

ELECTRIC PUMP

- Power supply	48V
- Power	3.7 kW
- Cubic capacity	8 cm ³ (0.97664 cu0in.)
- Pressure	200 bar

WHEEL ELECTRIC MOTORS

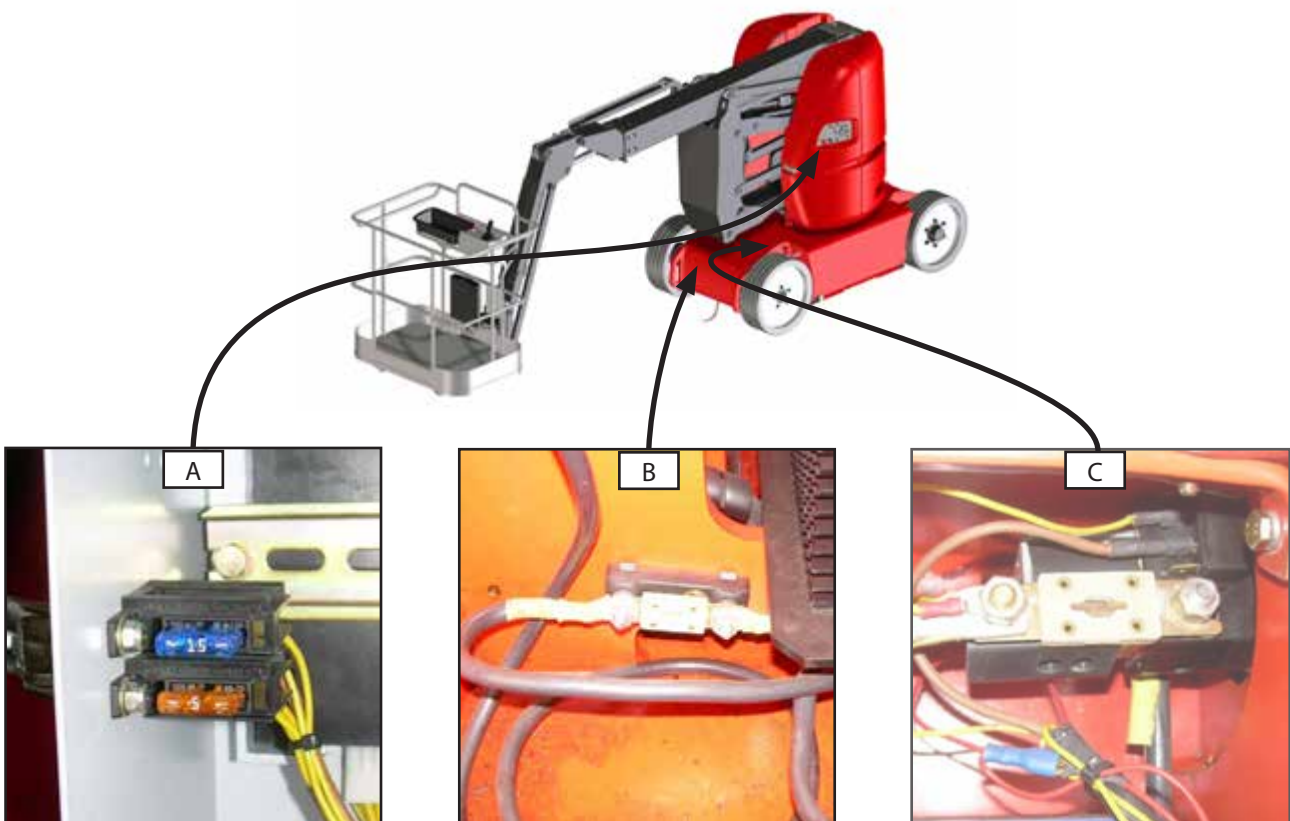
- Type	2 x 4.5 kW
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ELECTRICAL CIRCUIT

