

**HD HYUNDAI  
INFRACORE CHILE S.A.**

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DEVELON-CE.CL

Equipos para Construcción

RETROEXCAVADORA HDI

**DB100**

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DIPBE-00-2112

Photos may include optional equipment

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# ¡SIENTE ORGULLO AL TRABAJAR CON ELLA!

Doosan trabaja para construir equipos de movimiento de tierra de última generación, para entregar a cada operador el máximo rendimiento, mayor precisión, máquinas versátiles y calidad comprobada. ¡Lleva tu negocio al siguiente nivel y siente orgullo de trabajar con máquinas Doosan!

## POTENTE Y CONFIABLE MOTOR

- Motor Perkins con EPA, TIER II y E.U. regulación de emisiones de etapa II

## EXCELENTE VISIBILIDAD

- Amplio parabrisas de una sola pieza
- Diseño sencillo ofreciendo excelente visibilidad.

## UNA MÁQUINA ÚTIL

- Fácil acceso desde el suelo para que las mantenciones sean más fáciles
- Puntos de engrase accesibles desde el suelo para mayor seguridad y rapidez en la mantención
- La barra de seguridad integrada y el sistema de bloqueo garantizan la seguridad del operador

## EXCELENTE RENDIMIENTO

- Controles piloto que brindan al operador mayor precisión y control (Opcional)
- Brazo extensible que aumenta la versatilidad del equipo (Opcional)
- El diseño exclusivo de la pluma, proporciona excelente visibilidad, incidiendo en el rendimiento de la máquina al trabajar.

## OPERACIÓN CONFORTABLE

- Cabina de seis pilares con diseño certificado ROPS/FOPS para una operación segura.
- Dirección ajustable e inclinable.
- Ventanas laterales tipo visagra para una excelente ventilación.
- Mandos ergonómicos para un uso rápido y fácil.
- Asiento con suspensión y ajuste.

## UNA MÁQUINA POTENTE Y RENDIDORA

- Sistema de tracción en las cuatro ruedas está diseñado para activarse sobre la marcha, mejorando el rendimiento del equipo en terrenos difíciles (Opcional)
- Estructura de calidad diseñada para mayor durabilidad y mayor capacidad de elevación
- La función automática de retorno a la excavación, reduce los tiempos del ciclo de carga

## MECANISMO HIDRÁULICO MEJORADO

- El sistema de control de flujo ajustable (AFCS) optimiza la potencia de desplazamiento del equipo al desplazarse por carretera.
- El sistema de seguridad estabilizador protege tanto en subidas como bajadas





# ESPECIFICACIONES TÉCNICAS

## MOTOR

<b>Model</b>	Perkins / 1104C-44T
<b>Horsepower</b>	GROSS POWER : 100 HP (74.5 kW) @ 2,200 rpm NET POWER : 95 HP (71 kW) @ 2,200 rpm
<b>Type</b>	4-stroke, water cooled turbocharged.
<b>Non-road emission standards</b>	Certified to EPA Tier II / EU stage II
<b>Max torque</b>	42 kg-m @ 1,350 rpm
<b>Piston displacement</b>	4.4 l
<b>Fuel</b>	Diesel

## SISTEMA HIDRÁULICO

<b>System type</b>	Open center
<b>Pump type</b>	Tandem gear pump
<b>Pump flow</b>	138.4 L/min (Steering + Attachment)
<b>System Pressure</b>	250 kg/cm <sup>2</sup>
<b>Loader valve</b>	- Mechanical control (Standard) : 1 Lever - Pilot control (Option) : 1 Joystick, Boom float, Bucket return to dig
<b>Backhoe valve</b>	- Mechanical control (Standard) : 2 Levers - Pilot control (Optional) : 2 Joysticks Pilot control (Excavator ISO control pattern is standard) Optional pattern change valve for excavator (ISO) control pattern ↔ Backhoe (SAE) control pattern
<b>Stabilizer Control</b>	- Mechanical Control (Standard) : 2 Levers - Pilot Control (Option) : 2 small levers - Stabilizer Safety lock valve (Standard)

## ELÉCTRICO

<b>Voltage</b>	12 volts
<b>Alternator</b>	100 amp
<b>Battery</b>	850 CCA (Standard) = 1 EA

## PESOS OPERATIVOS

<b>Standard configuration</b>	7,440 kg 2 WD, GP bucket (0.8 m <sup>3</sup> ), counter weight (350 kg), ROPS/FOPS canopy, mono dipper
<b>Optional configuration</b>	8,230 kg 4 WD, MP bucket (1.0 m <sup>3</sup> ), counter weight (150 kg), ROPS/FOPS cabin, ext. dipper
<b>Add-on weight</b>	Counter weight 550 kg Drive shaft & T/M under guard 55 kg Fork 170 kg

## NEUMÁTICOS

<b>Front</b>	STD : 11L-16 SL,12 PR (2 WD) OPT : 12.5 / 80-18,12 PR (4 WD)
<b>Rear</b>	STD : 19.5-24,12PR OPT : 16.9-28,12PR

