

# SANY

## HYDRAULIC EXCAVATOR **SY390H**(**STAGE V**)

Engine **CUMMINS L9 Stage V**  
Power **252 KW/1800 RPM**  
Operating Weight **40150 KG**  
Ground Pressure **70.0 K A**



- **RELIABLE FIRST-CLASS COMPONENTS**
- **LOWER FUEL CONSUMPTION**
- **SIMPLIFIED SERVICE**

# SPECIFICATIONS

ENGINE	
Model	Cummins L9 Stage V
Displacement (L)	9.8
Engine power at rated engine speed (kW/rpm)	252/1800
Max. Torque (N · m/rpm)	1526/140

SERVICE REFILL CAPACITIES (L)	
Fuel tank (L)	600
Engine coolant (L)	36
Engine oil (L)	21
Swing drive (L)	10.5
Final drive (each side) (L)	8.5
Hydraulic oil tank (L)	540

HYDRAULIC SYSTEM	
Type	Positive flow system
Number of selectable working modes	4
Main pump	
Type	Variable-capacity piston pump
Maximum flow (L/min)	2x360
Hydraulic motors	
Travel	2*axial piston motor with parking brake
Swing	1*axial piston motor with swing holding brake
Relief valve setting	
Implement circuits (MPa)	34.3
Travel circuit (MPa)	34.3
Swing circuit (MPa)	27.5
Heavy lift circuit (MPa)	34.3
Pilot circuit (MPa)	3.9
Hydraulic cylinders	
Boom cylinder diameter x stroke (mm)	150x105x1530
Arm cylinder diameter x stroke (mm)	170x120x1750
Bucket cylinder diameter x stroke (mm)	150x105x1285
Blade cylinder diameter x stroke (mm)	













OPERATING WEIGHT	
Operating weight with standard bucket, fully serviced, +75 kg operator (ISO)	
Operating weight (kg)	540
Ground Pressure (kPa)	40150

DRIVE	
Travel Speed (Low/High) (km/h)	3.1/5.2
Maximum Travel Force (kN)	245
Gradeability	320

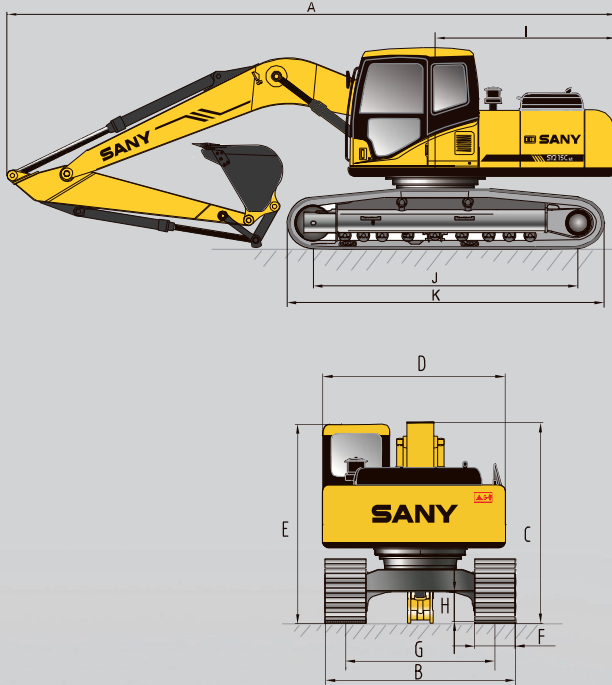
SWING	
Swing Speed (rpm)	9

DIGGING FORCE	
Bucket Digging Force (kN)	233
Arm Digging Force (kN)	184

# LIFTING CAPACITY

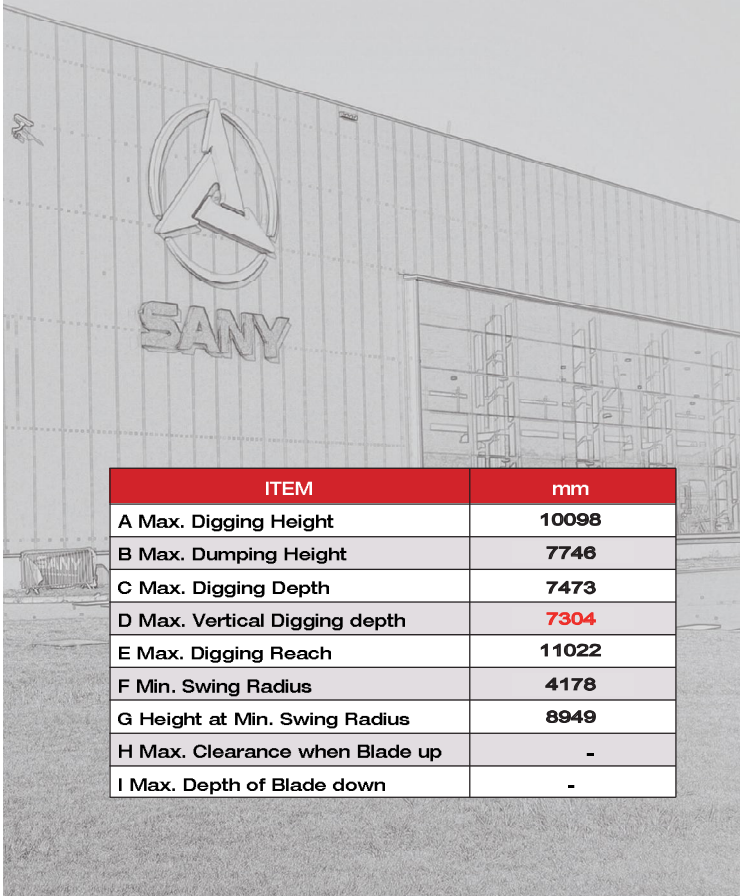
A \ B	1.5m		3.0m		4.5m		6.0m		7.5m		MAXIMUM		mm	
														