- Battery	48 V - 240 Ah
- Charger	48 V - 30 Ah

CARD FUSES

- Electric plate (Emergency station and ground control box)	5 A (1 Fig. A) and 15 A (2 Fig. A)
- Electric pump	100 A (Fig. B)
- Power	325 A (Fig. C)



GENERAL CHARACTERISTICS 120 AETJC

LOAD SPECIFICATIONS		120 AETJC	120 AETJC 3D	TOL ±
Platform				
Capacity for indoor use (Wind 0 Km/h)	kg	200	200	-
Capacity for outdoor use (Wind 45 Km/h)	kg	200	200	-
Number of people in the basket in indoor use		2	2	-
Number of people in the basket in outdoor use		2	2	-
Unladen platform weight	kg	6660	6660	20
Authorised maximum tilt	° - %	3 - 5.2	3 - 5.2	0.1
Gradeability (80 kg)	%	25	25	2
Gradeability (200 kg)	%	25	25	2
Working speed	Km/h	0.6	0.6	0.1
Transport speed (1)	Km/h	6.0	6.0	0.2
Transport speed (2)	Km/h	-	-	0.2
Transport speed (3)	Km/h	-	-	0.2
Wheels				
Front wheel loaded radius (Transport)	mm	295	295	2
Rear wheel loaded radius (Transport)	mm	295	295	2
Load on front wheel (transport position)	kg	1655	1655	5
Load on rear wheel (transport position)	kg	1620	1620	5
Maximum wheel load	kg	4200	4200	5
Bearing surface on ground (hard/soft)	cm ²	212	212	3
Ground bearing pressure (hard / loose)	daN/cm ²	20 / -	20 / -	-
Noise level LwA	dB	-	-	-

HYDRAULIC MOVEMENT (basket control signal)		120 AETJC	120 AETJC 3D	TOL ±
Arm movement 1/2				
Unladen / laden lifting	s	17 / 17	17 / 17	1
Unladen / laden lowering	s	25 / 25	25 / 25	1
Arm movement 3 (telescope extended)				
Unladen / laden lifting	s	26 / 28	26 / 28	1
Unladen / laden lowering	s	24 / 24	24 / 24	1
Telescope movement				
Extended unladen / laden	s	15 / 15	15 / 15	1
Retracted unladen / laden	s	13 / 13	13 / 13	1
Jib movement				
Unladen / laden lifting	s	17 / 19	17 / 19	1
Unladen / laden lowering	s	17 / 17	17 / 17	1
Turntable rotation movement (Telescope extended)				
Rotation through 355° (Telescope Extended / Retracted)	s	80 / 68	80 / 68	1
Basket rotation movement				
Rotation through 66° DRT / 59° GCH	s	8	8	1
JIB movement				
Rotation 140° GCH unladen / Load	s	14	14	1
Rotation 140° DRT unladen / Load	s	14	14	1

ENGINE		120 AETJC	120 AETJC 3D	TOL ±
Type		-		-
Fuel		-	-	-
Number of cylinders		-	-	-
Cubic capacity	cm3	-	-	-
Idling speed unladen (Manufacturer)	rpm	-	-	-
Idling speed unladen (Manitou setting)	rpm	-	-	20
Max. unladen speed (Manufacturer)	rpm	-	-	-
Max. unladen speed (Manitou setting)	rpm	-	-	20
Power ISO/TR (at 2,400 rpm)	HP - kW	-	-	-
Max torque (at 1,600 rpm)	Nm	-	-	-
Weight unladen	kg	-	-	5
Air cleaner	µm	-	-	-
Type of cooling		-	-	-
Fan		-	-	-

