

# ***DIECI***



## ***DUMPER***

***DP 70 | DP 120 | DP 120 T***



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PERFORMANCE

Vehicle model	DP 70	DP 120	DP 120 T
Maximum capacity	7000 kg (15432 lb)	10800 kg (23810 lb)	10500 kg (23149 lb)
Caisson capacity (level)	4.2 m³ (148 ft³)	6.5 m³ (230 ft³)	5.3 m³ (187 ft³)
Caisson capacity (heap)	5.3 m³ (187 ft³)	7.5 m³ (265 ft³)	6,3 m³ (222 ft³)
Unladen weight	6600 kg (14551 lb)	7200 kg (15873 lb)	7660 kg (16887 lb)
Maximum climb angle	-	30 %	30 %
Max speed (referred to wheels with maximum permitted diameter)	24 km/h (14.9 mph)	27 km/h (16.8 mph)	27 km/h (16.8 mph)

ENGINE

Vehicle model	DP 70	DP 120	DP 120 T
Brand	Perkins	Perkins	Perkins
Nominal power	85,9 Kw (115 HP)	100 Kw (134 HP)	100 Kw (134 HP)
@rpm	2200 rpm	2200 rpm	2200 rpm
Peak power	85,9 Kw (115 HP)	100 Kw (134 HP)	100 Kw (134 HP)
@rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke	4-stroke
Injection	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	3621 cm³ (221 in³)	3621 cm³ (221 in³)	3621 cm³ (221 in³)
Consumption	216 g/kWh (355.32 lb/Hp h)	216 g/kWh (355.32 lb/Hp h)	216 g/kWh (355.32 lb/Hp h)
@rpm	1900 rpm	1900 rpm	1900 rpm
Emission standards	Stage V/Tier 4f	Stage V/Tier 4f	Stage V/Tier 4f
Exhaust gas treatment	DOC+DPF+SCR (with AdBlue)	DOC+DPF+SCR (with AdBlue)	DOC+DPF+SCR (with AdBlue)
Cooling system	Liquid	Liquid	Liquid
Intake	16-valve turbocharger with aftercooler	16-valve turbocharger with aftercooler	16-valve turbocharger with aftercooler
Air filter	Air self-cleaning pre-filter and fuel pre-filter	Air pre-heating and air self-cleaning pre-filter	Air pre-heating and air self-cleaning pre-filter

TRANSMISSION

Vehicle model	DP 70	DP 120	DP 120 T
Transmission type	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment
Reversal	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic
Inching	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement	With hydraulic pedal for controlled forward movement
Gearbox	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed

DIFFERENTIAL AXLES

Vehicle model	DP 70	DP 120	DP 120 T
Type of axles	2 steering, with 4 epicycloidal reduction gears	2 steering, with 4 epicycloidal reduction gears	2 steering, with 4 epicycloidal reduction gears
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking
Rear axle	Self-locking	-	-
Service braking	Oil bath with servo brake on front and rear axles	Oil bath with servo brake on front and rear axle	Oil bath with servo brake on front and rear axle
Parking braking	Acting on the rear axle	Acting on the front axle	Acting on the front axle

FILLING

Vehicle model	DP 70	DP 120	DP 120 T
Hydraulic system (total)	100 L (26.42 gal)	100 L (26.42 gal)	100 L (26.42 gal)
Diesel tank	90 l (23.78 gal)	200 l (52.83 gal)	200 l (52.83 gal)

TYRES

Vehicle model	DP 70	DP 120	DP 120 T
Standard tires	16/70-20"	405/70-24	405/70-24

DIMENSIONS

Vehicle model	DP 70	DP 120	DP 120 T
A	360 mm (14.2 in)	455 mm (17.9 in)	420 mm (16,5 in)
A1	3840 mm (151.2 in)	4950 mm (194.9 in)	4800 mm (189.0 in)
A2	-	-	555 mm (21,9 in)
B	1401 mm (55.2 in)	1240 mm (48,8 in)	1240 mm (48,8 in)
B2	-	-	3940 mm (155.1 in)
C	2600 mm (102.4 in)	3430 mm (135.0 in)	3430 mm (135.0 in)
C2	-	-	980 mm (38.6 in)
D	781 mm (30.7 in)	855 mm (33.7 in)	855 mm (33.7 in)
D2	-	-	6560 mm (258,3 in)
F	4782 mm (188.3 in)	5525 mm (217.5 in)	5525 mm (217.5 in)
G	4984 mm (196.2 in)	5800 mm (228.3 in)	5600 mm (220,5 in)
H	2926 mm (115.2 in)	3150 mm (124.0 in)	3140 mm (123.6 in)
I	1001 mm (39.4 in)	1005 mm (39.6 in)	1005 mm (39.6 in)
L	1980 mm (78.0 in)	1920 mm (75.6 in)	1920 mm (75.6 in)
M	2388 mm (94.0 in)	2315 mm (91.1 in)	2340 mm (92,1 in)
N1	2400 mm (94.5 in)	2510 mm (98.8 in)	2480 mm (97.6 in)
P	2227 mm (87.7 in)	3555 mm (140.0 in)	3700 mm (145.7 in)
Q	4843 mm (190.7 in)	6180 mm (243.3 in)	6330 mm (249,2 in)
R	5300 mm (208.7 in)	6580 mm (259.1 in)	6710 mm (264,2 in)
S	2169 mm (85.4 in)	2425 mm (95.5 in)	2680 mm (105.5 in)
U	2428 mm (95.6 in)	2410 mm (94.9 in)	2410 mm (94.9 in)
V	1998 mm (78.7 in)	2190 mm (86.2 in)	2210 mm (87.0 in)



