	-
Fan		Puller	-
Emissions			
- CO (carbon monoxide)	g/kWh	1.14	-
- HC + Nox (hydrocarbons + nitrogen dioxide)	g/kWh	5.065	-
- PT (particles)	g/kWh	0.311	-
TRANSMISSION			±
Hydrostatic pump			
- Type		BOSCH REXROTH A10VG45	-
- Cubic capacity	cm ³	46	-
- Maximum unladen flow rate	L/min	115	-
- Maximum pressure	bar	335	-
Hydrostatic motor			
- Type		BOSCH REXROTH	-
- Cubic capacity	cm ³	107	-
Axles			
- Type		DANA SPICER	-
- Reduction ratio		43.33	-
- Pulling force	daN	3944	-
- Front axle differential		45% limited slip	-
- Rear axle differential		Hydraulic locking 100%	-
Number of front/rear steering/directional wheels		2/2	-
Number of front/rear drive wheels		2/2	-
Wheels (first version)			
- Type		SOLIDEAL MPT	-
- Dimensions (external Ø x width)	mm	1092 x 432	-
- Inflation		Foam	-
Wheels (second version)			
- Type		SOLIDEAL SOLIDAIR AWP	-
- Dimensions (external Ø x width)	mm	1,025 x 365	-
- Inflation		Solid tyre	-
BRAKE SYSTEM (parking brake)			±
Type of brake		Negative	-
Type of control		Hydraulics	-
Braked wheels front/rear		0/2	-
Release (freewheel mode)		Yes, manual	-
Braking torque	daN.m	2110 on wheel	5%

HYDRAULIC CIRCUIT			±
Auxiliary hydraulic pump			
- Type		BOSCH REXROTH	-
- Cubic capacity	cm ³	22.5	-
- Maximum unladen flow rate	L/min	56	-
Distributor			
- Type		DANFOSS	-
- Maximum pressure	bar	200	5
Filtration			
- Suction	µm	125	-
- Pressure	µm	10	-
- Operation	µm	10	-
ELECTRIC CIRCUIT			±
Battery			
- Type		EXIDE	-
- Capacity C5	Ah	110	-
- Capacity C20	Ah	-	-
- Rated voltage	V	12	-
Alternator			
- Type		-	-
- Maximum current	A	60	-
- Rated voltage	V	12	-
Starter			
- Type		Electric	-
- Power	kW	1.4	-
- Voltage	V	12	-
BACKUP PUMP			±
- Type		Electric	-
- Cubic capacity	cm ³	2	-
- Power	kW	1.3	-
- Voltage	V	12	-
- Pressure 150 bars	A	-	-
DIMENSIONS			±
Basket			
- External dimensions (length x width)	mm	2,100 x 800	1%
- Floor dimensions (length x width)	mm	2,090 x 760	1%
- Rotation angle right/left	°	180/180	1%
Jib displacement angle up/down	°	69/66	1%
Turntable rotation angle (depending on model)	°	355 or continuous rotation	-
Other dimensions: DIMENSIONS AND DIAGRAM			
SOUND AND VIBRATION			±
Acoustic power level LwA (first version / second version)	dB	102/103	-
Vibrations affecting body in the basket			
- Average quadratic values for the body	m/s ²	< 0.5	-

EQUIPMENT		±
Orange rotating beacon light	Standard	-
Hour meter	Standard	-
Proportional diesel level display	Standard	-
Fuel/battery low level alarm	Standard	-
Tool box in basket	Standard	-
User interface (diagnostic aid)	Standard	-
Oscillating front axle	Option	-
Key-locked fuel tank cap	Option	-
Permanent orange rotating beacon light	Option (2)	-
All movements alarm	Option (1) (2)	-
Driving/steering alarm	Option (1) (2)	-
Battery cut-off	Option	-
230 V outlet in basket	Option	-
Generator 110 V/3.5 kW (electric power socket UK)	Option	-
Generator 220 V/3.5 kW	Option	-
Generator 220 V/5 kW	Option	-
Working light	Option	-
Secondary protection system "SafeManSystem"	Option	-
Automatic retraction of telescope (for option "SafeManSystem")	Option (3)	-

(1): Up to machine no. 949266, REPAIR MANUAL.

(2): From machine no. 949267, SUB-MENU DEFINITIONS FROM MACHINE No. 949267.

(3): Depending on version, SUB-MENU DEFINITIONS FROM MACHINE No. 949267.