TRANSMISSION		120 AETJC	120 AETJC 3D	TOL ±
Type		SEPEX Electrical		-
Supplier		ISKRA		-
Capacity (hydraulic transmission)	cm3	-	-	-
Power (Electric transmission)	kW	2 x 4.5	2 x 4.5	-
Pulling force	daNm	-	-	-
Reduction ratio		51.8	51.8	-
Number of steering wheels				
Front / Rear		2 / 0	2 / 0	-
Number of drive wheels				
Front / Rear		0 / 2	0 / 2	-
Front Axle / Wheel				
Differential		NO SLIPPING		-
Tyre		Direct vulcanisation 600 x 190		-
Supplier		SOLIDEAL		-
Inflation / Pressure	bar	- / -	- / -	0.2
Rear Axle / Wheel				
Differential		NO SLIPPING		-
Tyre		Direct vulcanisation 600 x 190		-
Supplier		SOLIDEAL		-
Inflation / Pressure	bar	- / -	- / -	0.2

BRAKE SYSTEM (Parking brake)		120 AETJC	120 AETJC 3D	TOL ±
Type of brake		negative		-
Type of control		hydraulics		-
Braked wheels		2 rear wheels		-
Release (freewheel mode)		screw		-
Braking torque per rear wheel	daNm	378		0.5

VIBRATION LEVEL		120 AETJC	120 AETJC 3D	TOL ±
Average quadratic values for the body	m/s ²	<0.5	<0.5	-

HYDRAULIC CIRCUIT		120 AETJC	120 AETJC 3D	TOL ±
(Main) hydraulic pump				
Type		Gear		-
Cubic capacity	cm ³	8.25	8.25	-
Flow rate at nominal unladen rpm	l/mn	-	-	-
Flow rate at max. unladen rpm	l/mn	15	15	-
Maximum service pressure	bar	200	200	5
(Auxiliary) hydraulic pump				
Type		-		-
Cubic capacity	cm ³	-	-	-
Flow rate at nominal unladen rpm	l/mn	-	-	-
Flow rate at max. unladen rpm	l/mn	-	-	-
Maximum service pressure	bar	-	-	5
Filtration				
Return	µm	90	90	-
Suction	µm	25	25	-
Pressure	µm	-	-	-

ELECTRIC CIRCUIT		120 AETJC	120 AETJC 3D	TOL ±
Battery				
Supplier (Original equipment)		HAWKER		-
Capacity C5	Ah	240	240	-
Capacity C20	Ah	300	300	-
Rated voltage	V	48	48	-
Type		Traction		-
EARL cycle		60	60	-
Charger				
Supplier (Original equipment)		IES		-
Maximum current	Ah	30	30	-
Rated voltage	V	48	48	-
Electric pump				
Power	kW	3.7	3.7	-
Supply voltage	V/DC	48	48	-
Current	A	100	100	5
S2 (temporary operation)	min.	18	18	2
S3 (alternate operation)	%	30	30	2
Alternator				
Type		-	-	-
Current	A	-	-	-
Voltage	V	-	-	-
Starter				
Type		-	-	-
Power	kW	-	-	-
Voltage	V	-	-	-

