

LOVOL

CRAWLER DOZER

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LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

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LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

➤CRAWLER DOZER



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FD130 | ROBUST & EFFICIENT

Engine Model : Shangchai SC8D143G2B1

Gross Power: 105kW(140hp)@1900rpm

Operating Weight: 13,700kg



FD130 CRAWLER DOZER

SPECIFICATIONS

ENGINE

Engine	SHANGCHAI SC8D143G2B1	SHANGCHAI SC8D143G2B1	DONGFENG CUMMINS 6CTA8.3-C145
Emission	China-II	China-II	China-II
Rated revolution	1900rpm	1900rpm	1900rpm
Gross power	105kW(140hp)@1900rpm	105kW(140hp)@1900rpm	108kW(145hp)@1900rpm
Net power	95.5kW(130hp)@1900rpm	95.5kW(130hp)@1900rpm	95.5kW(130hp)@1900rpm
Number of cylinder-bore×stroke	6-114X135mm	6-114X135mm	6-114X135mm
Displacement	8.27L	8.27L	8.3L
Max. torque	674N.m@1300rpm	674N.m@1300rpm	674N.m@1300rpm
Cooling system	Mechanic fan	Mechanic fan	Mechanic fan

DRIVE SYSTEM

Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.		
Traveling speed	Forward	0~3.2km/h, 0~5.9km/h, 0~9.8km/h	
	Backward	0~3.9km/h, 0~7.1km/h, 0~11.9km/h	
Torque damper	Spring damping	Spring damping	Spring damping
Torque converter	3-element, single stage, 1-phase		
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication		
Bevel gear shaft	Spiral bevel gear, single-stage speed reduction, splash lubrication		
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.		
Brake	Wet, contracting band, foot operated with hydraulic booster		
Final drive	Spur gear, double reduction, splash lubrication		

CHASSIS SYSTEM

Type	Swing type of sprayed beam, suspended structure of equalizer bar		
Track shoe type	Single grouser	Single grouser	Wetland type
Track gauge	1880mm	1880mm	1880mm
Width of track shoe	460mm	460mm	700mm
Track grounding length	2365mm	2365mm	2365mm
Track grounding area	21758cm ²	21758cm ²	21758cm ²
Number of track shoe	38 pcs/side	38 pcs/side	38 pcs/side
Grounding pressure (standard configuration)	0.054MPa	0.038MPa	0.039MPa
Number of carrier roller	2 pcs/side	2 pcs/side	2 pcs/side
Number of track roller	6pcs/side	6pcs/side	6pcs/side
Pitch	190mm	190mm	190mm

REFILL CAPACITY

Fuel capacity	280L	280L	280L
Coolant liquid capacity	63.5L	63.5L	63.5L
Engine oil capacity	25L	25L	25L
Hydraulic oil tank	112L	112L	112L
Transmission	34L	34L	34L
Drive axle	63L	63L	63L
Final drive	13L/side	13L/side	13L/side

OPERATING WEIGHT

Standard	13700kg	14900kg	15200kg
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BLADE

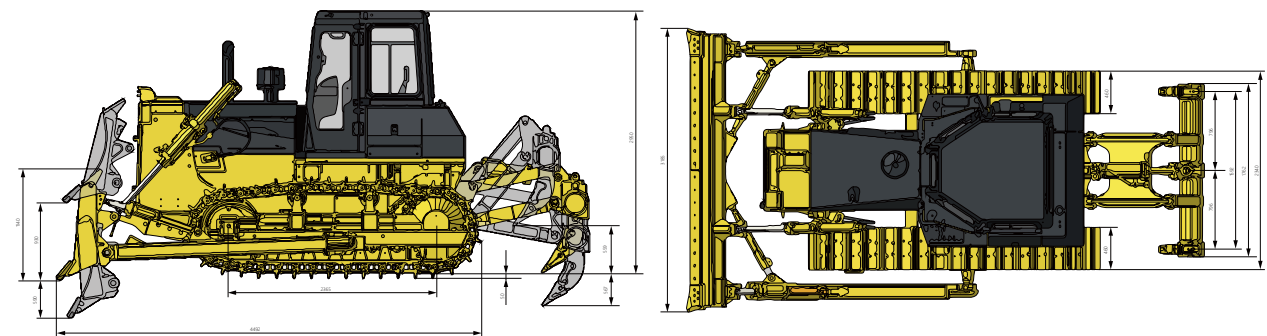
Blade type	Straight-tilt blade/ Angle blade	Straight-tilt blade	R blade
Blade capacity	3m ³ /2.5m ³	2.7m ³	6.9m ³

DIMENSION

Machine height (without ROPS)	2950mm	3000mm	3000mm
Track grouser height	50mm	50mm	102.5mm
Ground clearance	320mm	320mm	320mm
Machine length (without draw bar)	4492mm	4492mm	4492mm
Max. lifting height of blade	930mm	930mm	930mm
Max. digging depth of blade	545mm	545mm	545mm
Digging angle of blade	52°±3°(deg.)	52°±3°(deg.)	52°±3°(deg.)
Blade width	3185mm	3510mm	3510mm
Blade height	1140mm	1030mm	1592mm
Width from end of left track shoe to end of right track shoe (standard)	2340mm	2580mm	2580mm

RIPPER (THREE-SHANK RIPPER: 1310KG)

Max. ripping depth	567mm
Max. lifting height	559mm
Ripper length (at deepest ripping)	1466mm
Ripper width	1762mm
Departure angle (at highest lifting)	45°
Ripping width	1592mm
Distance between ripper teeth	796mm



// FD130 | ROBUST & EFFICIENT

Engine Model : Shangchai SC8D143G2B1

Gross Power: 105kW(140hp)@1900rpm

Operating Weight: 14,900kg



FD130 CRAWLER DOZER

SPECIFICATIONS

ENGINE

Engine	SHANGCHAI SC8D143G2B1
Emission	China-II
Rated revolution	1900rpm
Gross power	105kW(140hp)@1900rpm
Net power	95.5kW(130hp)@1900rpm
Number of cylinder-bore×stroke	6-114X135mm
Displacement	8.27L
Max. torque	674N.m@1300rpm
Cooling system	Mechanic fan

DRIVE SYSTEM

Drive system		Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.
Traveling speed	Forward	0~3.2km/h, 0~5.9km/h, 0~9.8km/h
	Backward	0~3.9km/h, 0~7.1km/h, 0~11.9km/h
Max. theoretical traction force	223.5kN	
Torque damper	Spring damping	
Torque converter	3-element, single stage, 1-phase	
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication	
Bevel gear shaft	Spiral bevel gear, single-stage speed reduction, splash lubrication	
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.	
Brake	Wet, contracting band, foot operated with hydraulic booster	
Final drive	Spur gear, double reduction ,splash lubrication	

