SUNWARD

Innovation Leads to Value

SWE 20F
MINI-SIZED EXCAVATOR

SUNWARD INTELLIGENT EQUIPMENT CO.,LTD.

Add: Sunward Intelligent Industrial Park, Xingsha, Changsha, 410100, China.
Tel: (0086−731) 83572 828   E−mail: international@sunward.com.cn
Web: www.sunward.com.cn

SUNWARD EUROPE HEAVY INDUSTRY N.V
Add:Nijvenrheidsark 3,3580
Beringen,Belgium
Tel:(0032-011)434666
E_mail:eu@sunward.cc
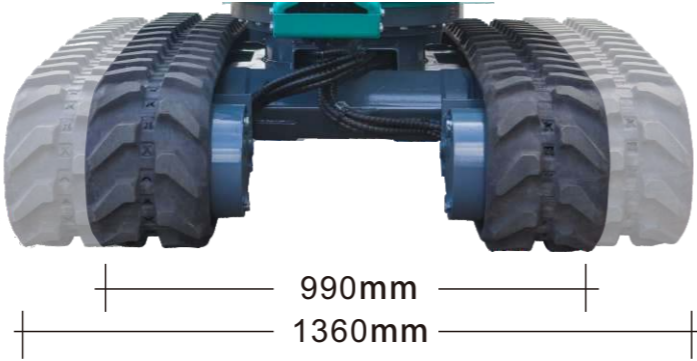
Engine netpower: 13.4kW
Machine weight: 1940/1840kg

Configuration	Standard	Optional
Cab	●	
Canopy		●
Breaker pipes	●	
Auxiliary pipes		●
Hydraulic quick hitch pipes		●

990mm

Telescopic chassis

Simple single lever controls the width of chassis to as narrow as 990mm and to as wide as 1360mm to enhance operation stability.

990mm
1360mm

Outstanding performance

Yanmar engine

With low noise and vibration, it is popular among compact equipment and it is easy to maintain the main components.

Pilot traveling control

Pilot traveling control for precise and correct operation.

Auto gear shifting during traveling

Auto high-speed and low-speed gear shifting; in case of obstacles during high speed traveling, it shifts to low speed gear of high torque.

Easy to transport

Comfort cab

Comfort operation environment

Wider space and wide view enabled by enlarged front windscreen and sunroof; in addition, the high-quality floating shock absorber seat, radio, cup holder and reading light ensure a comfortable driving experience.

Safe driving space

Frame supported cab with Fops/Tops safety certificate, regular protection mechanism of front windscreen, hidden seat belt and safety hammer for safety of driver.

Clear monitoring instrument that is easy to operate

■ **List of display items**

|		
•Coolant temperature	• Traveling mode	• Oil pressure warning
•Fuel level	• Operation light	• Charging indication
•Working hours	• Various warning lights of engine	• Working light indication
•Time	• Overheat warning	

Easy service

The tail hood can be open to a large degree, which makes easier daily inspection and change of filters. The left lower service hole makes easier maintenance of multi-way valve without removing the cab. Exterior fuel filler makes refueling easier.

