STANDARD EQUIPMENT

ISO Standard cabin
- All-weather steel cab with 360° visibility
- 30° tilting cab
- Safety glass windows
- Rise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window(LH)
- Lockable door
- Hot & cool box
- Storage compartment & Ashtray
- Cabin roof-steel cover

Counterweight
- 11,700kg + 2,550kg (Add)

Cabin FOPS/FOG (ISO/DIS 10262 level II)
- FOPS (Falling Object Protective Structure)
- FOG (Falling Object Guard)

Radio & USB player
- 12 volt power outlet (24V DC to 12V DC converter)
- Handsfree mobile phone system with USB
- Sun visor

Computer aided power optimization (New CAPO) system
- 3-power mode, 2-work mode, User mode
- Auto deceleration & one-touch deceleration system
- Auto warm-up system
- Auto overheat prevention system

Automatic climate control
- Full automatic temperature controller
- Defroster

Self-diagnostics system

Starting Aid (air grid heater) for cold weather

Centralized monitoring
- LCD display
- Engine speed or Trip meter/Accel.
- Clock
- Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
- Warnings
- Check engine
- Overload
- Communication error
- Low battery
- Air cleaner clogging
- Indicators
- Max power
- Low speed/High speed
- Fuel warmer
- Auto idle

Three outside rearview mirrors

Fully adjustable suspension seat with seat belt

Pilot-operated slidable joystick

Console box height adjust system

Four front working lights, one rear light

Electric horn

Batteries (2 x 12V x 200 AH)

Battery master switch

Removable clean-out dust net for cooler

Automatic swing brake

Automatic fuel line deaeration

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Track shoes (600mm, 24")

Track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover (Normal)

Viscous fan clutch

Travel alarm

OPTIONAL EQUIPMENT

Fuel filler pump (50 L/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Cabin lights

Track shoes
- Triple grousers shoe (700mm, 28")
- Triple grousers shoe (750mm, 30")
- Triple grousers shoe (800mm, 32")
- Double grousers shoe (600mm, 24")
- Double grousers shoe (700mm, 28")
- Full track rail guard

Lower frame under cover (Additional)

Tool kit

Rearview camera

Seat
- Mechanical suspension seat
- Air-suspension seat with heater
- Air-suspension seat

Hi-mate (Remote Management System)

Automatic lubrication

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

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We build a better future

Robex
520LC-9
Demolition

*Photo may include optional equipment.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

Robex 520LC-9

Demolition

- The hydraulic tilting cab provides the comfort of operating from a tilted position ensuring an improved vision and safety.
- Larger working range and exceptional stability offer high productivity in a challenging environment.

*Photo may include optional equipment.

Specifications

ENGINE

MODEL			CUMMINS QSM11
Type			Water-cooled, 4-cycle Diesel, 6-Cylinder in-line, Direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horsepower	SAE	J1995 (gross)	357HP (266kW)/ 1,900rpm
		J1349 (net)	342HP (255kW)/ 1,900rpm
	DIN	6271/1 (gross)	362PS (266kW)/ 1,900rpm
		6271/1 (net)	347PS (255kW)/ 1,900rpm
Max. torque			170.8kgf·m (1,235lbf·ft)/ 1,400rpm
Bore X stroke			125mm X 147mm (4.92" X 5.79")
Piston displacement			10,800cc (659 in^3)
Batteries			2 X 12V X 200AH
Starting motor			24V, 7.2kW
Alternator			24V, 70Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 X 360 L /min (97.7 US gpm / 81.4 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
HYDRAULIC MOTORS	
Travel	Two-speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
RELIEF VALVE SETTING	
Implement circuits	330 kgf/cm^2 (4,690 psi)
Travel	330 kgf/cm^2 (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm^2 (5,120 psi)
Swing circuit	285 kgf/cm^2 (4,050 psi)
Pilot circuit	40 kgf/cm^2 (570 psi)
Service valve	Installed
HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-170 X1,570 mm
	Arm(Middle): 1-180 X 1,820 mm
	Arm(End): 1-150 X 1,300 mm
	Cabin tilting: 1-100 X 197 mm
	Crusher tilting: 1-135 X 1,185 mm

