



# SWL/SWTL Series

## **Skid Steer Loader**

#### ■ SUNWARD INTELLIGENT EQUIPMENT CO.,LTD.

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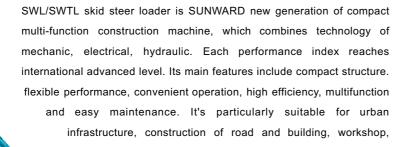
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SWL&SWTL EN 2016-10

### **Product Introduction**

#### **Performance**



warehouse, dock, ship deck and narrow space like vessel cabin or other places require frequently transformation of working content. By changing work attachment, Skid steer loader can execute various task such as loading, lifting, digging, boring, breaking, Grapping, earth loosening, road cleaning and pavement works.

#### Innovative Monolithic Structure



- ◆ Fuel tank and chassis was designed as a integral structure that makes machine more compact and durable.
- ◆ Rectangular steel tube structure of boom, good rigidity and high strength.

#### Closed Static Hydraulic Traveling System



◆ Static hydraulic traveling system, equipped by advanced anti-overloading hydraulic device, largetorque motor, big driving force, with self-brake function, safe and reliable.

#### Original Imported Engine



◆ Customized engine from origin import, strong power, high reliability, low noise, environment friendly, meets emission standard of different regions.



## Higher Lifting Height



◆ Optimized structure designation enable machine to have higher lifting height than other brand.

#### Unique Vertical **Lifting Working Unit**



unit, which contains bigger lifting capacity, higher lifting height and

#### Auto-leveling System



◆ Unique vertical lifting working longer discharge distance.





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## **Comfort and Safety**

### Maintenance



#### Pilot Handle Operation

◆ Proportional control pilot joystick operation, simple, labor saving, agile.

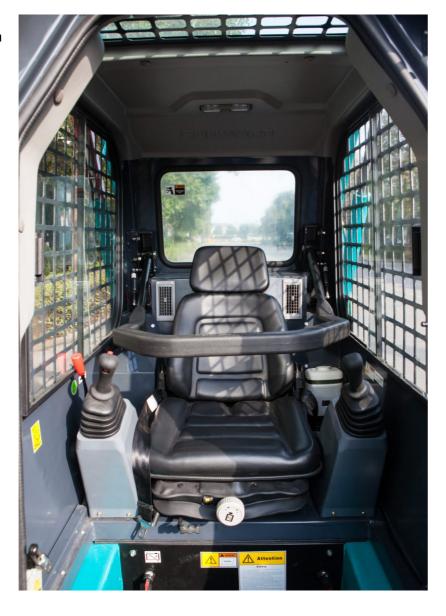
#### Double Accelerator Control

◆ Adapt double accelerator control, hand accelerator for constant power in workplace, pedal accelerator for bucket loading.



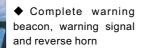


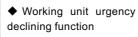
- ◆ Wide space and good vision, easy in and out, all of button and switch is reachable.
- ◆ Equipped with heater and air conditioning, choose appropriate configuration depending on different regions.



















◆ Convenient maintain and reach to every repairing position

◆ Safety lever locked when lifts boom, cab, cover plate to a max position







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## SWL/SWTL Skid Steer Loader

#### Standard quick coupler



Adapt to international common quick coupler, fast change various kinds attachment. Majority of attachments can be used in Sunward skid steer loader.



• High flow system is optional. Skid steer loader enlarge flow rate by interflow of two pumps, which meets lots of attachment required by high flow, like cold planer etc.



**Snow Blower** 



Ditcher





Mixer

**Cold Planer** 





4 in 1 bucket

Compact





Delver **Snow Blade** 

#### **Construction Case**



Earthquake relief in Wenchuan

In Xinjiang

Work in Iran







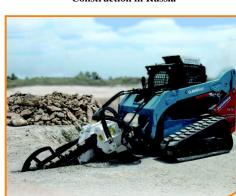
Sweeping in Beijing

Construction in Changsha

Construction in Russia







**Breaking in Belgium** 

Work in Italy

In U.S.A

#### STANDARD CONFIGURATION

• Standard quick coupler, standard bucket, cabin, safety handrail, adjustable seat, centralized display panel, auto-levelling, ordinary flow, front working lights, warning light, reversing warning, horn, double accelero-control, etc.