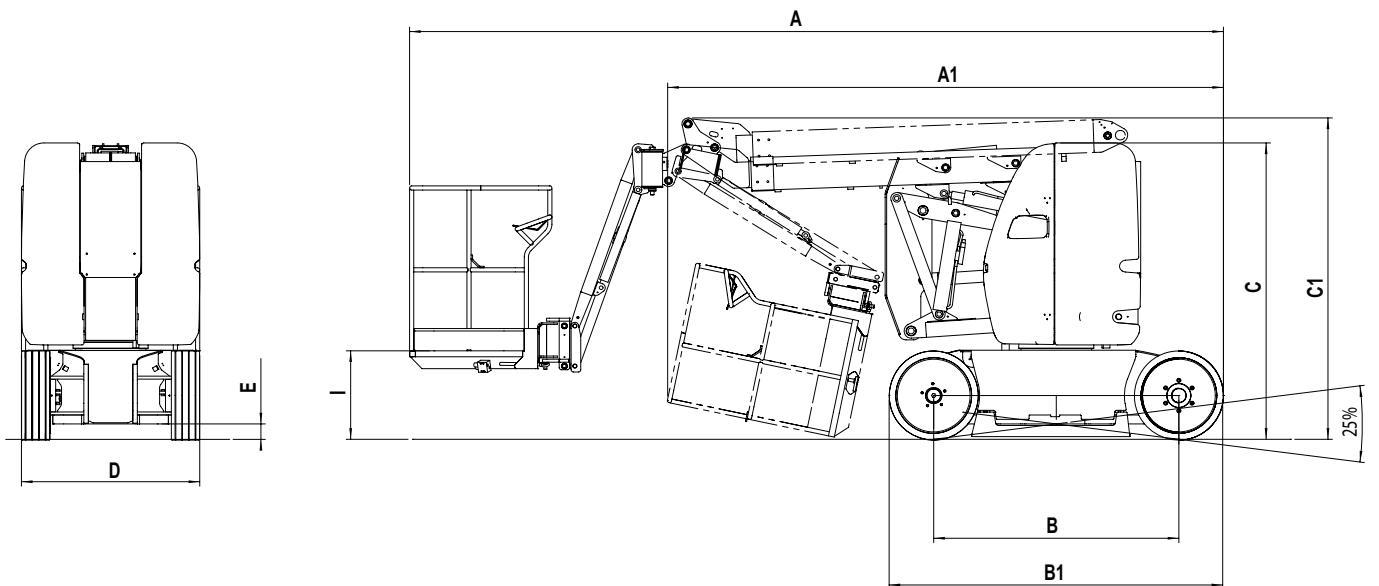
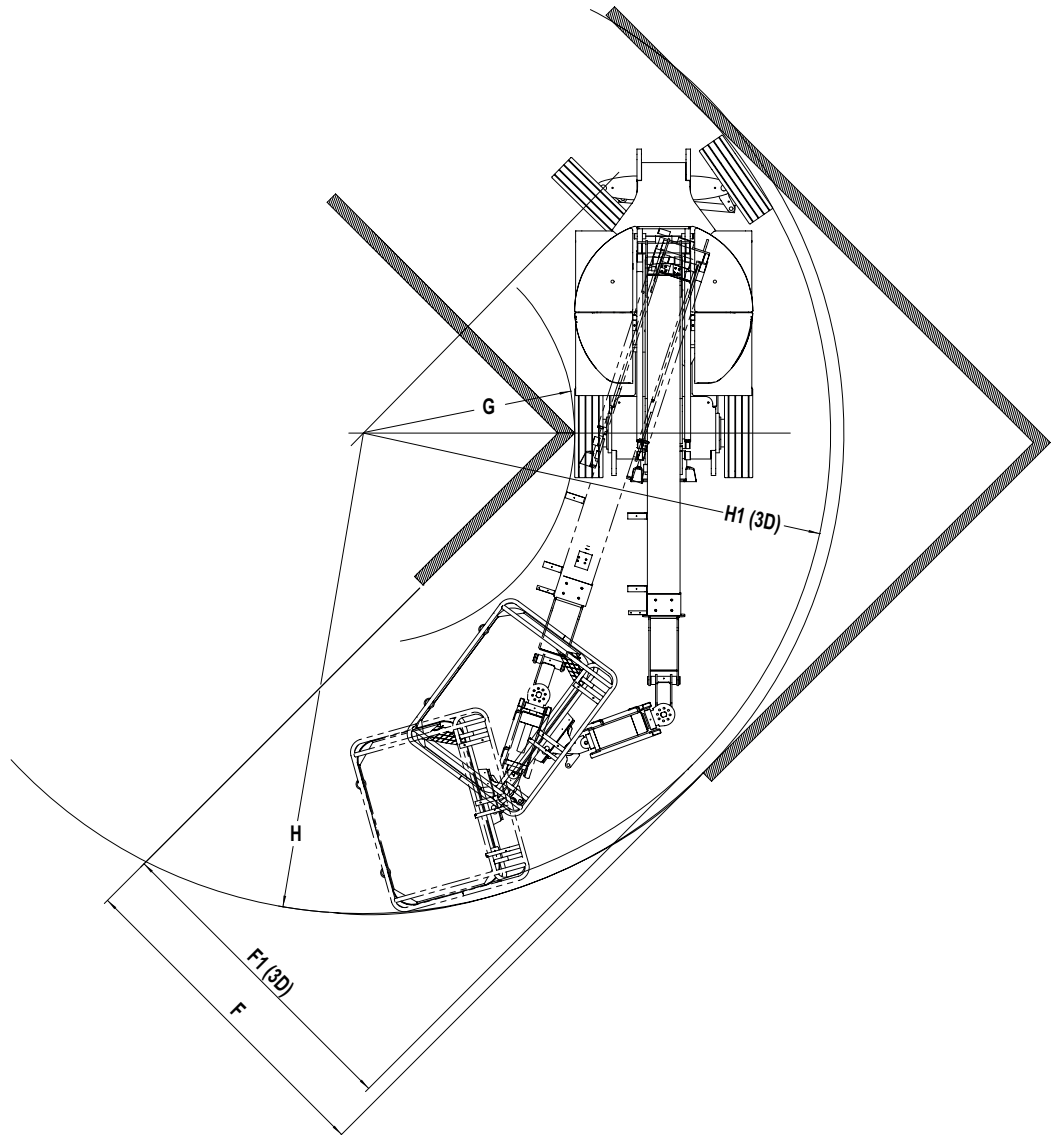
DIMENSIONS		120 AETJC	120 AETJC 3D	TOL ±
Transport position				
Width	mm	1200	1200	1%
Length	mm	5477	5477	2%
Length (truck transport)	mm	3740	3740	2%
Height	mm	1994	1994	2%
Floor height	mm	400	400	1%
Turntable overrun	mm	0	0	2%
Working position				
Working height	mm	11950	11950	1%
Floor height	mm	9950	9950	1%
Max. work outreach	mm	7000	7000	1%
Overhang	mm	6400	6400	1%
Ground clearance under frame 1	mm	100	100	2%
Ground clearance under frame 2	mm	-	-	2%
Max. angle under frame	°/%	14.9 / 26.6	14.9 / 26.6	2%
Inner turning radius (2 wheels/4 wheels)	mm	1550 / -	1550 / -	3%
Outer turning radius (2 wheels/4 wheels)	mm	3340 / -	3340 / -	3%
Basket				
Size	mm	1,200 x 922		1%
Floor area	mm	1,191 x 766		1%

