

AL420

AL/ALT



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Capacities		Metric
Static tipping load with bucket (straight)		1765 kg
Static tipping load with bucket (full turn)		1550 kg
Static tipping load with forks (straight)		1310 kg
Static tipping load with forks (full turn)		1150 kg
Max. height of bucket pivot point	h35	2.48 m
Weight and dimensions		
Unladen weight (with forks) with 4-post canopy		2246 kg
Wheelbase	y	1.65 m
Overall cab width	b4	0.99 m
Overall height with 4 posts canopy	h38	2.25 m
Dump reach - Full height	r6	344 mm
Hood Height	h40	1.40 m
Overall Operating Height - Fully Raised	h27	3.31 m
Articulation angle	a19	45 °
Maximum oscillation angle		10 °
Overall length with bucket	l16	4.27 m
Overall width less bucket	b1	1.10 m
Overall length - Less Bucket	l2	3.58 m
Rear overhang	c6	1.12 mm
Dump angle - Fully raised	a5	39 °
Dump Height - Fully Raised	h29	2126 mm
Maximum Rollback Angle - Fully Raised	a4	50 °
Maximum Rollback Angle at Ground	a13	49 °
Digging Position	h32	-79 mm
Ground clearance	m4	320 mm
Clearance Radius - Front with Bucket	b18	3.24 m
Ground Plane to Bucket Edge Height	h42	2.65 m
Tread width (wheel center)	b29	836 mm
Attachment Pivot Clearance		103 mm
Height from ground to axle center	m8	214 mm
Bucket Width	e1	1.52 m
Front Wheel Center to Pivot Pin	m3	0.66 m
Height to Hinge Pin – Fully Raised	h28	2.52 m
Engine		
Engine brand		Perkins
Engine model		403J-17T
Engine norm		Stage V
Number of cylinders		3
I.C. Engine power rating / Power		48.90 Hp / 36 kW
Max. torque / Engine rotation		160 Nm / 1600 rpm
Engine cooling system		Water
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed (may vary according to applicable regulations)		20 km /h
Travel speed (laden)		20 km /h
Parking brake		Mechanical hand-operated parking brake
Service brake		Inching Brake
Hydraulics		
Hydraulic pump type		Gear pump
Hydraulic flow - Pressure		60 l/min / 207 bar
Drive hydraulic system pressure		207 bar
Tank capacities		
Hydraulic oil		48 l
Fuel tank		35 l



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