CHASSIS SYSTEM

Type	Swing type of sprayed beam, suspended structure of equalizer bar
Track shoe type	Single grouser
Track gauge	1880mm
Width of track shoe	460mm
Track grounding length	2365mm
Track grounding area	21758cm ²
Number of track shoe	38 pcs/side
Grounding pressure (standard configuration)	0.038MPa
Number of carrier roller	2 pcs/side
Number of track roller	6pcs/side
Pitch	190mm

REFILL CAPACITY

Fuel capacity	280L
Coolant liquid capacity	63.5L
Engine oil capacity	25L
Hydraulic oil tank	112L
Transmission	34L
Drive axle	63L
Final drive	13L/side

OPERATING WEIGHT

Standard	14900kg
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BLADE

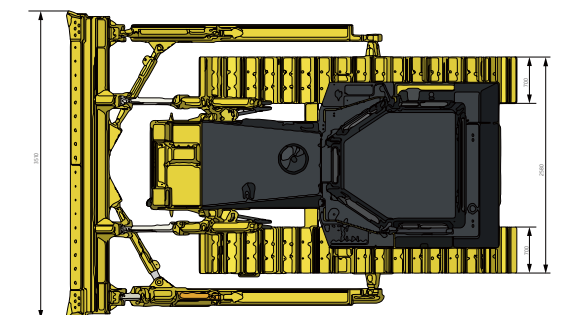
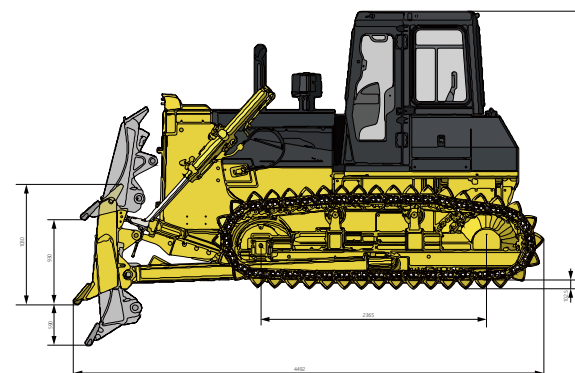
Blade type	Straight-tilt blade
Blade capacity	2.7m ³

DIMENSION

Machine height (without ROPS)	3000mm
Track grouser height	50mm
Ground clearance	320mm
Machine length (without draw bar)	4492mm
Max. lifting height of blade	930mm
Max. digging depth of blade	545mm
Digging angle of blade	52°±3°(deg.)
Blade width	3510mm
Blade height	1030mm
Width from end of left track shoe to end of right track shoe (standard)	2580mm

RIPPER (THREE-SHANK RIPPER: 1310KG)

Max. ripping depth	567mm
Max. lifting height	559mm
Ripper length (at deepest ripping)	1466mm
Ripper width	1762mm
Departure angle (at highest lifting)	45°
Ripping width	1592mm
Distance between ripper teeth	796mm



// FD160 | ROBUST & EFFICIENT

Engine Model : WeichaiWD10G178E25
Gross Power: 131kW(175hp)@1850rpm
Operating Weight: 17,000kg

FD160 CRAWLER DOZER

SPECIFICATIONS

ENGINE		
Engine	WEICHAI WD10G178E25	SHANGCHAI SC11CB184G2B1
Emission	China-II	China-II
Rated revolution	1850rpm	1850rpm
Gross power	131kW(175hp)@1850rpm	131kW(175hp)@1850rpm
Net power	121kW(160hp)@1850rpm	121kW(160hp)@1850rpm
Number of cylinder-borexstroke	6-126X130mm	6-121X152mm
Displacement	9.726L	10.5L
Max. torque	830N.m@1100-1200rpm	843N.m@1300rpm
Cooling system	Mechanic fan	Mechanic fan

DRIVE SYSTEM		
Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.	
Traveling speed	Forward	0~3.29km/h, 0~5.82km/h, 0~9.63km/h
	Backward	0~4.28km/h, 0~7.59km/h, 0~12.53km/h
Torque converter	3-element, single stage, 1-phase	
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication	
Bevel gear shaft	Spiral bevel gear, single-stage speed reduction, splash lubrication	
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.	
Brake	Wet, contracting band, foot operated with hydraulic booster	
Final drive	Spur gear, double reduction, splash lubrication	

CHASSIS SYSTEM		
Type	Swing type of sprayed beam, suspended structure of equalizer bar	
Track shoe type	Single grouser	Wetland type
Track gauge	1880mm	1880mm 1880mm 1880mm 2300mm 2300mm
Width of track shoe	510/560/610mm	610mm 560mm 560mm 1100/950mm 1100/660mm
Track grounding length	2430mm	2430mm 2365mm 2365mm 2935mm 2935mm
Track grounding area	24786cm ²	29646cm ² 29512cm ² 29512cm ² 64570cm ² 64570cm ²
Number of track shoe	37pcs/ side	37pcs/ side 39pcs/ side 39pcs/ side 42pcs/ side 42pcs/ side
Grounding pressure (standard configuration)	58kPa	59.2kPa 55kPa 55kPa 25kPa 25kPa
Number of carrier roller	2 pcs/side	
Number of track roller	6pcs/side 7pcs/side	
Pitch	203mm	

REFILL CAPACITY		
Fuel capacity	315L	315L 315L 315L 315L 315L
Coolant liquid capacity	62.8L	62.8L 62.8L 62.8L 62.8L 62.8L 62.8L
Engine oil capacity	24L	24L 24L 24L 24L 24L 24L

Hydraulic oil tank	112L	112L	112L	112L	112L	112L
Transmission	52L	52L	52L	52L	52L	52L
Drive axle	70L	70L	70L	70L	70L	70L
Final drive	21L/side	21L/side	21L/side	25L/side	25L/side	25L/side

