

AL420

AL/ALT



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Capacities		Metric	Imperial
Static tipping load with bucket (straight)		1765 kg	3891 lb
Static tipping load with bucket (full turn)		1550 kg	3417 lb
Static tipping load with forks (straight)		1310 kg	2888 lb
Static tipping load with forks (full turn)		1150 kg	2535 lb
Max. height of bucket pivot point	h35	2.48 m	8 ft 2 in
Weight and dimensions			
Unladen weight (with forks) with 4-post canopy		2246 kg	4952 lb
Wheelbase	y	1.65 m	5 ft 5 in
Overall cab width	b4	0.99 m	3 ft 3 in
Overall height with 4 posts canopy	h38	2.25 m	7 ft 5 in
Dump reach - Full height	r6	344 mm	14 in
Hood Height	h40	1.40 m	4 ft 7 in
Overall Operating Height - Fully Raised	h27	3.69 m	12 ft 2 in
Articulation angle	a19	45 °	45 °
Maximum oscillation angle		10 °	10 °
Overall length with bucket	l16	4.27 m	14 ft
Overall width less bucket	b1	1.10 m	3 ft 7 in
Overall length - Less Bucket	l2	3.58 m	11 ft 9 in
Rear overhang	c6	1.12 mm	0.04 in
Dump angle - Fully raised	a5	39 °	39 °
Dump Height - Fully Raised	h29	2126 mm	84 in
Maximum Rollback Angle - Fully Raised	a4	50 °	50 °
Maximum Rollback Angle at Ground	a13	49 °	49 °
Digging Position	h32	-79 mm	-3 in
Ground clearance	m4	320 mm	13 in
Clearance Radius - Front with Bucket	b18	3.24 m	10 ft 8 in
Ground Plane to Bucket Edge Height	h42	2.65 m	8 ft 9 in
Tread width (wheel center)	b29	836 mm	33 in
Attachment Pivot Clearance		103 mm	4 in
Height from ground to axle center	m8	214 mm	8 in
Bucket Width	e1	1.52 m	5 ft
Front Wheel Center to Pivot Pin	m3	0.66 m	2 ft 2 in
Height to Hinge Pin - Fully Raised	h28	2.52 m	8 ft 3 in
Engine			
Engine brand		Perkins	Perkins
Engine model		403J-17T	403J-17T
Number of cylinders		3	3
I.C. Engine power rating / Power (kW)		48.90 Hp / 36 kW	48.90 Hp / 36 kW
Max. torque / Engine rotation		166 Nm / 2200 rpm	122 ft/lbs / 2200 rpm
Engine cooling system		Water	Water
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed (may vary according to applicable regulations)		20 km/h	12 mi/h
Travel speed (laden)		20 km/h	12 mi/h
Parking brake		Mechanical hand-operated parking brake	Mechanical hand-operated parking brake
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow - Pressure		60 l/min / 207 bar	16 US gpm / 3002 PSI
High-Flow Option (l/min)		60 l/min	16 US gpm
Drive hydraulic system pressure		207 bar	3002 PSI
Tank capacities			
Hydraulic oil		50 l	13 US gal
Fuel tank		35 l	9 US gal



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Siège Social
P.O. Box 179 - One Gehl Way - West Bend, WI, USA 53095
Tel: (262) 334-9461 - Fax: (262) 338-7517
www.gehl.com



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