



PALING
TRANSPORTER LTD.

Drivetrain			Standard on LT40188
Engine	Manufacture - Type Designation		Caterpillar - C9
	Fuel - type of engine		Diesel
	Rating ISO 3046 - at revs	rpm	1800 rpm
	Peak torque ISO 3046 - at revs	rpm	1400 rpm
	Number of cylinders - displacement	inch ³	6 - 537
	Fuel consumption, normal driving	g/hr	6.3
Gearbox	Manufacture - Type Designation		Dana - T40000
	Clutch, type		Full Powershift
	Gearbox, type		Torque Converter
	Number of gears, forward - reverse		4 - 4
Alternator	Type - power		AC - 1560 W
Starting battery	Voltage - capacity		2x12 V - 1280 CCA
Driving axle	Manufacture - Type		Axletech-Differential
Noise level	LpAZ (inside) Sprit Delta	dB(A)	75 max
	LWA (outside)	dB(A)	---

Performance - Caterpillar C9 with Dana T40000 313 kW Transmission				
Lifting Speed	Unloaded	ft/s	1.3	
	at rated load	ft/s	1.2	
Lowering speed	Unloaded	ft/s	0.7	
	at rated load	ft/s	1.3	
Traveling speed - forward - reverse	Unloaded	m/h	20	
	at rated load	m/h	15	
Gradeability	Max Unloaded	%	45%	
	at rated load	%	35%	
	At 2 km/h Unloaded	%	45%	
	at rated load	%	31%	
Maintenance Intervals on Lift Truck			500 hrs	

Dimensions				
Lift Capacity	Rated		40 ton	
	Load Center		48"	
Truck	Length - without forks		285"	
	Width		149"	
	Height, Basic Machine		168"	
	Seat Height		119"	
	Distance between center of front axle - front face of forks		51"	
	Wheel base		188"	
	Track (c-c) front to back width		106"/ 93"	
	Turning radius outer		287"	
	Turning radius inner		67"	
	Ground clearance min.		8"	
	Min. aisle width for 90 deg steering		18.3'	



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Standard Mast	Lifting Height		149"
	Mast height min.		168"
	Mast height max.		240"
	Mast tilting forward - backward		5° - 7°
	Ground clearance min.		8"
Forks	Width		12"
	Thickness		5.5"
	Length of fork arm		96"
Weight	Service Weight		117965 lbs
	Axle Load - Drive	Without load	48840 lbs
		With load	170968 lbs
	Axle Load - Steer	Without load	69125 lbs
		With load	26997 lbs
Wheels	Type		Pneumatic
	Dimensions - Front/Rear		18.00-R25 / 18.00-R25
	Number of wheels, front-rear		4 - 2
	Pressure		130 lbs/inch ²
Steering System	Type - Manoeuvring		Orbitrol steering valve with tilt steering column & steering wheel
Service Brake System	Type - affected wheels		Wet disc brakes - drive axle (4) wheels
Parking Brake System	Type - affected wheels		Rear (2) wheels
Misc.	Hydraulic pressure - max.		2500 lbs/inch ²
	Hydraulic fluid volume		110 gallon
	Fuel volume		110 gallon