

SHANTUI

DH16-K2

Crawler Dozer



Engine Model: FIAT N67
Gross Power: 142kW(190hp)
Operating Weight: XL:17,635kg(38,879lb.)
LGP:18,800kg(41,447lb.)

Linde Hydrostatic Travel Drive
electronic control

DH16-K2 SPECIFICATIONS

ENGINE

Engine	FIAT N67
Emission	EPA Tier 4 Final / EU Stage IV
Rated revolution	2100rpm
Gross power	142 kW(190hp)
Net power	140kW(187hp)
Number of cylinder-bore × stroke	6-104mm-132mm(6-4in.-5in.)
Displacement	6.7L(409cu.in)
Max. torque	850Nm(627lb.-ft.)/1400rpm
Cooling system	Smart hydraulic control

DRIVE SYSTEM

Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load	
System overflow pressure	42500 kPa(6309.1 psi)	
Traveling speed	Forward	0~10km/h(6.2mph)
	Backward	0~10km/h(6.2mph)
Max. theoretical traction force	230kN(35000lb)	
Steering	Independent drive of track at both sides to ensure the full power output for pivot steering and steering with load	
Brake	Regular closed multi-disk brake	
Final drive	Primary spur gear + primary planetary reduction	

CHASSIS SYSTEM

	XL	LGP
Type	Semi-rigid type suspension	
Track shoe type	Single grouser	Single grouser
Track gauge	2040 mm(80.3 in.)	2350 mm(92.5 in.)
Width of track shoe	560 mm(22 in.)//610mm(24 in.)	810 mm(32 in.)
Track grounding length	3075mm(121in.)	3075mm(121in.)
Track grounding area	34440/37515cm ² (5338/5815sq.in.)	49815cm ² (7721sq.in.)
Number of track shoe	43 pcs/single side	43 pcs/single side
Grounding pressure (standard configuration)	50kPa(7.25psi)/45.9kPa(6.66psi)	36.9kPa(5.35psi)
Number of carrier roller	2 pcs/single side	2 pcs/single side
Number of track roller	8 pcs/single side	8 pcs/single side
Pitch	203mm(8in.)	203mm(8in.)
Minimum turning radius	3879mm(152.7in.)	4012mm(158in.)

REFILL CAPACITY

Fuel capacity	389 L(102.7 gal.)
Coolant liquid capacity	29 L(7.7 gal.)
Engine oil capacity	14 L(3.7 gal.)
Hydraulic oil tank	115 L(30.4 gal.)
Final drive	31L(8.2 gal.)/single side
DEF capacity	43L(11.4 gal.)

OPERATING WEIGHT

	XL	LGP
With traction frame	17635kg(38879lb.)	18800kg(41447lb.)
With ripper	19160kg(42245lb.)	20345kg(44853lb.)
With winch	19710kg(43453lb.)	-

BLADE

	XL	LGP
Blade type	PAT	PAT
Blade capacity	3.22cu.m(4.2cu.yd.)	4.01cu.m(5.24cu.yd.)

DIMENSION

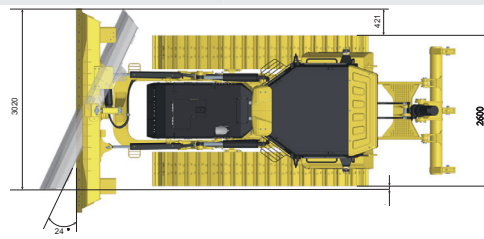
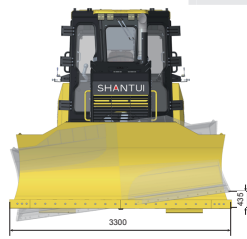
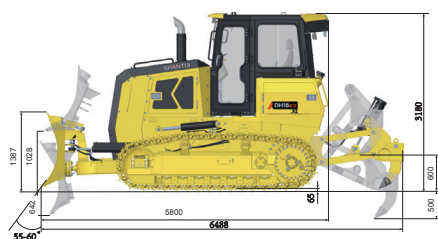
	XL	LGP
Machine height (without ROPS)	3180mm(125in.)	3180mm(125in.)
Track grouser height	65 mm(2.5 in.)	65 mm(2.5 in.)
Ground clearance	370 mm(14.6 in.)	370 mm(14.6 in.)
Machine length (with draw bar)	6488mm(255.4in.)	6488mm(255.4in.)
Machine length (without draw bar)	5800mm(228in.)	5800mm(228in.)
Max. lifting height of blade	1028mm(40.5 in.)	1028mm(40.5 in.)
Max. digging depth of blade	642mm(25.3in.)	642mm(25.3in.)
Digging angle of blade	55°-60°(deg.)	55°-60°(deg.)
Blade width	3300 mm(129.9 in.)	4011 mm(157.9 in.)
Blade height	1387 mm(54.6 in.)	1387 mm(54.6 in.)
Max blade turning angle on ground	24°(deg.)	24°(deg.)
Machine length when blade in max turning angle	3020mm(118.9 in.)	3664mm(144.25in.)
Max tilt height of blade	435mm(17.1in.)	528mm(20.8in.)
Vertical distance from left track shoe outside to blade outside when blade in max turning angle	0 mm(0 in.)	38.5 mm(1.5 in.)
Track shoes outside width	2600mm(97.9in.)	3160mm(120.4in.)
Vertical distance from right track shoe outside to blade outside when blade in max turning angle	421mm(16.6in.)	466mm(18.3in.)

RIPPER (THREE-SHANK RIPPER :1493KG(3291LB.))

Max. lifting height	572mm(22in.)	572mm(22in.)
Max. ripping depth	492mm(19in.)	492mm(19in.)
Ripper length (at deepest ripping)	1785mm(70.2in.)	1785mm(70.2in.)
Ripper width	1298mm(51.0in.)	1298mm(51.0in.)
Departure angle (at highest lifting)	2082mm(82in.)	2082mm(82in.)
Tilt angle(at highest point)	43°	43°
Ripping width	1900 mm(75 in.)	1900 mm(75 in.)
Distance between ripper teeth	950mm(37in.)	950mm(37in.)

WINCH (HYDRAULIC WINCH (H6H): 2138KG(4713.5LB))

Diameter of steel rope	22/25mm(0.866/0.984in.)
Maximum rope capacity of drum	91/70m(298 ft.7in./229ft.7in.)
Maximum tension(Bare drum)	40733kg(89800lb)
Maximum tension(Full drum)	23420kg(51632lb)
Maximum speed of the rope(Bare drum)	18m/min (35.5 ft.7in./min)
Length of winch	1439mm(56.7in.)



* THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.

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