

HUAYEE

HY40

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Supplied in NSW by DPMS – Dawn Payne Machinery Sales
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Supplied by DPMS – Dawn Payne Machinery Sales, Newcastle NSW

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HY40

Comfortable & Safe Cab

Featuring a premium commercial-vehicle-grade NVH cabin, this solution optimizes noise reduction and vibration damping. It provides a safe and comfortable space, ensuring smooth and quiet operation that reduces operator fatigue while enhancing both safety and comfort.



Powerful Swing Function

Working equipment achieves left/right swing angles of 60° and 45° respectively, combined with upper structure rotation. Enables parallel wall excavation in tight spaces, adapting to extreme urban job conditions and expanding operational capabilities.



Efficient Power System

Equipped with a durable Yanmar engine built for long service life. Turbocharging and indirect injection technology optimize fuel atomization, improving combustion efficiency to deliver robust power for demanding work environments.



Universal Attachment Interface

Standardized attachment interface allows seamless integration with various tools—such as breakers, grapples, and pile drivers—to meet diverse construction needs in urban development, landscaping, and water conservancy projects.



PERFORMANCE PARAMETERS

Model	HY40U	
Weight (T)	3.75	
Bucket capacity (m³)	0.12	
Engine model	YAMMAR 3TNV88-BSSY	YAMMAR 3TNV88F-ESSY
Power (kw/r/min)	20.2/2200	18.2/2200
Emission Standard	Euro V EPA	
Fuel tank capacity (L)	41	
Travel speed (km/h)	4.5/2.7	
Swing speed (r/min)	9.5	
Climbing ability (%)	58	
Bucket digging force (KN)	30	
Arm length (mm)	1370	
Boom length (mm)	2487	
Ground pressure (KPa)	33.6	
Hydraulic oil tank capacity (L)	50	



OPTIONAL CONFIGURATION

Engine Model



YAMMAR 3TNV88-BSSY
Rated power (kw/r/min): 20.2/2200



YAMMAR 3TNV88F-ESSY
Rated power (kw/r/min): 18.2/2200

Main Pump



Online



Le-Hydrauli
(A brand of Rexroth)

Main Valve



Le-HydrauliX
(A brand of Rexroth)



Online

PRODUCT FEATURES



① LED Working Lights

A well protected LED lights provide brighter light for work safely and with accuracy in dark spaces.

② Spring Steel Cylinder Guards

All cylinders are equipped with steel guards to extend the service life of the hydraulic system.

Steel Track with Rubber Shoes



Steel Track



Rubber Track



Joystick Control

Ergonomically designed for intuitive operation of the excavator.



Foot Pedals

Coordinated with joysticks to enhance operational efficiency.



Suspension Seat

Helps operators achieve optimal posture and reduces shock and vibration.



Control Levers

Dedicated to undercarriage function operation.



Control Interface

All ergonomically designed controls and switches are positioned within single-handed reach.



Bulldozer Blade Joystick



Electric Handle (Optional)



Large Monitor

Easy-to-read display showing



PRODUCT FEATURES



Cab

Featuring a streamlined industrial design, greatly improving the machine's appearance and dependability.



Fully Open Engine Bay

Unobstructed access to core components for efficient maintenance.



Counterweight

Streamlined industrial design that significantly enhances both the aesthetics and reliability of the component.



Heat Dissipation Structure

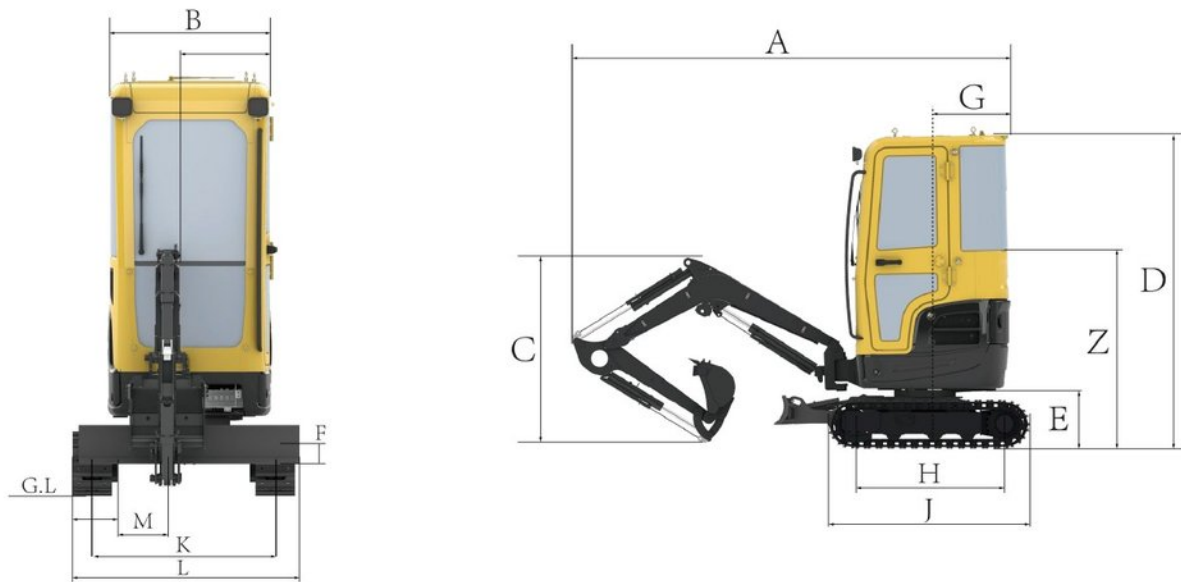
The optimized heat dissipation structure ensures stable performance under high load.