## CAPACIDADES CARGA EQUIPO

<b>Fuel tank</b>	127 l
<b>Engine coolant water</b>	19 l
<b>Engine oil with filter</b>	8 l
<b>Hyd. tank with filter</b>	50 l
<b>Hyd. system total</b>	93 l
<b>Transmission and torque converter</b>	18 l
<b>Front axle (4 WD)</b>	8 l
<b>Rear axle</b>	16 l

## ADITAMENTOS

<b>Buckets</b>	0.2 m <sup>3</sup> (STD) 0.17 m <sup>3</sup> 0.26 m <sup>3</sup>
<b>Boom</b>	2.63 m (STD) 2.81 m
<b>Arm</b>	2.0 m (STD) 2.0 m ~ 3.12 m

## BALDES

Capacity	Remark	Capacity	Remark
0.8 m <sup>3</sup>	GP BOCE (STD)	0.9 m <sup>3</sup>	GP TOOTH
1.0 m <sup>3</sup>	GP BOCE	1.0 m <sup>3</sup>	MP
0.7 m <sup>3</sup>	GP TOOTH	1.0 m <sup>3</sup>	MP WITH FORK

\* GP : General Purpose, MP : Multi Purpose

\* BOCE : Bolt on Cutting Edge

## CONTRAPESO

<b>Description</b>	Weight
<b>None, Guard Front</b>	10 kg
<b>Casting, Additional</b>	150 kg
<b>Casting (STD)</b>	350 kg
<b>Casting Additional for Telescopic Arm</b>	550 kg

## TREN DE POTENCIA

<b>Transmission</b>	4-speed helical-cut gears, full powershift standard; electric clutch cutoff on loader lever
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Maximum travel speed with standard tire

DB100	Gear 1	Gear 2	Gear 3	Gear 4
Forward(km/hr)	5.2	9.6	19.4	34.0
Reverse (km/hr) (Optional)	6.6	12.0	(19.0)	N/A

<b>Torque converter</b>	Single stage, dual phase
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<b>Differential</b>	Hydraulic locking rear Push-button activation
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<b>Steering (Optional)</b>	Hydrostatic power (emergency steering)
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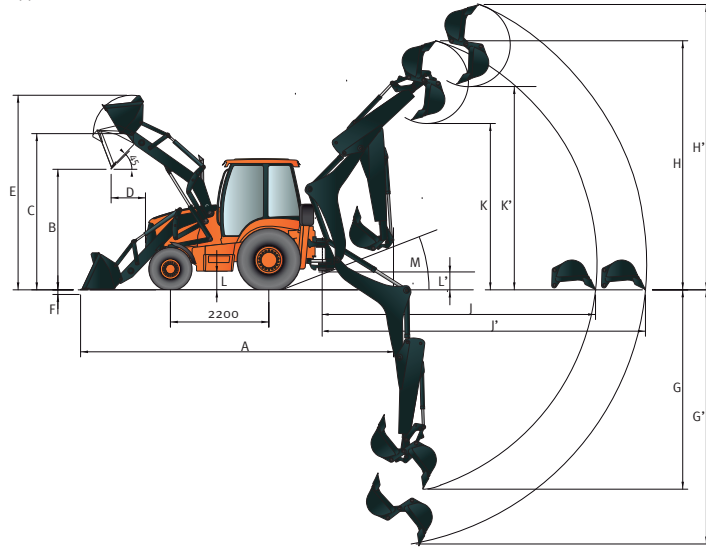
<b>Brake</b>	
<b>Service</b>	- Power assisted, hydraulic wet disc, mounted inboard, self-adjusting and self-equalizing

<b>Parking</b>	- Spring-applied, hydraulically releases, wet, multi disc independent of service brakes with electric switch control
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# DIMENSIONES Y RANGO DE TRABAJO

## DIMENSIONS

All dimensions are approximate.



## DESCRIPCIÓN

Letter	Description	Value (mm)	Value (ft-in)
A	Overall length	7,080	(23' 3")
B	Dump clearance	2,710	(8' 11")
C	Hinge pin height	3,450	(11' 4")
D	Dump reach	805	(2' 8")
E	Max loading height	4,230	(13' 11")
F	Depth of bucket down	96	(0' 4")
G	Max digging depth (STD)	4,345	(14' 3")
G'	Max digging depth (EXT)	5,460	(17' 11")

## BALDES

	GP Bucket	MP Bucket
Transport length	7,080 (23' 3")	7,210 (23' 8")
Transport height	3,680 (12' 1")	3,680 (12' 5")
Transport width	2,250 (7' 5")	2,300 (7' 7")

## DESCRIPCIÓN

Unit : mm (ft-in)

Letter	Description	Value (mm)	Value (ft-in)
H	Max digging height (STD)	5,500	(18' 1")
H'	Max digging height (EXT)	6,150	(20' 2")
J	Max digging reach (STD)	5,830	(19' 2")
J'	Max digging reach (EXT)	6,860	(22' 6")
K	Max dumping height (STD)	3,585	(11' 9")
K'	Max dumping height (EXT)	4,230	(13' 11")
L	Minimum ground clearance	355	(1' 2")
L'	Height of outrigger	355	(1' 2")
M	Departure angle	19°	

