



**SANY**

Quality Changes the World

Operating Weight : 3780 kg    Bucket Capacity : 0.12 m<sup>3</sup>    Engine Power : 28 HP (20.4 kW)/ 2200 rpm

**SUPERIOR VERSATILITY  
EXCELLENT PERFORMANCE  
HIGH RELIABILITY**



**SY35U**

**HYDRAULIC EXCAVATOR**

## SPECIFICATIONS

# SY35U

### ENGINE

Model	Yanmar 3TNV88-BSSY
Type	3 Cylinder, Inline, Water Cooled Diesel
Rated Engine Power	28HP(20.4kW)/2200rpm
Max. Torque	106 N.m @1200 rpm
Battery	1×12 V
Displacement	1.642 L

### CONTROL SYSTEM

Control Hydraulic System	Load sensing system
Working Modes	S, B

### HYDRAULIC SYSTEM

Main Pumps	Variable displacement pump
Max. Flow	88 lpm
Pilot Pump	NA
Travel Motor	2 Axial piston motor with parking brake
Swing Motor	1 Axial piston motor

### RELIEF VALVE SETTINGS

Implement Circuit	24.5 MPa
Swing Circuit	20.6 MPa
Travel Circuit	24.5 MPa
Pilot Circuit	3.5 MPa

### UNDERCARRIAGE & WORKING DEVICE

Track Shoes (Each Side)	44
Upper Roller (Each Side)	1
Lower Roller (Each Side)	4
Std. Track	300 mm
Std. Boom	2540 mm
Std. Arm	1400 mm
Std. Bucket	0.12 m <sup>3</sup>

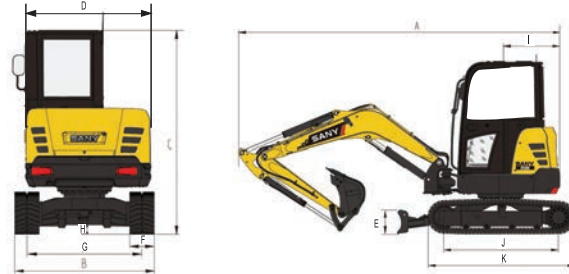
### PERFORMANCE

Max. Travel Speed(High/Low)	4.4/2.4 km/h
Swing Speed	9 rpm
Grade ability	30°(58%)
Ground Pressure	32 kPa
Max. Tracking Force	36.8 kN
Bucket Digging Force	30.4 kN
Arm Digging Force	18.2 kN

### SERVICE REFILL CAPACITIES

Hydraulic Tank	40 L
Fuel Tank	40 L
Engine Oil	6.7 L
Radiator	6.5 L
Swing Device	NA
Travel Device	2×0.7 L

### DIMENSION (Unit: mm)

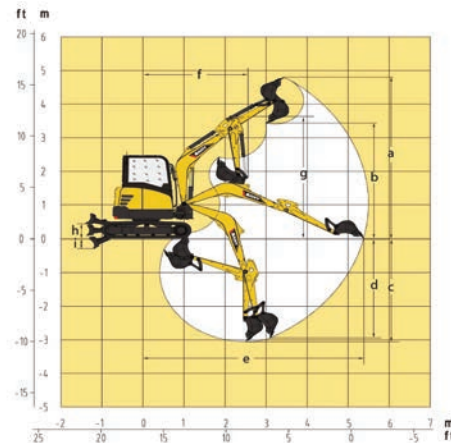


### DIMENSION (Unit: mm)

### Arm 1400

A. Overall Length	4910
B. Overall Width	1720
C. Overall Height	2515
D. Upper Width	1550
E. Blade Height	350
F. Std. Track Shoe Width	300
G. Track Gauge	1420
H. Min. Ground Clearance	295
I. Rear-end Swing Radius	860
J. Distance Between Tumblers	1670
K. Under Carriage Length	2155

### WORKING RANGE (Unit: mm)



### WORKING RANGE

### Arm 1400

a. Max. Cutting Height	4855
b. Max. Dumping Height	3460
c. Max. Digging Depth	3105
d. Vertical Digging Depth	2700
e. Max. Digging Reach	5465
f. Min. Swing Radius	2475
g. Max. Height At Min. Swing Radius	3685
h. Max. Ground Clearance of Blade Up	375
i. Max. Depth of Blade Down	370

\*1 feet trenching bucket is also available (Optional).

## SANY HEAVY INDUSTRY INDIA PVT. LTD.

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Material & specification are subject to change without prior notice in accordance with our continuous technical innovations. Featured machines in photos may include additional equipment.