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf (82,000 lbf)
Max. travel speed (high / low)	5.0 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever and two pedals Pedal1: Mid arm, Pedal2: Tilt (LH): Swing and end arm, (RH): Boom and crusher (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm

COOLANT & LUBRICANT CAPACITY

Re-filling	liter	US gal	UK gal
Fuel tank	621.0	164.0	136.6
Engine coolant	45.0	11.9	9.9
Engine oil	37.9	10.0	8.3
Swing device - gear oil	5.0	1.3	1.1
Final drive (each) - gear oil	5.0	1.3	1.1
Hydraulic system (including tank)	480.0	100.4	83.6
Hydraulic tank	262.0	69.2	57.6

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier rollers on each side	3
No. of track rollers on each side	9
No. of rail guards on each side	2

OPERATING WEIGHT (APPROXIMATE)

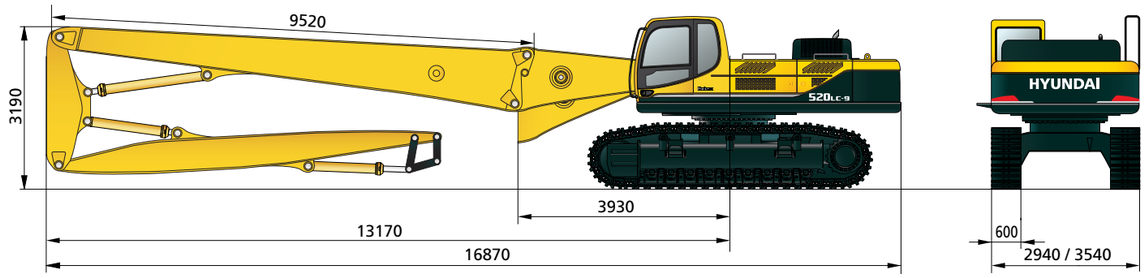
Operating weight, including 13,670mm boom(Ext + Base), 2,720mm Mid arm, 8,000mm End arm, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg	kgf/cm^2 (psi)
Triple grouser	600 mm (24")	58,700	1.01 (14.36)
	700 mm (28")	59,240	0.88 (12.51)
	750 mm (30")	59,510	0.82 (11.66)
	800 mm (32")	59,780	0.77 (10.95)
Double grouser	600 mm (24")	58,700	1.01 (14.36)
	700 mm (28")	59,240	0.88 (12.51)

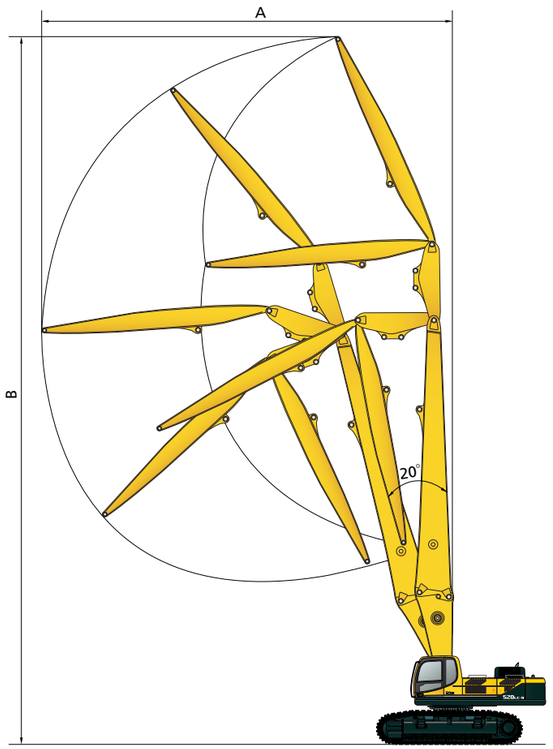
Dimensions & Working Range

DIMENSIONS

(Unit : mm)



WORKING RANGE



(Unit : mm)

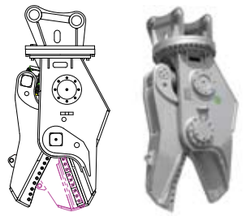
Boom Length	13,750
Mid Arm Length	2,720
End Arm Length	8,000
A. Max. Working Reach	14,730
B. Max. Working Height	26,150

