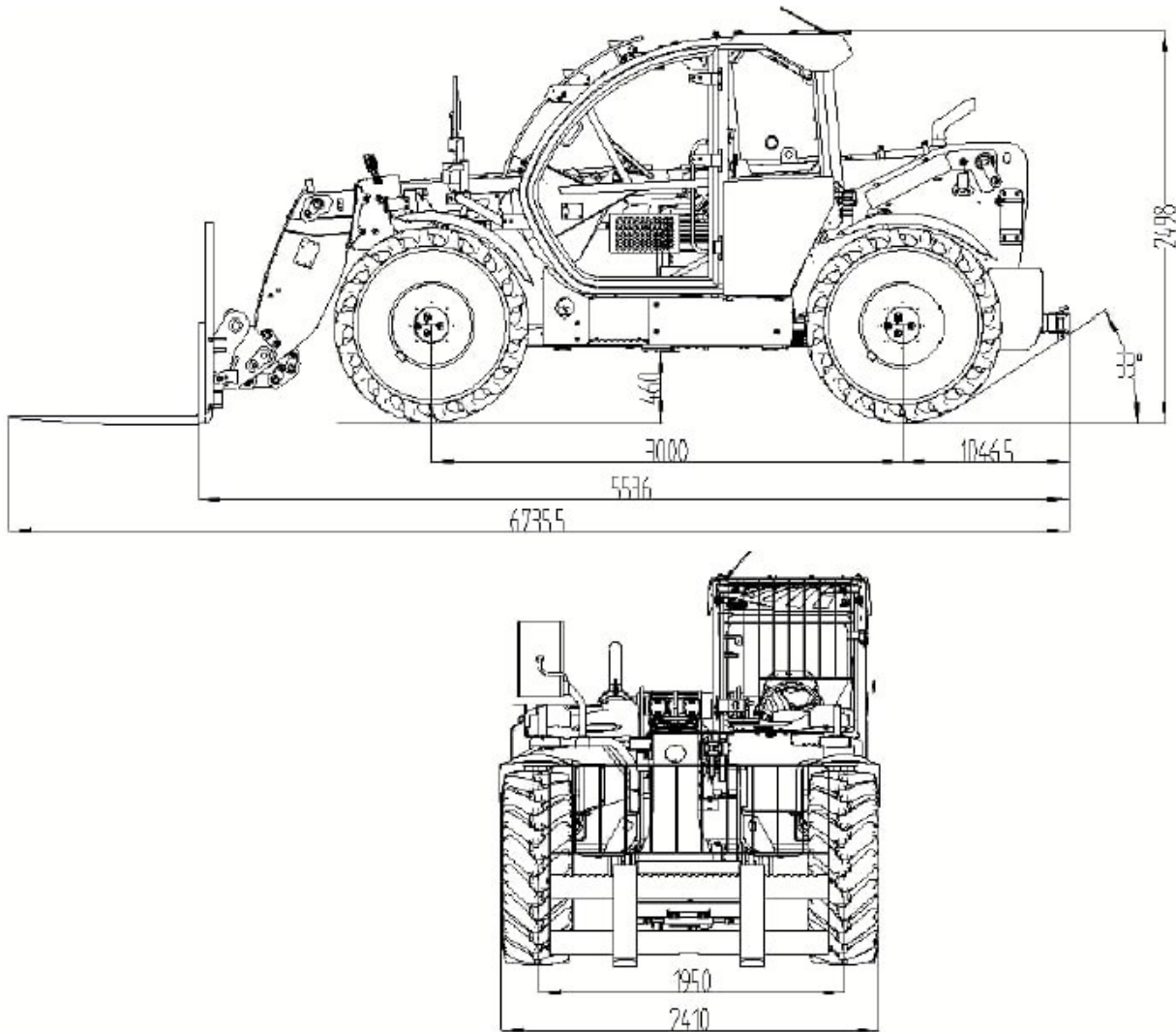


HA845 Machine parameters



1. Overall performance parameters-1

Item		Parameter	Item	Parameter
Rated load capacity (kg)		4500	1st boom raise time (s)	6.4±1
Overall weight (kg)		9550	1st boom lower time (s)	4.6±1
Maximum working height (m)		7.6	2nd boom extend time (s)	6.1±1
Maximum horizontal reach (m)		4.45	2nd boom retract time (s)	5.2±1
Reach at maximum height (m)		0.91	Level cylinder extend time (s)	3±1
Forward	Speed in 1st gear (km/h)	5	Level cylinder retract time (s)	2.3±1
	Speed in 2nd gear (km/h)	9	Fork pitching back angle (°)	12
	Speed in 3rd gear (km/h)	14	Fork pitching forward (°)	135
	Speed in 4th gear (km/h)	20	Drive mode	4-wheel drive 4-wheel steer



	Speed in 5th gear (km/h)	27	Theoretical gradeability (no-load and stowed)	45%
	Speed in 6th gear (km/h)	40	Maximum traction (KN)	90
Reverse	Speed in 1st gear (km/h)	6	Bucket digging force (daN)	5857
	Speed in 2nd gear (km/h)	13	Maximum braking distance (no-load and stowed) (20km/h) (m)	10.2
	Speed in 3rd gear (km/h)	26	Minimum turning radius (m)	4.32

2. Main dimensions

Item	Parameter	Item	Parameter
Overall length (mm)	5540	Wheelbase (mm)	3000
Overall width (mm)	2410	Track width (mm)	1950
Overall height (mm)	2450	Min. ground clearance (mm)	410

3. Engine system

Item	Parameter	Item	Parameter
Model	Perkins 1104D-E44TA	Rated speed (r/min)	2200
Displacement (ml)	4400	Maximum torque (Nm)	558/1400rpm
Rated power (kW)	106	Emission standard	EU Stage III

4. Drive chain

Item			Parameter
Transmission	Type		A/MT