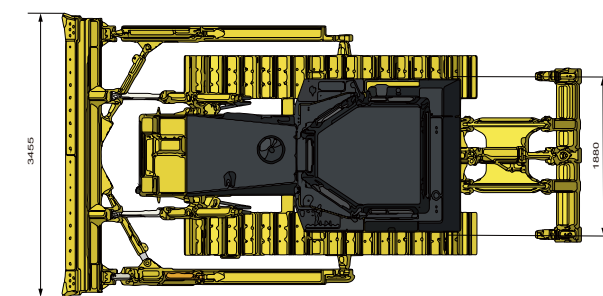
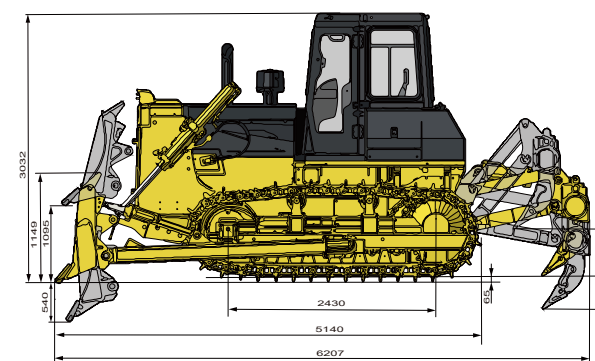
OPERATING WEIGHT		
Standard	17000kg	17370kg 17346kg 17500kg 18460kg 18460kg

BLADE						
Blade type	Straight-tilt/U	Coal-U	Straight-tilt	Straight-tilt / Angle	Straight-tilt	Waste handling blade
Blade capacity	3.5/4.8m³	6m³	3.5m³	3.5/3.2m³	3m³	8.3m³

DIMENSION		
Machine height (without ROPS)	3032mm	3032mm 3032mm 3032mm 3074mm 3074mm
Track grouser height	65mm	65mm 65mm 65mm 101.5mm 101.5mm
Ground clearance	400mm	400mm 400mm 400mm 400mm 400mm
Machine length (with draw bar)	5140mm	5427mm 5345mm 5350mm 5262mm 5262mm
Max. lifting height of blade	1095mm	1095mm 1095mm 1095mm 1005mm 1005mm
Max. digging depth of blade	540mm	540mm 540mm 540mm 485mm 485mm
Digging angle of blade	55°±3°(deg.)	

Blade width	3455/3556mm (Straight-tilt/U)	3900mm	3455mm	3455/4011mm (Straight-tilt/Angle)	4150mm	4150mm
Blade height	1149/1120mm (Straight-tilt/U)	1235mm	1149mm	1149/1040mm (Straight-tilt/Angle)	960mm	1590mm
Width from end of left track shoe to end of right track shoe (standard)	2390mm	2490mm	2440mm	2440mm	3400mm	

RIPPER		
Type	Three-shank ripper	
Weight	1631kg	
Max. ripping depth	572mm	
Max. lifting height	592mm	
Ripper length (at deepest ripping)	1580mm	
Ripper width	2080mm	
Departure angle (at highest lifting)	32.1°	
Ripping width	1900mm	
Distance between ripper teeth	950mm	



FD170H | ROBUST & EFFICIENT

Engine Model : WeichaiWD10G190E214

Gross Power: 140kW(188hp)@1900rpm

Operating Weight: XL:17,730kg FL:18,260kg LGP: 19,690kg



FD170H

CRAWLER DOZER

SPECIFICATIONS

ENGINE	
Engine	Weichai WD10G190E214
Emission	China-II
Gross power	140kW(188hp)@1800
Net power	127KW(170hp)@1800
Number of cylinder - bore x stroke	6-126mm*130mm
Displacement	9.726L
Max. torque	900Nm@1400-1600rpm
Minimum fuel consumption	Min. fuel consumption external characteristics 194g/kW.h
Cooling system	Mechanic fan

DRIVE SYSTEM	
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load, "stepless" variable speed, mono-lever control of travel, speed and steering; steering with load, pivot steering, work flexibly, high efficiency, easy for maintenance
System overflow pressure	45000kPa
Traveling speed, Forward	0~10km/h
Traveling speed, Backward	0~10km/h
Max. theoretical traction force	288.8kN
Steering clutch	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

SCHASSIS SYSTEM	XL	FL	LGP
Type	Pivot, equalizing beam suspended type, semi-rigid structure		
Track shoe type	Single grouser	Single grouser	Wetland type/Single grouser
Track gauge	1880mm	1880mm	2350mm
Width of track shoe	510mm/ 560mm/610mm	560mm/ 510mm/610	1100mm/950mm/ 850mm/ 810mm(Wetland type)
Track grounding lenght	2675mm	2675mm	2935mm
Track grounding area	27285 cm ²	29960 cm ²	64570 cm ²
Number of track shoe	39 pcs/single side	39 pcs/single side	42pcs/single side
Grounding pressure (standart configuration)	65 kPa	60.9 kPa	30.5 kPa
Number of carrier roller	2 pcs/single side	2 pcs/single side	2 pcs/single side
Number of track roller	7 pcs/single side	7 pcs/single side	7 pcs/single side
Pitch	203mm	203mm	203mm
Minimum turning radius	3745mm	3745mm	3895mm

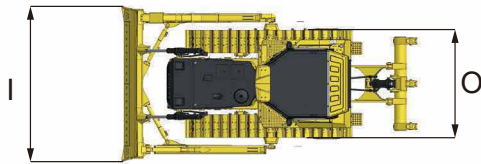
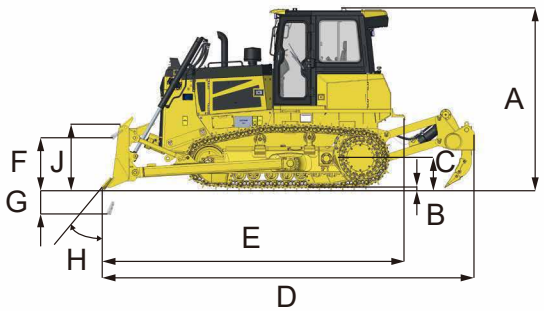
VOLUME	XL	FL	LGP
Fuel capacity	352 L	352 L	352 L
Coolant liquid capacity	65 L	65 L	65 L
Engine oil capacity	24 L	24 L	24 L
Hydraulic oil tank	85 L	85 L	85 L
Final drive	32L/Single side	32L/Single side	35L/Single side

OPERATING WEIGHT	XL	FL	LGP
Operating weight (standard)	17730kg	18260kg	19690kg

BLADE	XL	FL	LGP
Blade type	Semi-U/straight tilt-blade	Semi-U/straight tilt-blade	Straight tilt-blade
Blade capacity	4.7m ³ /3.6m ³	4.7m ³ /3.6m ³	3.8m ³