(A) Air filter
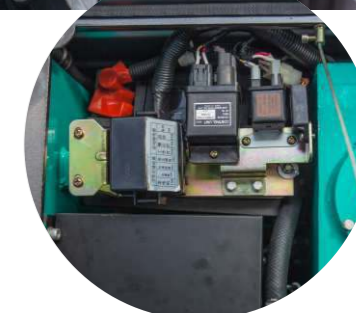
(B) Pilot filter

(C) Expansion tank

(D) Interface for pressure measurement

(E) Primary fuel filter

(F) Electric oil suction pump

(G) Fine fuel filter

(H) Oil filter

(I) Oil filler
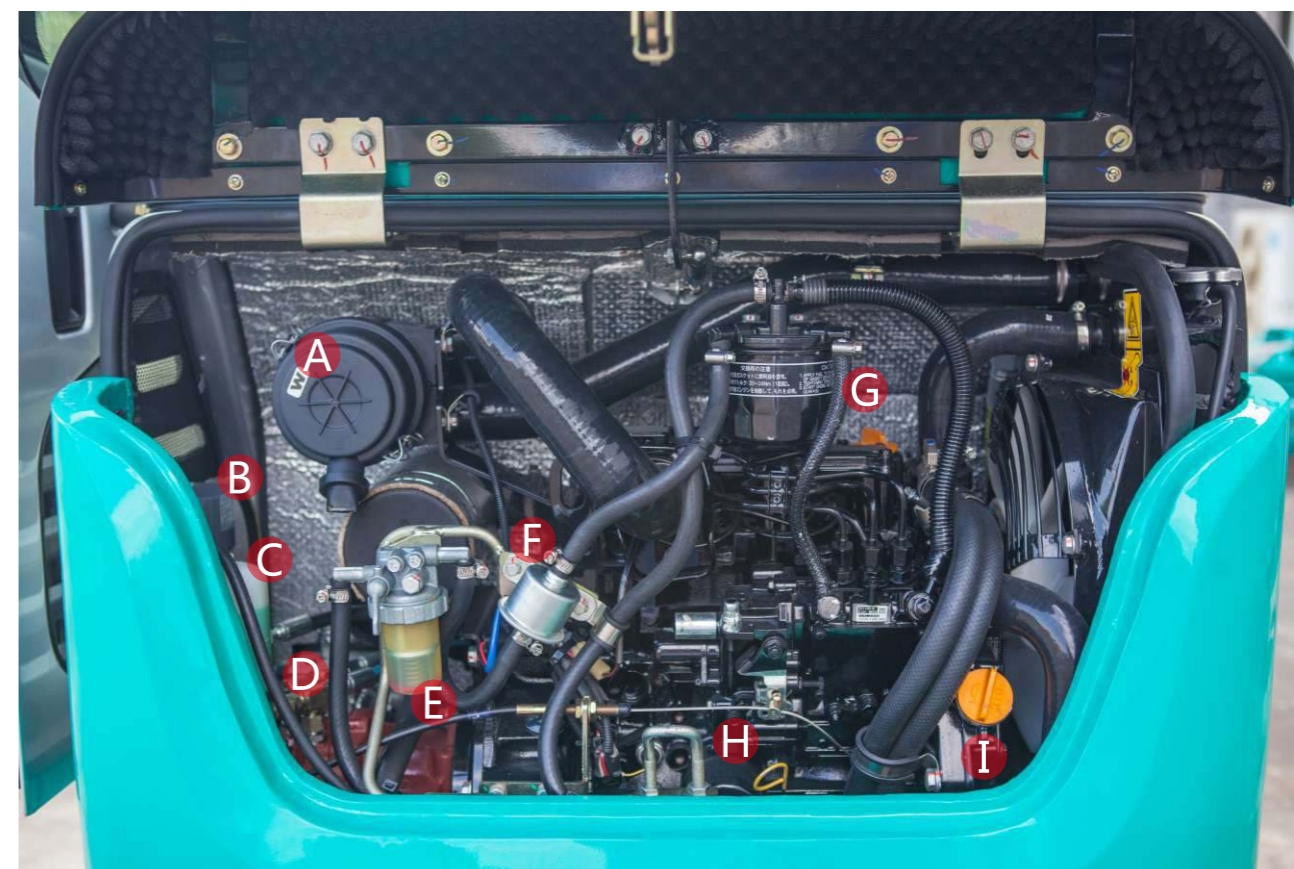
LED working light

LED warning light

Steel protection cover

Tools placement location

Auxiliary pipes(Standard)

Hydraulic quick hitch pipes(optional)

Centralized greasing filling

Foldable dozer blade

Cast slew connector

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Equipment

The regular and optional equipment varies from country to country.
For more information, please contact with us.

Engine

Oil filter	●
Fuel filter	●
Oil-water separator	●
Air filter	●
Radiator	●
Alternator	●
Expansion tank	●
Electronic fuel pump	●
Muffler	●

Hydraulic system

Hydraulic pilot control rod	●
Slewing parking brake system	●
Traveling parking brake system	●
Dual-speed traveling system	●
Auto traveling gear shifting system	●

Light

Boom light	●
Superstructure light	●
Front cab light	●
Warning lamp	●

Components of understructure

230 mm rubber track	●
230 mm steel track	○

Cab

AM/FM radio	●
Cup holder	●
Suspension seat	●
Heating system	●
Engine neutral start system	●
Retractable safety belt	●
FOPS/TOPS cab	●
FOPS/TOPS canopy	○
Windscreen washer and wiper	●
Left/right rearview mirror	●
Cigar lighter	●
Safety device of front windscreen	○

Front working devices

260 mm bucket	○
380 mm bucket	●
600 mm bucket	○
1000 mm bucket	○
Breaker pipes	●
Auxiliary pipes	○
Hydraulic quick hitch pipes	○