	Gear		6 forward gears and 3 reverse gears
	Gear ratio	Forward gear	4.945/3.502/2.289/1.621/1.159/0.821
		Reverse gear	4.969/2.3/1.165
Front axle	Overall gear ratio		15.692
	Brake type		Multi-disc wet brake
Rear axle	Overall gear ratio		15.692
	Brake type		Multi-disc wet brake
Wheel assembly	Tire Model		460/70 R24
	Inflation pressure (MPa)		0.5
	40km/h single-tire load (kg)		5300

5. Hydraulic system

Item	Parameter
Type	Load sensitive system
Pump displacement (ml/r)	76
Maximum working pressure (MPa)	27.5
Steering system pressure (MPa)	19
Brake system pressure (MPa)	5.5

6. Electronic control system

Battery	Output voltage (V)	12
	20-hour Ah	180
Control system	Voltage (V)	12

7. Refilling capacity

Item	Condition	Grade	Capacity	Remarks
Hydraulic oil	Minimum temperature > -25 °C	L-HV46 low temperature hydraulic oil	150L	Recommended Chevron
	-40 °C < minimum temperature ≤ -25 °C	L-HS32 ultra-low temperature hydraulic oil		
	Minimum air temperature ≤ -40 °C	No. 10 Aviation hydraulic fluid		
Engine oil	Working environment temperature -20°C ~ 40°C	15W-40	8.5L	API CH-4
	Working environment temperature: -25°C ~ 30°C	10W-30		
	Working environment temperature: -30°C ~ 30°C	5W-30		
	Working environment temperature: -35°C ~ 20°C	0W-20		
Diesel fuel	Ambient temperature ≥ 4°C	#0 diesel fuel	150L	EN590 ULSD
	Ambient temperature ≥ -5°C	#-10 diesel fuel		
	Ambient temperature ≥ -14°C	#-20 diesel fuel		
	Ambient temperature ≥ -29°C	#-35 diesel fuel		
Antifreeze	The lowest temperature ≥ -25°C	The ethylene glycol content is 50%	10L	Meet ASTM D6210 standard