DIMENSION	XL	FL	LGP
A Machine height	3154mm	3418mm	3181mm
B Track grouser heigth	65mm	65mm	101.5mm(Wetland type)
C Ground clearans	410mm	410mm	410mm
D Machine length (without draw bar)	5465mm(Draw bar)/ 6700mm(Ripper)	5465mm(Draw bar)/ 6700mm(Ripper)	5450mm
E Machine length (with draw bar)	5465mm	5465mm	5450mm
F Max. lifting heigth of blade	1010mm	1010mm	1020mm
G Max. digging depth of blade	520mm	520mm	485mm
H Digging angle of blade	52°±3°(deg.)	52°±3°(deg.)	52°±3°(deg.)
I Blade width	3400mm(semi-U)/ 3388mm(straight tilt)	3400mm(semi-U)/ 3388mm(straight tilt)	4150mm
J Blade heigth	1200mm(semi-U)/ 1149mm(straight tilt)	1200mm(semi-U)/ 1149mm(straight tilt)	1011mm
O Track shoe outside width	2390mm	2390mm	2590mm

PARAMETRE OF RIPPER	XL	FL	LGP
Type	Three-shank ripper	Three-shank ripper	-
Weigth	1493kg	1493kg	-
Max. ripping depth	475mm	475mm	-
Max. lifting heigth	570mm	570mm	-
Ripper length (at deepest ripping)	1809mm	1809mm	-
Ripper length (at highest ripping)	1671mm	1671mm	-
Ripper width	2082mm	2082mm	-
Departure angle (at highest lifting)	32.1°	32.1°	-
Ripping width	1900mm	1900mm	-
Distance between ripper teeth	950mm	950mm	-



FD220|ROBUST& EFFICIENT

Engine Model : Cummins NT855-C280S10

Gross Power: 175kW(235hp)@1800rpm

Operating Weight: 23,450kg



FD220 CRAWLER DOZER

SPECIFICATIONS

ENGINE	
Engine	Cummins NT855-C280S10
Emission	China-I
Rated revolution	1800rpm
Gross power	175kW(235hp)@1800rpm
Net power	162kW(220hp)@1800rpm
Number of cylinder-bore×stroke	6-140X152mm
Displacement	14.01L
Max. torque	1080N.m@1300rpm
Cooling system	Mechanic fan

DRIVE SYSTEM	
Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.
Traveling speed	Forward F1:3.6km/h R2:6.5km/h F3:11.2km/h
	Backward R1:4.3km/h R2:7.7km/h R3:13.2km/h
Max. theoretical traction force	450kN
Torque converter	3-element, single stage, 1-phase
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication
Central drive	Spiral bevel gear, single-stage speed reduction, splash lubrication
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.
Brake clutch	Wet, contracting band, foot operated with hydraulic booster
Final drive	Spur gear, double reduction ,splash lubrication

CHASSIS SYSTEM	
Type	Swing type of sprayed beam, suspended structure of equalizer bar
Track shoe type	Single grouserWetland type
Track gauge	2000mm 2000mm 2000mm 2000mm 2250mm 2250mm
Width of track shoe	560/610/660mm 660mm 610/660mm 560/610/660mm 910mm 910mm
Track grounding length	2430mm 2430mm 2430mm 3050mm 3480mm 3480mm
Track grounding area	28727cm ² 40935cm ² 40935cm ² 38317cm ² 71476cm ² 71476cm ²
Number of track shoe	38pcs/ side 38pcs/ side 38pcs/ side 41pcs/ side 45pcs/ side 45pcs/ side
Grounding pressure (standard configuration)	66kPa 57.5kPa 64kPa 66kPa 36kPa 35.2kPa
Number of carrier roller	2 pcs/side
Number of track roller	6pcs/side7pcs/side 8pcs/side
Pitch	206mm

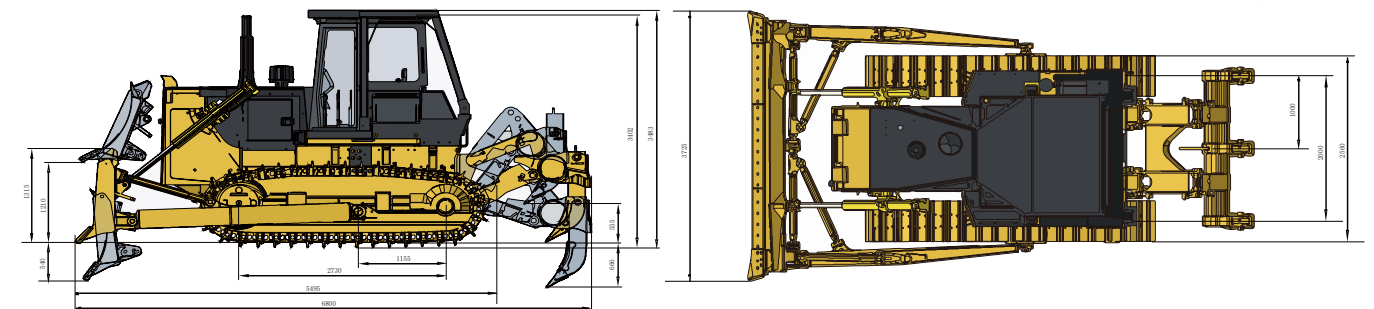
REFILL CAPACITY	
Fuel capacity	450L 450L 450L 450L 450L 450L
Coolant liquid capacity	79L 79L 79L 79L 79L 79L
Engine oil capacity	45L 45L 45L 45L 45L 45L
Transmission	122L 122L 122L 122L 122L 122L
Drive axle	110L 110L 110L 110L 110L 110L
Final drive	82L/side 82L/side 82L/side 102L/side 102L/side 102L/side

OPERATING WEIGHT	
Operating weight (standard)	23450kg 24000kg 24700kg 24600kg 25700kg 26000kg

BLADE	
Blade type	Coal-U Straight-tilt/Angle/Semi-U/U Straight-tilt Waste handling
Blade capacity	8m ³ 4.6/3.4/5.8/6.7m ³ 5.2m ³ 11.8m ³

DIMENSION	
Machine height (without ROPS)	3402mm 3402mm 3402mm 3402mm 3402mm 3402mm
Track grouser height	72mm 72mm 72mm 72mm 123mm (Wetland type) 513mm
Ground clearance	405mm 405mm 405mm 405mm 513mm 513mm
Machine length (without draw bar)	6027mm 5462mm 5462mm 5712mm 6257mm 6257mm
Machine length (with draw bar)	6060mm 5495mm 5495mm 5495mm 6290mm 6290mm
Max. lifting height of blade	1210mm 1210mm 1210mm 1210mm 1330mm 1330mm
Max. digging depth of blade	540mm 540mm 540mm 540mm 550mm 550mm
Digging angle of blade	55°±3°(deg.)
Blade width	4200mm 3725/4365/3800/3725mm 4365mm
Blade height	1350mm 1315/1055/1343/1374mm 1248mm 1885mm
Width from end of left track shoe to end of right track shoe (standard)	3000mm 3000mm 3000mm 3000mm 3800mm 3800mm

