SUNWARD

Excavator SWE 18B

Operating Weight	**1.84t**
Engine Power	**14.7kw/2200rpm**
Engine Brand	**PERKINS**
Standard Bucket Capacity	**0.04m³**
Max. Digging Depth	**2.155m**



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Parameter

ENGINE	
Brand	PERKINS
Model	403D-11
Type	3-cylinder water-cooled indirect injection
Displacement	1.1L
Power	14.7kW/2200rpm

DIMENSIONS	
Counterweight Clearance	498mm
Tail Swing Radius	1080mm
Shipping Length	3820mm
Transport Width	1170mm
Shipping Height	2378mm

ELECTRIC SYSTEM	
Nominal Voltage	12V
Batteries	45Ah
Alternator	12V-40A
Starter	12V-1.4kW

DRIVE	
Max.Travel Speed (2nd/1st)	3.2/1.9km/h
Gradeability	30°
Max. Traction	15.9kN

WORKING RANGES	
Max. Cutting Height	3509mm
Max. Loading Height	2482mm
Max. Digging Depth	2155mm
Max. Vertical Wall Digging Depth	1551mm
Max. Digging Reach	3850mm
Max. Reach at Ground Level	3472mm
Bucket Digging Force	13.1kN
Stick Digging Force	8.7kN
Ground Pressure	27.8kPa
Swing Speed	9rpm

UNDERCARRIAGE	
Undercarriage Width	980/1310mm
Shoe Width	230mm
Length to Center of Rollers	1170mm
Track Length	1528mm
Track Height	381mm

CAPACITY	
Fuel Tank	23L
Hydraulic Oil Tank	35L

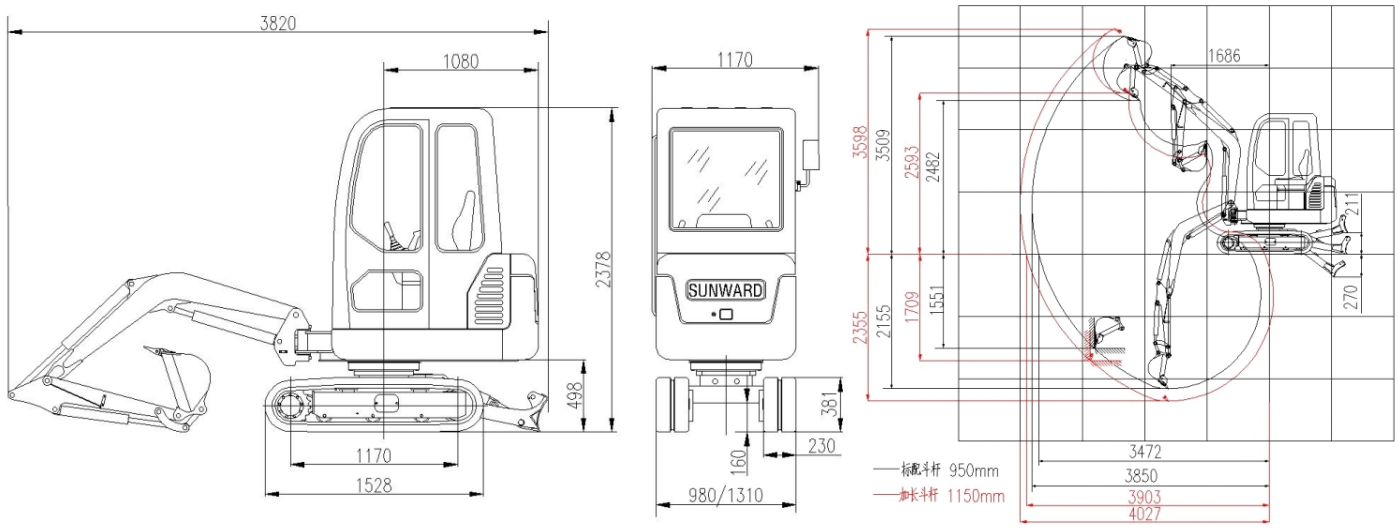
BULLDOZING BOARD	
independent moving, controlled by the gear shift lever	
Length X Width	1310x267mm
Max. Lifting Height	211mm
Max. Cutting Depth	270mm

HYDRAULIC SYSTEM	
Main Pumps	
Type	3 gear pumps
Displacement	2x18+14 L/min
Working Pressure	20/18 MPa

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Working Ranges



Load Capacity

A(m) / B(m)	MAX		3.0m		2.0m	
	Front(kg)	Side(kg)	Front(kg)	Side(kg)	Front(kg)	Side(kg)
2.5	213.00*	209.00*	—	—	—	—
2.0	235.00*	226.00*	244.00	244.00	—	—
1.0	274.00*	210.00	309.00	313.00	500.00*	470.00*
0.0	304.00*	225.00	318.00	283.00	574.00*	435.00
-0.5	330.00*	257.00	326.00	296.00	531.00*	450.00
-1.0	214.50*	200.10*	—	—	238.40*	224.10*

Notes:

1) Load with * is limited by hydraulic capacity and based on ISO 10567. Rated loads do not exceed 87% of hydraulic capacity.
2) Load without * is limited by tipping load and based on ISO 10567. Rated loads do not exceed 75% of tipping load.

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