Max. Attachment Weight	2,800 kg

Attachment Selection

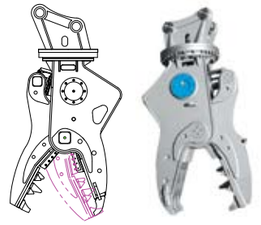
SHEAR

* Link Type mounting bracket.
* 360-degrees directional work ablilty.
* Steel structires like H-beams or I-beams can be cutted in a single cut.
* Easier Cutter replacement.
* Scientific cutting structure and excellent durability.
* The Speed-up valve can accelerate work speed.(option)



CRUSHER(FIXED & ROTATING)

* Link Type mounting bracket
* Enhanced durability with wear-resistant teeth material.
* Diversified teeth enable fine crushing, which enhances work efficiency.
* Lower noise, less vibration design enables works in almost any environments.
* Economical demolition by crushing the concrete and cutting the reinforced steel bars in it for separation purpose.
* 360-degrees directional work ability.
* Available for separating and cutting steel bars as well as breaking columns.
* Enabled demolition in narrow building spaces ot noise regulated environments with innovative performance.
* The Speed-up valve can accelerate work speed.(option)

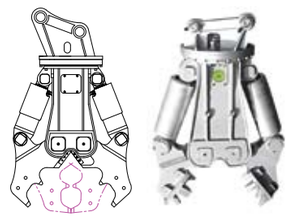


SPECIFICATION

Description		Unit	Shear (HDS250)	Crusher (HDC210)	Crusher (HDC230R)
Operating Weight		kg / lb	2,200 / 4,850	1,926 / 4,246	2,250 / 4,960
Max. Opening Width		mm / in	668 / 26.3	784 / 30.9	780 / 30.7
Overall Length		mm / in	2,353 / 92.6	2,222 / 87.5	2,500 / 98.4
Cutter Length		mm / in	200*3 / 7.9*3	180 / 7.1	230 / 9.1
Crushing Force(Middle)		ton	-	115	115
Average Cutting Force(Cutter Middle)		ton	180	180	200
Operating Pressure		kg / psi	320 / 4,552	320 / 4,552	320 / 4,552
Oil Flow Rate		LPM / GPM	200~250 / 52.8~66.1	200~250 / 52.8~66.1	200~250 / 52.8~66.1
Speed up Valve		-	Option	Option	Option
Rotating Hydraulic Motor	Motor Setting Pressure	kg / psi	160 / 2,276	-	160 / 2,276
	Motor Oil Flow Rate	LPM / GPM	36~40 / 9.5~10.5	-	36~40 / 9.5~10.5
	Revolving Speed	RPM	16~18	-	16~18

MULTI PROCESSOR

* Link Type mounting bracket
* Stronger breaking power maximizes work effciency.
* Both crushing concrete and cutting reinforced steel is available by switching Arms.
* Improved workability and mobility by adopting hydraulic rotating motor.
* Durability guaranteed by improved design.
* Reliability enhanced by Quality Assurance System.
* The Speed-up valve can accelerate work speed.(option)



SPECIFICATION

Description		Unit	Multi Processor (HDP230_CMS)	Multi Processor (HDP230_SM)
Operating Weight		kg / lb	1,730 / 3,814	1,810 / 3,990
Max. Opening Width		mm / in	900 / 35.4	500 / 19.7
Overall Length		mm / in	2,044 / 80.5	2,247 / 88.5
Cutter Length		mm / in	180 / 7.1	150x3 / 5.9x3
Crushing Force(Middle)		ton	82	-
Average Cutting Force(Cutter Middle)		ton	338	120
Operating Pressure		kg / psi	320 / 4,552	320 / 4,552
Oil Flow Rate		LPM / GPM	200~250 / 52.8~66.1	200~250 / 52.8~66.1
Speed up Valve		-	Option	Option
Rotating Hydraulic Motor	Motor Setting Pressure	kg / psi	160 / 2,276	160 / 2,276
	Motor Oil Flow Rate	LPM / GPM	36~40 / 9.5~10.5	36~40 / 9.5~10.5
	Revolving Speed	RPM	16~18	16~18