RIPPER	
Type	Three-shank ripperSingle shank ripper
Weight	2600kg 2450kg
Max. ripping depth	666mm 695mm
Max. lifting height	555mm 515mm
Ripper length (at deepest ripping)	1781mm 1974mm
Ripper width	2158mm 1426mm
Departure angle (at highest lifting)	25.5° 25.5°
Ripping width	2000mm 2000mm/106mm
Distance between ripper teeth	930mm -



FD240H | ROBUST& EFFICIENT

Engine Model : WeichaiWD12G250F202

Gross Power: 185kW(248hp)

Operating Weight: 23,820kg

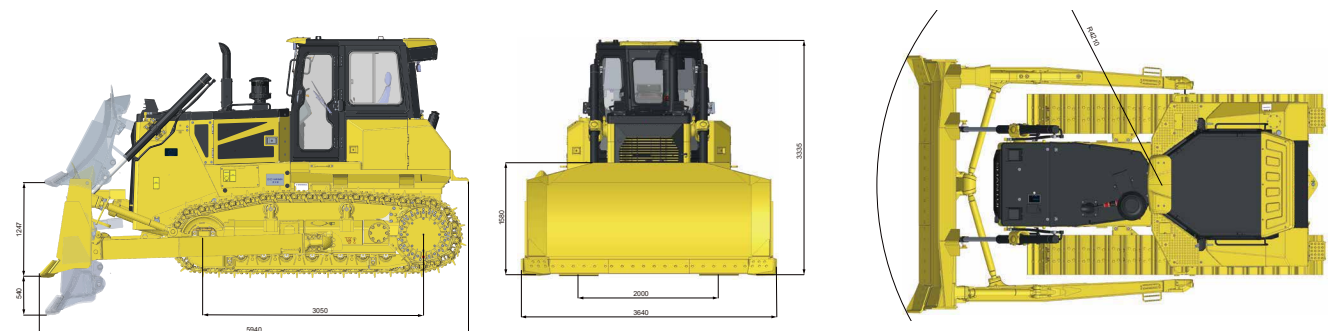


FD240H CRAWLER DOZER

SPECIFICATIONS

ENGINE					
Engine	Weichai WD12G250E202				
Emission	China-II				
Rated revolution	2100rpm				
Gross power	185kW(248hp)				
Net power	167kW(224hp)				
Number of cylinder-bore × stroke	6-126mm*155mm				
Displacement	11.596L				
Max. torque	1200Nm@1300-1400rpm				
Min. fuel consumption	198g/kw.h				
Cooling system	Mechanic fan				
DRIVE SYSTEM					
Drive system	Independent dualcircuit electric control hydrostatic drive, intelligent matching of speedload, "stepless" variable speed, monolever control of travel, speed and steering; steering with load, pivot steering, work flexibly, high efficiency, easy for maintenance				
System overflow pressure	45000 kPa				
Traveling speed	Forward	0~11km/h			
	Backward	0~11km/h			
Max. theoretical traction force	368kN				
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	Double-reduction final drives of spur gear and planetary gear				
CHASSIS SYSTEM	XL	CH	RS	LGP	WH
Type	Pivot, equalizing beam suspended type, semi-rigid structure				
Track shoe type	Single grouser	Single grouser	Single grouser	Wetland	Wetland
Track gauge	2000mm	2000mm	2000mm	2250mm	2250mm
Width of track shoe	560/610/660mm	610/660mm	560/610/660mm	910mm	910mm
Track grounding length	3050mm	3050mm	3050mm	3482mm	3482mm
Track grounding area	34160/37210/40260cm ²	37210/40260cm ²	34160/ 37210/40260cm ²	63372cm ²	63372cm ²
Number of track shoe	41 pcs/side	41 pcs/side	41 pcs/side	45 pcs/side	45 pcs/side
Grounding pressure (standard configuration)	68.3/62.7/58kPa	64.5/59.6kPa	70/64.3/59.5 kpa	40.9kPa	41.8kPa
Number of carrier roller	2 pcs/side	2 pcs/side	2 pcs/side	2 pcs/side	2 pcs/side
Number of track roller	7 pcs/side	7 pcs/side	7 pcs/side	8 pcs/side	8 pcs/side
Pitch	216mm	216mm	216mm	216mm	216mm

REFILL CAPACITY	XL	CH	RS	LGP	WH
Fuel capacity	489L	489L	489L	489L	489L
Coolant liquid capacity	55L	55L	55L	55L	55L
Engine oil capacity	24L	24L	24L	24L	24L
Hydraulic oil tank (travel)	105L	105L	105L	105L	105L
Final drive	30L/side	30L/side	30L/side	30L/side	30L/side
Transfer case	10L	10L	10L	10L	10L
OPERATING WEIGHT	XL	CH	RS	LGP	WH
Standard	23820kg	24475kg	24429kg	26420kg	27030kg
BLADE	XL	CH	RS	LGP	WH
Blade type	Semi-U	U-blade	Heavy-duty blade	Swamp straight-tilt blade	Waste handling blade
Blade capacity	6.9m³	7.5m³	8.7m³	6.42m³	12.86m³
DIMENSION	XL	CH	RS	LGP	WH
Machine height (with ROPS)	3335mm	3350mm	3350mm	3525mm	3525mm
Track grouser height	72mm	72mm	72mm	123mm	123mm
Ground clearance	450 mm	450 mm	450 mm	450 mm	450 mm
Machine length (with draw bar)	5940mm	6474mm	5940mm	6097mm	6469mm
Max. lifting height of blade	1247mm	1265mm	1247mm	1300mm	1300mm
Max. digging depth of blade	540mm	545mm	540mm	550mm	550mm
Digging angle of blade	52°±3°(deg.)				
Blade width	3642mm	3800mm	3642mm	4365mm	4365mm
Blade height	1580mm	1294mm	1801mm	1400mm	1981mm
Max.Blade tilt height	840mm	850mm	840mm	680mm	680mm
Width from end of left track shoe to end of right track shoe (standard)	2560mm	2660mm	2560mm	3160mm	3160mm
Min turning radius	4210mm	4204mm	4210mm	4319mm	4316mm
RIPPER					
Type	Three-shank ripper				
Weight	2646kg				
Max. ripping depth	655mm				
Max. lifting height	567mm				
Ripper length (at deepest ripping)	1882mm				
Ripper length (at highest ripping)	1547mm				
Tilt angle(at highest point)	2246mm				
Departure angle (at highest lifting)	16.35°				
Ripping width	2000mm				
Distance between ripper teeth	1000mm				