Universal Scraper (Optional)

Multi-directional adjustment for complex terrains; enhances efficiency and quality, aesthetics and reliability of the component.

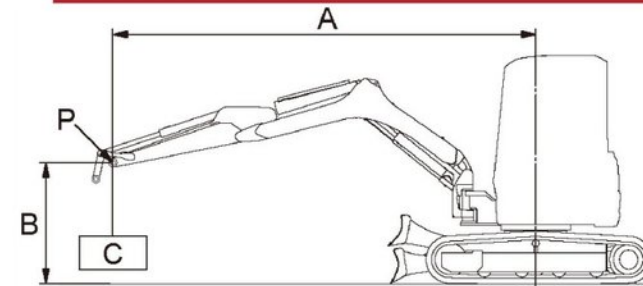


OVERALL DIMENSIONS



Model	HY40U
A-Overall length (mm)	4800
B-Overall width (mm)	1740
C-Overall height (boom top) (mm)	1715
	2560
E-Counterweight ground clearance (mm)	565
F-Minimum ground clearance (mm)	320
G-Tail swing radius (mm)	850
H-Track ground length (mm)	1660
	2120
K-Gauge (mm)	1440
	1740
M-Track plate width (mm)	300
N-Swing platform width (mm)	1700

LIFTING PARAMETERS



A: Loading Reach (as shown in the left diagram)

B: Loading Height (as shown in the left diagram)

C: Lifting Capacity (including weight of bucket and other lifting attachments)

Cf: Frontal Lifting Capacity (at the position shown in the left diagram)

Cs: Side Lifting Capacity (90° rotated position from the left diagram)

Max: Maximum Loading Distance

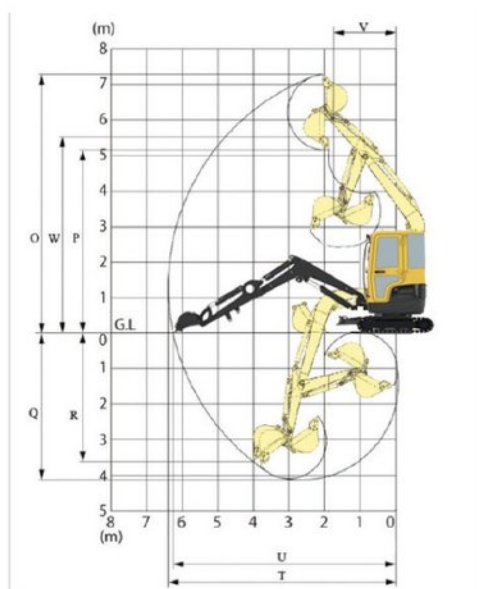
A \ B	Max		2.5m		3m		3.5m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
3m Kg	480	450			710	710	600	580
2m Kg	410	370	1110	1110	750	700	580	570
1m Kg	360	340	900	820	690	640	540	510
0m Kg	370	360	850	780	640	600	510	480
-1m Kg	420	400	840	760	630	600	490	460
-1.5m Kg	510	480	840	760	630	600	490	460
2m Kg	670	640	-					

1. Rated values are calculated in accordance with SAE J1097.

2. The values in the table represent the ultimate load capacity for hard ground. For different ground conditions, it is recommended to reduce the load by 10%.

3. The weight of accessories such as the bucket must be deducted during lifting.

OPERATING RANGE



Model	HY40U
O-Maximum digging height (mm)	4665
P-Maximum unloading height (mm)	3420
Q-Maximum digging depth (mm)	3135
R-Maximum vertical wall digging depth (mm)	2295
T-Maximum digging reach	5230
U-Maximum digging reach at ground level (mm)	5100
V-Minimum swing radius (mm)	2195
W-Maximum height at minimum swing radius (mm)	3735
X-Distance from swing center to rear end (mm)	850
Z-Counterweight height (mm)	985
A1-Ground length (transportation) (mm)	3220

Note: Due to continuous technological improvements, parameters may vary without prior notice. Please refer to the actual sample machine for accurate specifications.

EXCAVATOR ATTACHMENTS

Hydraulic Wood Grabber



		开口尺寸mm Opening Size		三爪宽度mm Three-Tine Width			
MHG35A	3.5	140	320	460	600	1000	155

Mechanical Wood Grabber



Arm-bound type		Through-arm		
MMG35	3.5	140	1000	80

Iron Rake



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MIR35A	3.5	500*500*16	62		

Soil Loosening Hook



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MSH35A	3.5	650*230*16			

Thumb Clamp (Mechanical/Hydraulic)



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MTC35A	3.5	895*14	40		

Quick Connector (Mechanical/Hydraulic)



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MQC35A	3.5	214.7	140		40

Breaking Hamme



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MBH53	3.5	8.5	20-50	90-120	600-110

Auger Drill



Model	3.5	Opening Size (mm)	Through-Arm Width (mm)	Through-Arm Length (mm)	Through-Arm Height (mm)
MAD35	3.5	1200	300		77