

DIECI



APOLLO-€ SMART

20.4



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PERFORMANCE	
Vehicle model	APOLLO-e 20.4 SMART
Maximum capacity	2000 kg (4409 lb)
Maximum lifting height	4.35 m (14.3 ft)
Maximum horizontal extension	2.57 m (8.4 ft)
Fork swiveling angle	133°
Pull-out force	3365 daN (7565 lbf)
Towing force	3150 daN (7081 lbf)
Unladen weight	4100 kg (9039 lb)
Maximum climb angle	55 %
Max speed (referred to wheels with maximum permitted diameter)	20 km/h (12.4 mph)

BOOM	
Vehicle model	APOLLO-e 20.4 SMART
Getting off the basket	3,5 s
Lifting	5.82 s
Extension	4.9 s
Retraction	3 s
Forward swiveling	2.61 s
Reverse swiveling	3,5 s

ELECTRIC MOTOR	
Vehicle model	APOLLO-e 20.4 SMART
Traction Motor Type	Asynchronous
Traction Motor Nominal Voltage	96 V
Traction Motor Cooling	Air
Traction Motor Rated Power	19 kW (25 HP)
Traction Motor Power Reference	S2 60'
Traction Motor Peak Power	56 kW (75 HP)
Hydraulic Motor Type	Reluctance synchronous
Hydraulic Motor Nominal Voltage	96 V
Hydraulic Motor Cooling	Air
Hydraulic Motor Rated Power	22 kW (30 HP)
Hydraulic Motor Power Reference	S3 15%
Hydraulic Motor Peak Power	27 kW (36 HP)

BATTERY	
Vehicle model	APOLLO-e 20.4 SMART
Standard Battery Type	Lithium Ion
Standard Battery Chemistry	LiFePo
Standard Battery Nominal Voltage	96 V
Standard Battery Capacity (Ah)	228 Ah
Standard Battery Capacity (kWh)	22 kWh
STANDARD battery charging time (220V)	5.3 h
STANDARD battery charging time (400V)	2.7 h
STANDARD battery charging time with external charger (400V)	1 h
ON-BOARD Charger Compatibility	110V-220V-400V-IEC 61851 mode 2 and 3 with socket type 2
ON-BOARD charger power (220V)	3.3 kW
ON-BOARD charger power (400V)	6.6 kW
Optional EXTERNAL charger power	18 kW

TRANSMISSION	
Vehicle model	APOLLO-e 20.4 SMART
Transmission type	Single-speed Electric
Reversal	N.A.
Drive mode	ECO-NORMAL-POWER

DIFFERENTIAL AXLES	
Vehicle model	APOLLO-e 20.4 SMART
Type of axles	2 steering, with 4 epicycloidal reduction gears
Type of steering	4 wheels / transversal / 2 wheels
Front axle	Rigid
Rear axle	Swinging
Service braking	Disk on rear axle
Parking braking	Manually activated on rear axle

HYDRAULIC SYSTEM	
Vehicle model	APOLLO-e 20.4 SMART
Hydraulic pump type	Gear pump Low Noise for power steering and movements
Hydraulic pump capacity	62 l/min (16.4 gal/min)
Max. operating pressure	23 MPa (3336 psi)
Distributor control	Electrically operated proportional 4in1 joystick
Distributor type	Single-lever proportional hydraulic with simultaneous controls and ALS system

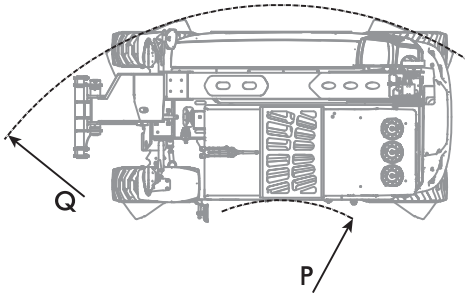
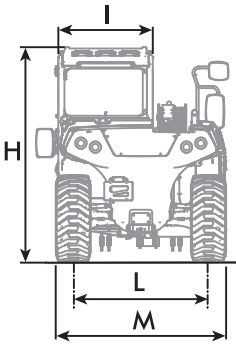
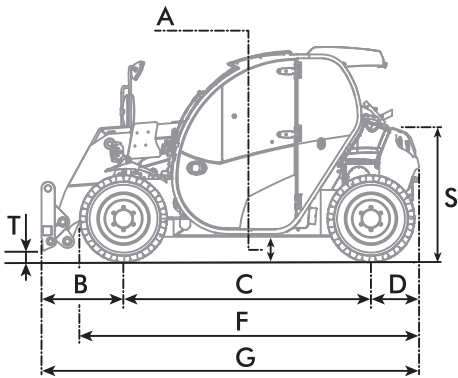
FILLING	
Vehicle model	APOLLO-e 20.4 SMART
Hydraulic system (total)	70 l (18.49 gal)

TYRES

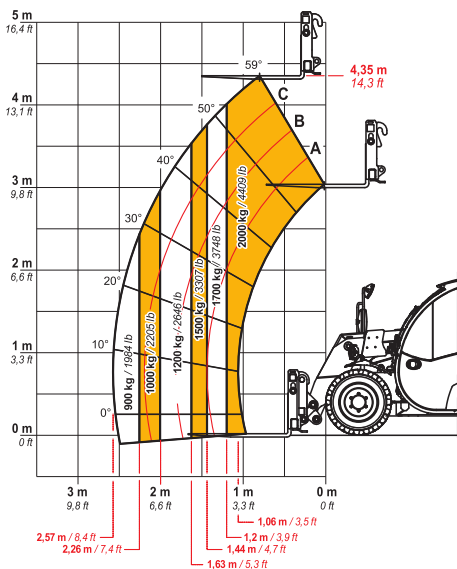
Vehicle model	APOLLO-e 20.4 SMART
Standard tires	12-16.5

DIMENSIONS

Vehicle model	APOLLO-e 20.4 SMART
A	200 mm (7.9 in)
B	750 mm (29.5 in)
C	2250 mm (88.6 in)
D	453 mm (17.8 in)
F	3100 mm (122.0 in)
G	3450 mm (135.8 in)
H	1940 mm (76.4 in)
I	860 mm (33.9 in)
L	1230 mm (48.4 in)
M	1550 mm (61.0 in)
P	1395 mm (54.9 in)
Q	3170 mm (124.8 in)
S	1206 mm (47.5 in)
T	96 mm (3.8 in)



MAX
2000 kg / 4409 lb



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