● Standard equipment   ○ Optional equipment

SWE20F Technical Parameters			
Type of cab			Cabin/canopy
Bucket capacity		m³	0.04
Bucket width, std.		mm	380
Machine weight		kg	1940/1840
Dimensions	Overall length	mm	3820
	Overall height	mm	2370
	Overall width	mm	990
	Ground clearance	mm	482
Engine	Brand		Yanmar
	Model		3TNV80F-SSSU
	Displacement	L	1.267
	Output	kW/rpm	13.4/2200
Working ranges	Max cutting height	mm	3770
	Max loading height	mm	2720
	Max digging depth	mm	2380
	Max digging reach	mm	4040
	Boom swing angle(Left/Right)	°	75/50
	Front swing radius	mm	1565
	Tail swing radius	mm	1120
	Max digging force (Arm)	kN	9.83
	Max digging force (Bucket)	kN	22.7
Track	Type		Rubber track
	Rubber shoe width	mm	230
Undercarriage	Track length	mm	1555
	Length to center of rollers	mm	1210
	Length to center of track	mm	760/1130
	Traveling speed(High/Low)	km/h	3.5/2
	Gradeability	deg	30
Swing speed		rpm	10
Ground pressure		kpa	30
Dozer size	Width	mm	990/1360
	Height	mm	267
	Lifting capacity (Height/Depth)	mm	295/360
Hydraulic pumps	Type		2 variable plunger pumps, 1 Gear pump
	Flow rate	L/min	2*21+15
	Hydraulic pressure	Mpa	22.5+18
Swing motor			Plunger motor
Travel motor			2-speed plunger motor
Fuel tank capacity		L	23
Hydraulic oil tank capacity		L	35
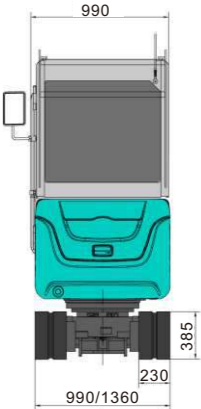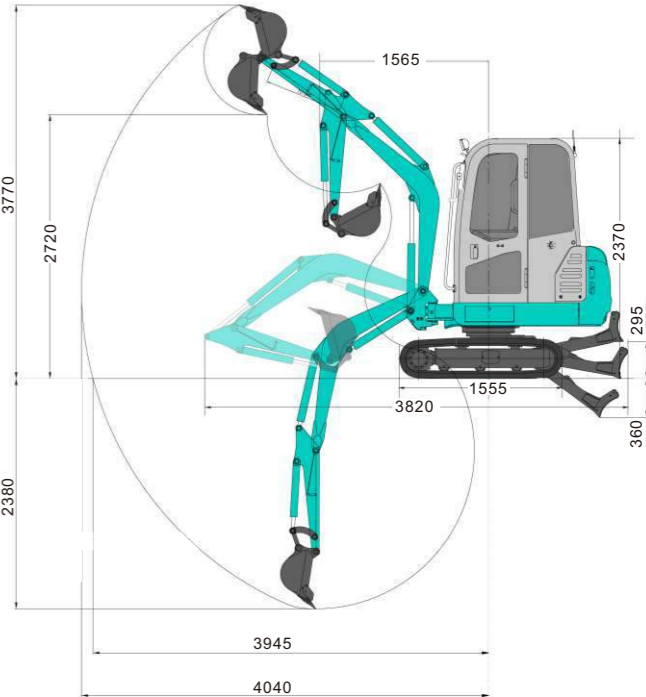
Load Capacity:

Lift Point Height	Lift Point Radius (MAX)		Lift Point Radius (3.0m)		Lift Point Radius (2.0m)	
	Over-front (kg)	Over-side (kg)	Over-front (kg)	Over-side (kg)	Over-front (kg)	Over-side (kg)
2.0m	260.0*	180.0	250.0*	210.0	-	-
1.50m	280.0*	150.0	310.0*	200.0	470.0*	380.0
0m	300.0*	160.0	360.0*	190.0	670.0*	350.0
—1.0m	330.0*	200.0	-	-	620.0*	340.0
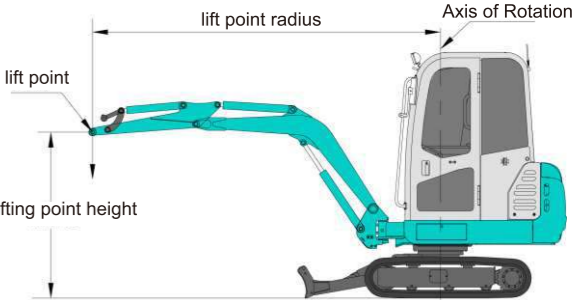
Notes:
1. Load with * is limited by hydraulic capacity and based on ISO 10567. Rated loads do not exceed 87% of hydraulic capacity.
2. Load without * is limited by tipping load and based on ISO 10567. Rated loads do not exceed 75% of tipping capacity.
3. The excavator bucket, hook, sling and other lifting accessories are not included in this table.