FD260|ROBUST& EFFICIENT

Engine Model: Weichai WP12
Gross Power: 206kW(277hp)@1900rpm
Operating Weight: 25,700kg



FD260 CRAWLER DOZER

SPECIFICATIONS

ENGINE	
Engine	WEICHAI WP12
Emission	China-III
Rated revolution	1900rpm
Gross power	206kW(277hp)@1900rpm
Net power	194kW(260hp)@1900rpm
Number of cylinder-bore×stroke	6-126X155mm
Displacement	11.596L
Max. torque	1250N.m@1200-1300rpm
Cooling system	Mechanic fan

DRIVE SYSTEM	
Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.
Traveling speed	Forward F1:3.8km/h F2:6.9km/h F3:11.8km/h Backward R1:4.5km/h R2:8.1km/h R3:13.9km/h
Max. theoretical traction force	460kN
Torque converter	3-element, single stage, 1-phase
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication
Central drive	Spiral bevel gear, single-stage speed reduction, splash lubrication
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.
Brake clutch	Wet, contracting band, foot operated with hydraulic booster
Final drive	Spur gear, double reduction ,splash lubrication

CHASSIS SYSTEM	
Type	Swing type of sprayed beam, suspended structure of equalizer bar
Track shoe type	Single grouserWetland type
Track gauge	2000mm2000mm2000mm2000mm
Width of track shoe	560/610/660mm610/660mm560/610/660mm910mm
Track grounding length	2730mm2730mm3050mm3480mm
Track grounding area	28727cm ² 34733cm ² 38317cm ² 71476cm ²
Number of track shoe	38 pcs/side38 pcs/side41 pcs/side45 pcs/side
Grounding pressure (standard configuration)	66kPa64kPa66kPa35.2kPa
Number of carrier roller	2 pcs/side
Number of track roller	6pcs/side7pcs/side8pcs/side
Pitch	206mm

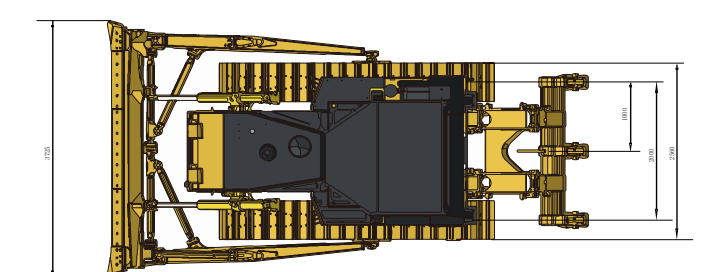
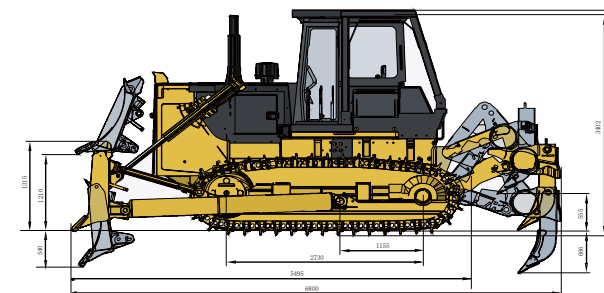
REFILL CAPACITY	
Fuel capacity	450L450L450L450L
Coolant liquid capacity	69L69L69L69L
Engine oil capacity	24L24L24L24L
Hydraulic oil tank	110L110L110L110L
Transmission	122L122L122L122L
Final drive	82L/side82L/side82L/side102L/side

OPERATING WEIGHT	
Standard	23450kg24700kg24600kg25700kg

BLADE	
Blade type	Straight-tilt /Angle/Semi-U/U bladeStraight-tilt blade
Blade capacity	4.6/3.4/6.7/5.8m ³ 5.2m ³

DIMENSION	
Machine height (without ROPS)	3402mm3402mm3402mm3402mm
Track grouser height	72mm72mm72mm123mm Wetland type
Ground clearance	405mm405mm405mm513mm
Machine length (without draw bar)	5462mm5462mm5712mm6257mm
Machine length (with draw bar)	5495mm5495mm5745mm6290mm
Max. lifting height of blade	1210mm1210mm1210mm1330mm
Max. digging depth of blade	540mm540mm540mm550mm
Digging angle of blade	55°(deg.)55°(deg.)55°(deg.)55°(deg.)
Blade width	3725mm3725mm3725mm4365mm
Blade height	1315mm1315mm1315mm1248mm
Width from end of left track shoe to end of right track shoe (standard)	3000mm3000mm3000mm3800mm

RIPPER	
Type	Three-shank ripperSingle shank ripper
Weight	2600kg2450kg
Q Max. ripping depth	666mm695mm
R Max. lifting height	555mm515mm
S Ripper length (at deepest ripping)	1781mm1974mm
T Ripper width	2158mm1762426mm
U Departure angle (at highest lifting)	25.5°25.5°
V Ripping width	2000mm1060mm
W Distance between ripper teeth	930mm-



FD320|ROBUST& EFFICIENT

Engine Model : Cummins NTA855-C360S10

Gross Power: 257kW(350hp)@2000rpm

Operating Weight: 34,500kg



FD320 CRAWLER DOZER

SPECIFICATIONS

ENGINE	
Engine	Cummins NTA855-C360S10
Emission	China-I
Rated revolution	2000rpm
Gross power	257kW(350hp)@2000rpm
Net power	235kW(320hp)@2000rpm
Number of cylinder-bore×stroke	6-140X152mm
Displacement	14.01L
Max. torque	1509N.m@1400rpm
Cooling system	Mechanic fan

DRIVE SYSTEM	
Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.
Traveling speed	Forward F1:3.6km/h F2:6.6km/h F3:11.5km/h Backward R1:4.4km/h R2:7.8km/h R3:13.5km/h
Max. theoretical traction force	318.2kN
Torque converter	3-element, single stage, 1-phase
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication
Central drive	Spiral bevel gear, single-stage speed reduction, splash lubrication
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.
Brake clutch	Wet, contracting band, foot operated with hydraulic booster
Final drive	Spur gear, double reduction ,splash lubrication