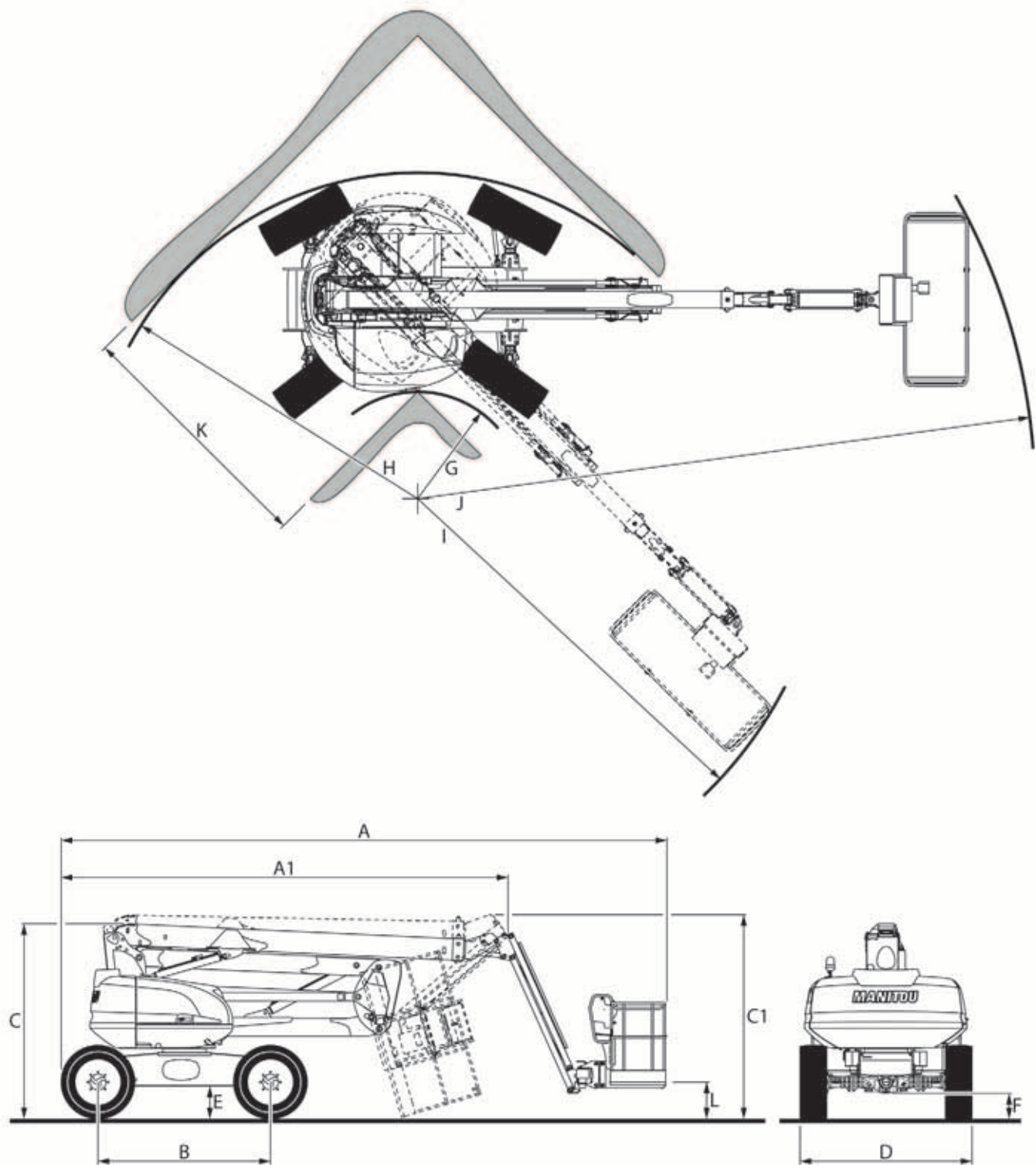
DIMENSIONS AND DIAGRAM

A	mm	8,475 (1)	8,430 (2)
A1	mm	6,260 (1)	6,215 (2)
B	mm	2400	
C	mm	2,700 (1)	2,715 (2)
C1	mm	2,840 (1)	2,855 (2)
D	mm	2400	
E	mm	430 (1)	440 (2)

F	mm	340	
G	mm	1300	
H	mm	3950	
I	mm	5000	
J	mm	7450	
K	mm	3030	
L	mm	495 (1)	505 (2)

(1): Wheels SOLIDEAL MPT (first version).

(2): Wheels SOLIDEAL SOLIDAIR AWP (second version).



G1	mm	3820	
H1	mm	18,375 (1)	18,360 (2)
G2	mm	11470	
H2	mm	8,145 (1)	8,130 (2)
G3	mm	10330	
H3	mm	335 (1)	320 (2)

(1): Wheels SOLIDEAL MPT (first version).

(2): Wheels SOLIDEAL SOLIDAIR AWP (second version).

