

SUNWARD

SWE SERIES EXCAVATOR

SWE80B

SWE80B Specifications

ENGINE

Manufacturer	Yanmar
Model	4TNV98-ZSSU
Type	4-cylinder 4-stroke water-cooled
Displacement	202.5 in ³
Power	58 hp @ 2200 rpm

ELECTRICAL SYSTEM

Operating Voltage	12V
Batteries	120Ah
Alternator	12V-55A
Starter	12V-3.0kw

HYDRAULIC SYSTEM

Main Pumps	KYB
Type	1 X Variable Piston Pump
Displacement	41 gal/min
Working Pressure	3771 psi

PERFORMANCE

Max. Travel Speed (2nd/1st0)	2.5 / 1.5 mph
Swing Speed	10.0 rpm
Ground Pressure	5.28 psi
Gradeability	35°
Max. Traction	13,938.2 lbf
Bucket Digging Force	11,937.4 lbf
Stick Digging Force	8,160.6 lbf

REFILL CAPACITY

Fuel Tank	31.2 gal
Hydraulic Oil Tank	27.7 gal

BLADE

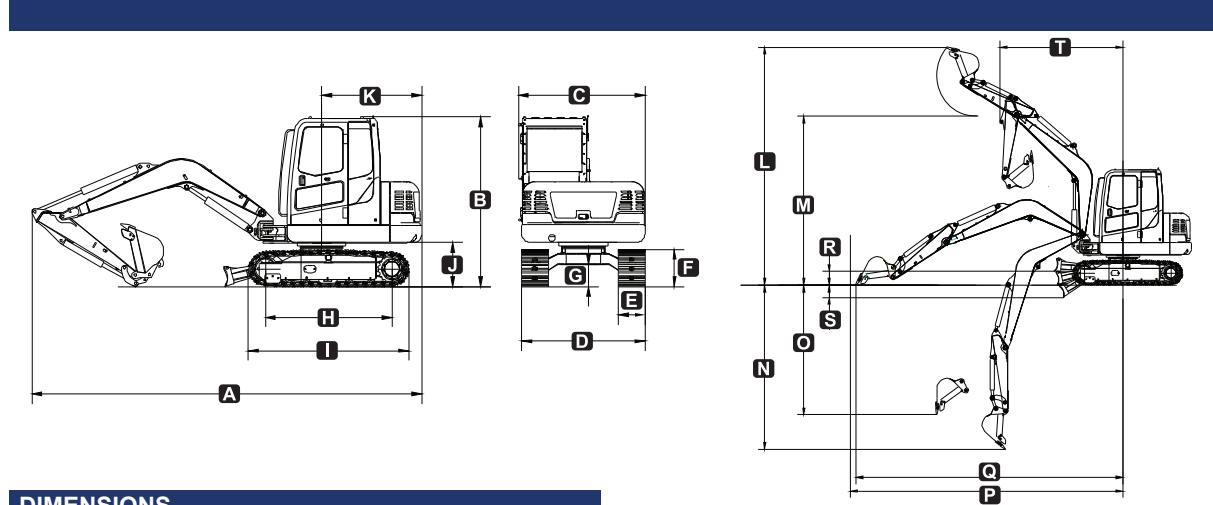
Width x Height	74.8 x 13.3 in
Max. Lift Height	16 in
Max. Cutting Depth	19 in

UNDERCARRIAGE

Track Type	Rubber Track
Track Width	18 in

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Operating Weight	17,412 lb
Engine Power	58 hp
Engine Brand	Yanmar
Standard Bucket Capacity	0.37 yd ³
Max. Digging Depth	12.1 ft
Overall Dimensions	22'4" X 7'1" X 8'9"



DIMENSIONS

A	Shipping Length	22 ft 4 in
B	Shipping Height	8 ft 9 in
C	Upperstructure Width	7 ft 1 in
D	Undercarriage Width	7 ft 1 in
E	Shoe Width	18 in
F	Track Height	25 in
G	Ground Clearance	13 in
H	Sprocket to Idler Centers	7 ft 3 in
I	Track Length	9 ft 2 in
J	Counterweight Clearance	2 ft 5 in
K	Tail Swing Radius	5 ft 6 in

WORKING RANGE

L	Max. Digging Height	22 ft 4 in
M	Max. Loading Height	15 ft 12 in
N	Max. Digging Depth	13 ft 9 in
O	Max. Vertical Digging Depth	11 ft 0 in
P	Max. Digging Reach	23 ft 7 in
Q	Max. Reach at Ground Level	23 ft 1 in
R	Max. Blade Lift	16 in
S	Max. Blade Depth	19 in
T	Min. Swing Radius	8 ft 7 in
U	Boom Swing Angle Left / Right	68° / 57°

LOAD CAPACITY

	Max		19.7'		16.4'		13'		9.8'	
	Front (lb)	Side (lb)	Front (lb)	Side (lb)	Front (lb)	Side (lb)	Front (lb)	Side (lb)	Front (lb)	Side (lb)
19.7'										
16.4'	3,111*	3,272*								
13.1'	2,503	2,229			3,166*	2,514				
9.8'	2,075	1,956			3,325*	2,538*	3,883*	3,905*	3,671*	5,689*
6.6'	2,093	1,801	2,273	1,857	2,829	2,384	3,894*	3,356	6,068*	4,904
3.3'	2,011	1,691	2,183	1,764	2,710	2,293	3,720	3,166	5,449	4,275
0'	2,007	1,665	1,947	1,691	2,575	1,619	3,676	2,939	5,012	3,938

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.