CAPACITY		120 AETJC	120 AETJC 3D	TOL ±
Hydraulic oil tank	l	18	18	1
Fuel tank	l	-	-	2
Engine oil sump	l	-	-	2
Cooling circuit	l	-	-	2

EQUIPMENT		120 AETJC	120 AETJC 3D	TOL ±
Backup pump				
Type		Manual		-
Cubic capacity	cm3	25	25	-
Power	kW	-	-	-
Voltage	V	-	-	-
Current	A	-	-	-
S2	mn	-	-	-
S3	%	-	-	-
All movements beep		Option		-
Flashing lights/Rotating beacon light		Option		-
Hour meter		Standard		-
230 V provision		Standard		-
Proportional diesel level display		-		-
Fuel/battery low level alarm		Standard		-
Dead man pedal		-		-
Basket tool box		Standard		-
User interface (diagnostic aid)		Standard		-
Oscillating axle		-		-
Safe Man System		Option		-

DIMENSIONS 120 AETJC

A	5477
A1	3740
B	1650
B1	2245
C	1994
C1	2171
D	1200
E	104
F	2228
F1	2138
G	1550
H	3340
H1	3250
I	595



J1	2483	K1	9950
J2	3242	K2	8794
J3	6506	K3	4773
J4	4353	K4	595