7.5m												3142.465	3142.465	6275
6.0m												3143.332	3143.332	7360
4.5m							*8777	*8777				3099.063	2783.404	8025
3.0m					*13301	10813	*10078	7211				3182.79	2540.632	8370
1.5m					*15494	10106	*11268	6853				3381.353	2450.684	8435
0					*16368	9767	*11989	6615				3717.271	2494.175	8230
-1.5m			*12939	*12939	*16113	9688	10261	6514				4110.75	2703.045	7730
-3.5m			*20377	*20377	*14864	9777	*11298	6547				4996.223	3295.599	6870
-4.5m			*16297	*16297	*12257	10032	*9079	6748				6959.281	4477.58	5485

# DIMENSIONS

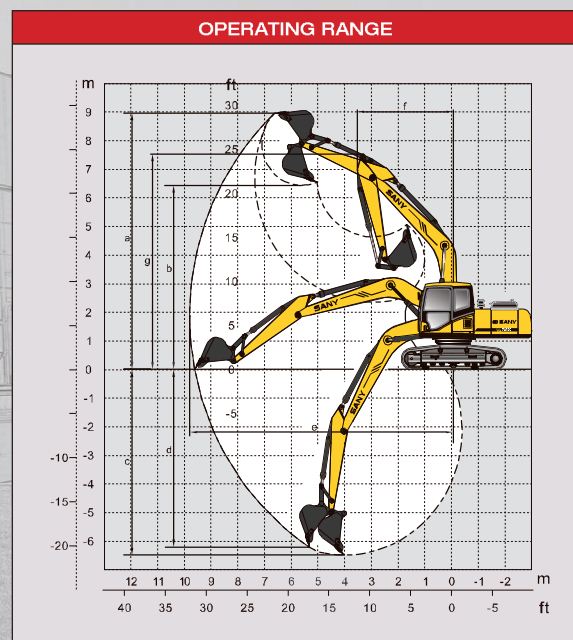


ITEM	mm
A Transport Length	11432
B Transport Width	3190
C Transport Height	3783
D Upperstructure Width	3107
E Blade Height	-
F Standard Track Shoe Width	600
G Track Gauge	2590
H Minimum Ground Clearance	524
I Tail Swing Radius	3552
J Center distance of tumbler	4140
K Overall length of crawler	5316
Boom Length	6500
Arm Length	3200

UNDERCARRIAGE	
Track shoe width (mm)	600
Number of track shoes (per side)	49
Carrier roller (per side)	2
Track roller (per side)	9



ITEM	mm
A Max. Digging Height	10098
B Max. Dumping Height	7746
C Max. Digging Depth	7473
D Max. Vertical Digging depth	7304
E Max. Digging Reach	11022
F Min. Swing Radius	4178
G Height at Min. Swing Radius	8949
H Max. Clearance when Blade up	-
I Max. Depth of Blade down	-



## Standard Equipment

### Operators Environment

- ROPS cabin mounted on silicone rubber
- Short joystick + Multi-functions equipped
- Air suspension heating seat
- Multi Language Display
- Air conditioning C/H
- Radio with USB
- 12v/24v outlets
- Cup holder
- Document compartment

### Safety

- Battery master switch
- Fire-Extinguisher
- Emergency Hammer
- Rear camera
- Travel Alarm and Beacon
- Overload warning for lifting
- Safety valves Boom
- Engine emergency cut off from ground
- User Manual language (EN)

### Working Equipment

- Boom : Standard 6500 mm
- Arm: Standard 3200 mm
- Hydraulic QC line controlled on joystick
- AUX Line- B&Shear/Joystick proportional control
- Rotation line proportional on Joystick
- Fuel filler pump

### Upper structure

- Battery Box
- Storage Box
- Anti-Skid plates

### Undercarriage

- Track shoes 600mm
- Carrier-roller per side : 2
- Track roller per side : 9

### Lights

- Roof light (LED) 2x
- Boom light (LED) 1x

## Optional Equipment

- Arm : 2.8m
- Bucket : 2.3m<sup>3</sup> for optional

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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