#### **OPTIONAL CONFIGURATION**

• High flow systems, side windows, closed cab, heater, air conditioning, external power supply, counterweight, attachments electronic control system, rear working lights, etc.

#### **ATTACHMENTS**

• Bucket, 4 in 1 bucket, fork, manure fork, rod string, sieve shovel, deicer, pushing snow blade, simple delver, grasping wooden bucket, dozer blade, hydraulic breaker, bevel cleaner, closed cleaner, ditch digger, snow blower, blender, auger, planer, vibratory road, weed extractor, disc trencher, move the tree cutter, hedge trimmer, wrecker, rotary cultivator, hundreds of optional attachments etc.

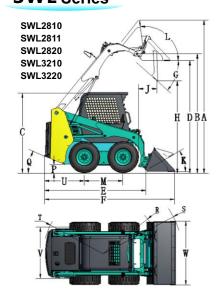
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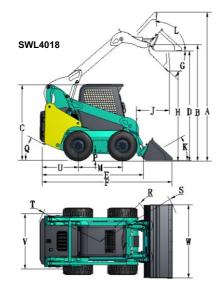


## **SWL/SWTL Skid Steer Loader Series Product Size Parameters**

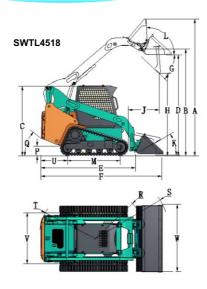
Datas			Model	SWL2810	SWL2811	SWL2820	SWL3210	SWL3220	SWL4018	SWTL4518
Dimension(LxBxH)			in	128.4×63.0×79.4	130.6x63.0x79.3	130.6×63.0×79.3	143.7×72.0×81.4	143.7×72.0×81.4	145.1×79.3×82.6	144.1×79.3×83.9
OPERATING PARAMETERS	A	Max. operating altitude	in	151.6	151.6	151.6	158.3	158.3	161.7	161.7
	В	Height to bucket hinge pin	in	118.2	118.2	118.2	123.0	123.0	126.4	126.4
	С	Height to top of cab	in	79.4	79.3	79.3	81.4	81.4	82.6	83.9
	D	Height to bottom of level bucket	in	111.6	111.6	111.6	116.1	116.1	119.4	119.4
	Е	Overall length without attachment	in	97.4	102.5	102.5	116.1	116.1	115.2	113.7
	F	Overall length with standard bucket	in	128.4	130.6	130.6	143.7	143.7	145.1	144.1
	G	Max. height of the unloaded angle	0	42	42	42	43	43	43	43
	Н	Dumping height	in	91.3	91.3	91.3	94.3	94.3	96.6	96.6
	J	Dumping reach	in	18.7	18.7	18.7	24.6	24.6	34.5	36.4
	K	Bucket on the ground of the flip angle	0	30	30	30	30	30	30	30
	L	Bucket at the highest flip angle	0	97	97	97	93	93	92	92
	M	Wheelbase	in	38.9	38.9	38.9	43.9	43.9	48.5	63.0
	P	Ground clearance	in	7.5	7.5	7.5	8.1	8.1	8.1	9.3
	Q	Angle of departure	0	25	25	25	27	27	28	36
	R	Without the attachments before turning radius	in	46.0	48.6	48.6	52.8	52.8	53.7	56.7
	S	Before turning radius	in	76.9	76.9	76.9	85.8	85.8	88.4	90.1
	Т	After turning radius	in	60.4	60.3	60.3	66.9	66.9	68.9	65.9
	U	Tail length	in	37.8	40.2	40.2	44.2	44.2	41.9	31.6
	V	Wheel spacing (track center distance)	in	50.9	50.9	50.9	58.1	58.1	59.1	60.2
	W	Bucket width	in	63.0	63.0	63.0	72.0	72.0	79.3	79.3