CHASSIS SYSTEM	
Type	Swing type of sprayed beam, suspended structure of equalizer bar
Track shoe type	Single grouser
Track gauge	2140mm 2140mm 2140mm 2140mm 2140mm
Width of track shoe	560/610/660/710mm 560mm (heavy duty)
Track grounding length	3150mm 3150mm 3150mm 3150mm 3150mm
Track grounding area	35280/38430/41580/44730cm ² 35280cm ²
Number of track shoe	41 pcs/side
Grounding pressure (standard configuration)	81.7kPa 82.3kPa 82.9kPa 85.6kPa 84.1kPa
Number of carrier roller	2 pcs/side
Number of track roller	7pcs/side
Pitch	228.6mm

REFILL CAPACITY	
Fuel capacity	640L 640L 640L 640L 640L

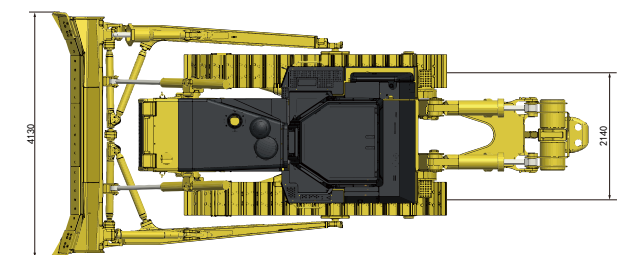
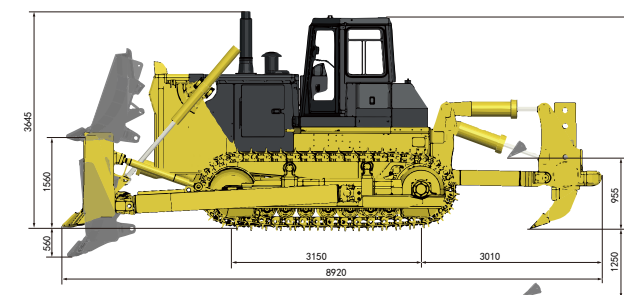
Coolant liquid capacity	79L	79L	79L	79L	79L
Engine oil capacity	45L	45L	45L	45L	45L
Hydraulic oil tank	97L	97L	97L	97L	97L
Transmission	185L	185L	185L	185L	185L
Final drive	55L/side	55L/side	55L/side	55L/side	55L/side

OPERATING WEIGHT	
Standard	34500kg 34150kg 34150kg 35230kg 35000kg

BLADE	
Blade type	Straight-tilt /Angle/ Semi-U Coal-U Straight-tilt /Angle/ Semi-U Waste handling blade Straight-tilt / Angle/Semi-U
Blade capacity	7.2/4.8/9m ³ 12.1m ³ 7.2/4.8/9m ³ 18.3m ³ 7.2/4.8/9m ³

DIMENSION	
Machine height (without ROPS)	3760mm 3760mm 3760mm 3760mm 3760mm
Track grouser height	72mm 72mm 72mm 72mm 72mm
Ground clearance	500mm 500mm 500mm 500mm 500mm
Machine length (without draw bar)	6276mm 6276mm 6276mm 6276mm 6276mm
Machine length (with draw bar)	6610mm 6610mm 6610mm 6610mm 6610mm
Max. lifting height of blade	1560/1703/1560mm 1560mm 1560/1703/1560mm 1560mm 1560/1703/1560mm
Max. digging depth of blade	560/630/560mm 560mm 560/630/560mm 560mm 560/630/560mm
Digging angle of blade	55°±3°(deg.)
Blade width	4130/5000/4130mm 4806mm 4130/5000/4130mm 4502mm 4130/5000/4130mm
Blade height	1590/1140/1710mm 1710mm 1590/1140/1710mm 2314mm 1590/1140/1710mm
Width from end of left track shoe to end of right track shoe (standard)	2700mm 2700mm 2700mm 2700mm 2700mm

RIPPER	
Type	Three-shank ripper Single shank ripper
Weight	4954kg 4404kg
Max. ripping depth	842mm 1250mm
Max. lifting height	883mm 955mm
Ripper length (at deepest ripping)	2467mm 2855mm
Ripper width	2420mm 1186mm
Departure angle (at highest lifting)	34.5° 34.3°
Ripping width	2240mm -
Distance between ripper teeth	1120mm -





FD460H | ROBUST& EFFICIENT

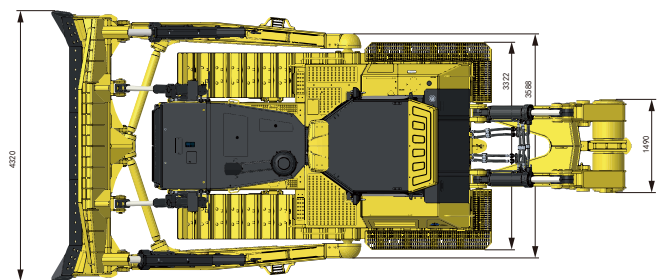
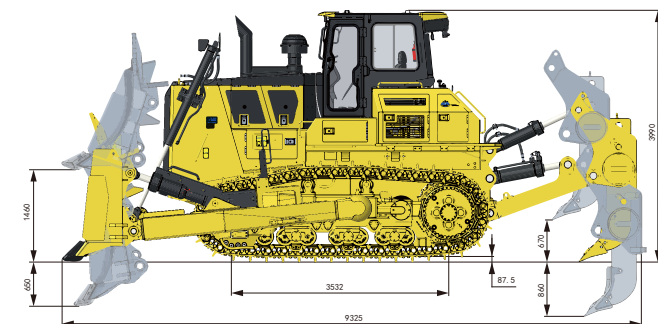
Engine Model : Cummins QSX 15 Tier III
Gross Power: 380kW(510hp)@1800rpm
Operating Weight: RS: 56,000kg

