

AL430

AL/ALT



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Capacities		Metric	Imperial
Static tipping load with bucket (straight)		1540 kg	3395 lb
Static tipping load with bucket (full turn)		1355 kg	2987 lb
Static tipping load with forks (straight)		1175 kg	2590 lb
Static tipping load with forks (full turn)		1030 kg	2271 lb
Max. height of bucket pivot point	h35	2.83 m	9 ft 4 in
Weight and dimensions			
Unladen weight (with forks) with 4-post canopy		2316 kg	5106 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	479 mm	19 in
Hood Height	h40	1.40 m	4 ft 7 in
Overall Operating Height - Fully Raised	h27	3.63 m	11 ft 11 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 m	3 ft 8 in
Dump angle - Fully raised	a5	42 °	42 °
Dump Height - Fully Raised	h29	2.12 m	7 ft
Maximum Rollback Angle - Fully Raised	a4	48 °	48 °
Maximum Rollback Angle at Ground	a13	50 °	50 °
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	2.90 m	9 ft 6 in
Engine			
Engine brand		Perkins	Perkins
Engine model		403J-17T	403J-17T
Engine norm		Stage V	Stage V
Number of cylinders		3	3
I.C. Engine power rating / Power		48.90 Hp / 36 kW	48.90 Hp / 36 kW
Max. torque / Engine rotation		160 Nm / 1600 rpm	118 ft/lbs / 1600 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 mph
Travel speed (laden)		20 km/h	12 mph
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
Drive hydraulic system pressure		207 bar	3002 PSI
Tank capacities			
Hydraulic oil		48 l	13 US gal
Fuel tank		50 l	13 US gal



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