## SWL Series





## SWTL Series



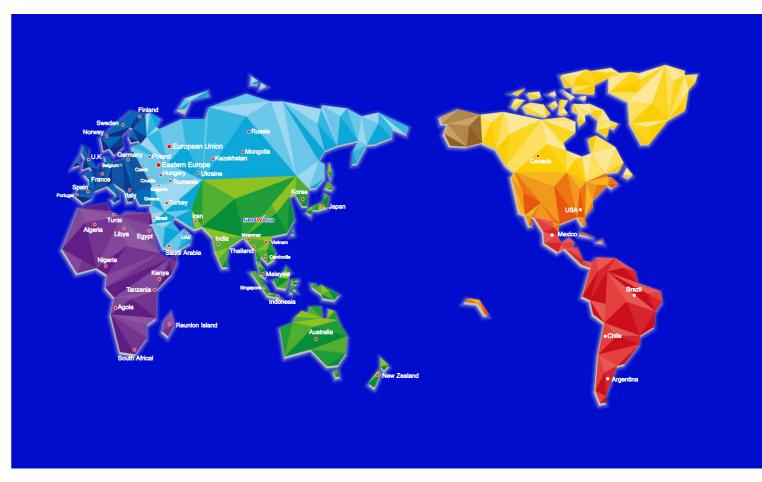
## **SWL/SWTL Skid Steer Loader Series Product Performance Parameters**

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Datas		Model	SWL2810	SWL2811	SWL2820	SWL3210	SWL3220	SWL4018	SWTL4518			
	Total weight	1b	6134	6244	6244	7392	7392	8826	10062			
	Loading capacity	1b	1655	1655	1655	2207	2207	3310	3310			
NCE	Tipping load	1b	3310	3310	3310	4413	4413	6620	9455			
)RM∆	Bucket breakout force	lb	4413	4413	4413	5472	5472	7613	7613			
PERFORMANCE	Boom breakout force	1b	4192	4192	4192	5362	5362	6620	6620			
Д.	Max. traveling speed	mph	8.5	8.1	8.1	7.8	7.8	6.2/12.4 (Double speed)	4.3/6.8 (Double speed)			
	Bucket capacity	ft <sup>3</sup>	14.1	14.1	14.1	18.7	18.7	23.6	23.6			
	Brand		Yanmar	Xinchai	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA			
	Model		4TNV84T	C490BG	V2403-M-T	V3300DI	V3307-DI-T	V3800DI-T	V3800DI-T			
RE	Туре		4-cylinder, water-cooled, diesel engine									
ENGINE	Emission standards		EPA Tier2/ EU Stage II	China Stage II	EPA Tier4/ EU Stage III	EPA Tier2/ EU Stage II	EPA Tier4/ EU Stage III	EPA Tier3/ EU Stage III	EPA Tier3/ EU Stage III			
	Power	hp	53.5	49.3	55.9	73.6	74.3	99.2	99.2			
	Max. torque	lb·ft	118.4	115.1	120.7	180.0	195.5	239.7	239.7			
z	Туре			Hydrostatic closed circuit								
ISSIC EM	Main pump		2×Variable displacement piston pump									
TRANSMISSION SYSTEM	Motor		2xRadial piston quantitative motor  2xRadial piston two variable motor motor									
	Туре		Throttling system									
JIC 1	Pump		Gear pump									
HYDRAULIC SYSTEM	Max. flow	gpm	17.8+8.3	17.8	17.8+8.3	21.1+11.6	21.1+11.6	23.8+18.2	21.1+11.6			
HYD SY	Max. pressure	psi	3045	3045	3045	3045	3045	3045	3045			
	Control valve		Three joint multi-way valve									
	Control mode		ISO model of pilot control									
AL 1	Starting motor	V/kW	12/2.3	12/3.0	12/2.0	12/3.0	12/3.0	12/3.0	12/3.0			
TRIC	Alternator	V/A	12/55	12/40	12/40	12/45	12/80	12/80	12/80			
ELECTRICAL SYSTEM	Battery	Ah	80	80	80	100	100	100	100			
	Hydraulic oil tank	gal	13.2	9.2	9.2	9.2	9.2	17.2	17.2			
QUANTITY	Fuel oil tank	gal	18.5	19.8	19.8	22.5	22.5	23.8	23.8			
QUA	Sprocket oil tank	gal	6.3	6.3	6.3	6.9	6.9	7.9				
FILLING	Engine oil	gal	2.0	1.7	2.5	3.5	2.9	3.5	3.5			
FIL	Sprocket oil tank	gal	2.0	2.4	2.1	2.2	2.2	2.6	2.6			
ING	Tire size		10-16.5	10-16.5	10-16.5	12-16.5	12-16.5	12-16.5-12RP				
RUNNING	Track size								450×84×57			
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## Worldwide Network for Sales and Service



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