FD460H CRAWLER DOZER

SPECIFICATIONS

ENGINE	
Engine	Cummins QSX 15
Emission	U.S. EPA Tier 3, EU Stage IIIA
Rated revolution	1800rpm
Gross power	380kW(510hp)
Net power	343kW(460hp)
No. of cylinder-bore×stroke	6×137mm×169mm
Displacement	15L
Max. torque	2365Nm@1400rpm
Cooling system	Smart temperature-controlled fan
DRIVE SYSTEM	
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load, "stepless" variable speed, mono-lever control of travel, speed and steering; steering with load, pivot steering, work flexibly, high efficiency, easy for maintenance
System overflow pressure	43500kPa
Traveling speed	Forward 0~11km/h
	Backward 0~11km/h
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	Double-reduction final drives of spur gear and planetary gear
CHASSIS SYSTEM RS	
Type	Pivot, equalizing beam suspended type, semi-rigid structure
Track shoe type	Single grouser
Track gauge	2260mm
Width of track shoe	610mm/660mm/710mm
Track grounding length	3532mm
Track grounding area	21545cm ²
Number of track shoe	40 pcs/side
Grounding pressure (standard configuration)	120kPa
Number of carrier roller	2 pcs/side
Number of track roller	7 pcs/side
Pitch	260mm
REFILL CAPACITY	
Fuel capacity	920L
Coolant liquid capacity	73L
Engine oil capacity	45-49L
Hydraulic oil tank (travel)	370L
Hydraulic oil tank (work)	43L/single side
Final drive	8L
Transfer case	6L

OPERATING WEIGHT RS	
Operating weight	56000kg
BLADE RS	
Blade type	Rock Blade
Blade capacity	13.7m ³
DIMENSION RS	
Machine height	3990mm
Track grouser height	87mm
Ground clearance	680mm
Machine length (with ripper)	9325mm
Machine length (without ripper)	7085mm
Max. lifting height of blade	1460mm
Max. digging depth of blade	660mm
Digging angle of blade	53°±3°(deg.)
Blade width	4320mm
Blade height	1950mm
Blade tilt height	1140mm
Width from end of left track shoe to end of right track shoe	2870mm (standard)
Width from end of left footplate to end of right footplate	3322mm (standard)
RIPPER	
TYPE	Single Shank ripper
Weight	3728kg
Ripping Depth of Ripper	1245mm
Lifting Height of Ripper	1056mm
Length of Ripper(Maximum Subsoiling Position)	2475mm
Width of Ripper	1490mm
Tilt Angle(Maximum Lift Position)	37.5°
HYDRAULIC SYSTEM	
PPC-controlled palm command joystick provides blade control. Combined with the highly reliable hydraulic system, precise control is the result.	
Hydraulic control unit: All spool control valves externally mounted remote to the hydraulic tank. Gear-type hydraulic pump with capacity (discharge flow) of 152ltr/min at rated engine rpm.	
Relief valve setting	21MPa
Number of cylinders	Bore - Stroke
Blade lift :2	95mmX1165mm
Blade tilt :1	140mmX145mm
Control valves: 2-spool control valve for semi-u or straight-tilt blade.	
Positions:	
Blade lift	Raise, hold, lower, and float
Blade tilt	Right, hold, and left
Additional control valve required for ripper.	
Positions:	
Ripper lift	Raise, hold and lower



// FD600 | ROBUST& EFFICIENT

Engine Model : CUMMINS QSK19

Gross Power: 450KW(604HP)@1800rpm

Operating Weight: 70630KG



FD600 CRAWLER DOZER

SPECIFICATIONS

ENGINE

Engine	Cummins QSK19
Emission	China-III
Rated revolution	1800rpm
Gross power	450kW(604hp)@1800rpm
Net power	438kW(588hp)@1800rpm
Number of cylinder-bore×stroke	6-159mm*159mm
Displacement	19L
Max. torque	3019N.m@1300rpm
Cooling system	Smart hydraulic control fan

DRIVE SYSTEM

Drive system	cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch and a planetary gear, multiple-disc clutch transmission which is hydraulically-actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch help prevent accidental starts.	
	-	
Traveling speed	Forward	0-3.8/0-6.8/0-11.8km/h
	Backward	0-5.1/0-9.2/0-15.8km/h
Max. theoretical traction force	588kN	
Torque converter	3-element, 1-stage, 1-phase with lockup clutch	
Transmission	Planetary gear, multiple-disc clutch, hydraulically actuated and force-lubricated	
Steering clutch	Wet, multiple-disc steering clutches are spring-actuated loaded and hydraulically released.	
Brake clutch	Wet, multiple-disc brakes are spring-actuated and hydraulically released.	
Final drive	Primary spur gear + primary planetary reduction	

CHASSIS SYSTEM

Type	Oscillation with equalizer bar and forward mounted pivot shafts , unique K- type bogies
Track shoe type	Single grouser
Track gauge	2500mm
Width of track shoe	610/710/810mm
Track grounding length	3840mm
Track grounding area	46850cm²
Number of track shoe	40pcs/single side
Grounding pressure	130.2kPa
Number of carrier roller	2pcs/single side
Number of track roller	7pcs/side
Pitch	280mm

VOLUME

Fuel capacity	1150L
Coolant liquid capacity	122L
Engine oil capacity	24L
Hydraulic oil tank (travel)	275L
Hydraulic oil tank (work)	246L
Final drive	61L/single side

OPERATING WEIGHT

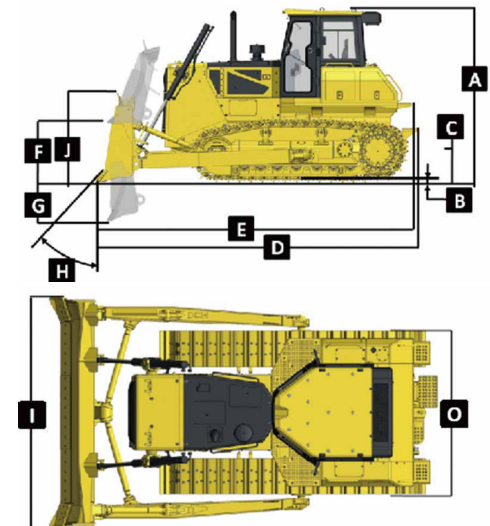
Operating weight (standard)	70630kg
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BLADE

Blade type	Semi-U blade(heavy duty)
Blade capacity	18.9m³

DIMENSION

A	Machine height (without ROPS)	4370mm
B	Track grouser height	93mm
C	Ground clearance	610mm
D	Machine length (without draw bar)	10390mm
E	Machine length (with draw bar)	-
F	Max. lifting height of blade	1660mm
G	Max. digging depth of blade	715mm
H	Digging angle of blade	55°
I	Blade width	4690mm
J	Blade height	2250mm
O	Width from end of left track shoe to end of right track shoe (standard)	3110mm



PARAMETER OF RIPPER

Type		Single shank ripper
	Weight	3946kg
Q	Max. ripping depth	1435mm
R	Max. lifting height	1105mm
S	Ripper length (at deepest ripping)	2928mm
	Ripper width	1600mm
	Departure angle (at highest lifting)	45.6°