# STANDARD/OPCIONAL

## MOTOR

	STD	OPT
Perkins 1104C-44T	●	

## SISTEMA HIDRÁULICO

	STD	OPT
Backhoe controls, 2-lever mechanical	●	
Loader controls, 1-lever mechanical	●	
Stabilizer controls, 2-lever mechanical	●	
Fan, suction	●	
Hydraulic hose face seals, o-ring	●	
Hydraulic oil cooler, T/M cooler	●	
Hydraulic valves, loader 3rd Function		●
Hydraulic valves, backhoe 7th Function		●
Hydraulic lines		●
One-way, backhoe breaker line		●
Pilot control (Backhoe, Loader, Stabilizers all together)		●

## CAB & INTERIOR

	STD	OPT
Air cleaner	●	
Alarm, back-up	●	
Radio		●
Coolant/Antifreeze	●	
Floor mat	●	
Gauges : coolant temperature, fuel level, tachometer, hour meter	●	
Indicators: Engine oil pressure, T/M oil temp, diff. lock, coolant temp, fuel level, battery charge, air cleaner, high beam, parking	●	
Instrument panel lights	●	
Seat belt, retractable (51 mm / 2 in)	●	
Seat, suspension with armrest	●	
Storage compartment, internal	●	
Throttles, hand and foot	●	
Transmission neutralizer button switch	●	
Air conditioner & Heater		●
Air conditioner only		●
Fuel warmer		●
Speed meter		●
Climate control system		●
Cabin ROPS / FOPS		●
Canopy ROPS / FOPS	●	
Canopy ROPS / FOPS with front shield		●

## SEGURIDAD

	STD	OPT
Differential lock	●	
Brakes, oil disc, dual pedals, interlocking	●	
Flashing hazard/signal lights	●	
Working lights (2 front, 2 rear)	●	
Machine security system	●	
Mirror, rear view	●	
Parking brake	●	
Stop and tail lights	●	
Swing transport lock	●	
Warning horn, electric	●	
Grill guard bumper		●
Front drive shaft guards		●
Work lights(4 front, 4 rear)		●
Rotating beacon		●
Power boosted brake		●
Pilot control safety system		●
Clam safety system		●

## ADITAMENTOS

	STD	OPT
Stabilizers (Pad for street)		●
<b>Backhoe</b>		
Buckets		
0.2 m <sup>3</sup> (0.26 yd <sup>3</sup> )	●	
0.17 m <sup>3</sup> (0.22 yd <sup>3</sup> )		●
0.26 m <sup>3</sup> (0.34 yd <sup>3</sup> )		●
Booms		
2.63 m for Heavy duty	●	
2.63 m		●
2.81 m		●
Dipper		
2.00 m ~3.12 m (Telescopic)		●
2.00 m	●	
<b>Front loader</b>		
General purpose buckets		
0.8 m <sup>3</sup> (1.04 yd <sup>3</sup> ) - Bolt-on cutting edge	●	
0.7 m <sup>3</sup> (0.92 yd <sup>3</sup> ) - Bolt-on teeth		●
0.9 m <sup>3</sup> (1.18 yd <sup>3</sup> ) - Bolt-on teeth		●
1.0 m <sup>3</sup> (1.31 yd <sup>3</sup> ) - Bolt-on cutting edge		●
Multi purpose buckets		
1.0 m <sup>3</sup> (1.3 yd <sup>3</sup> )		●
1.0 m <sup>3</sup> (1.3 yd <sup>3</sup> ) w/ forks		●

## OTROS

	STD	OPT
Battery, maintenance-free, 850 CCA x 1	●	
Battery, maintenance-free, 630 CCA x 2		●
Battery disconnect switch	●	
Filters, spin-on	●	
Fuel prefilter with water separator	●	
Glow plug (cold starting aid)	●	
Ground level fuel fill	●	
Power receptacle, 12V	●	
Power steering, hydrostatic	●	
Emergency steering		●
Toolbox, external, lockable	●	
Torque converter	●	
Transmission :		
Power shift, 4 forward, 2 reverse, 2 wheel drive	●	
Transmission :		
Power shift, 4 forward, 3 reverse, 4 wheel drive		●
Boom transport lock - Backhoe (Cylinder)	●	
Boom locking bar - Loader	●	
Mechanical quick coupler		●
Swing damper		●
Counter weights		
Guard front, 10 kg (22 lb)	●	
Castings, 150 kg (331 lb)		●
Castings, 350 kg (772 lb)		●
Castings additional for telescopic arm, 550 kg (1,213 lb)		●
Return-to-dig, loader		●
Ride control, loader		●
Control pattern selector		●

## TREN INFERIOR

	STD	OPT
Fenders, rear	●	
Tilt steering wheel	●	
Tire(Front) : 11L-16SL, 12PR(2WD, ATG)	●	
Tire(Rear) : 19.5-24, 12PR(ATG)	●	
Fenders, 4WD, front		●
Tire(Front) : 12.5/80-18,12PR(4WD, ATG)		●
Tire(Rear) : 16.9-28,12PR(ATG)		●

\* Standard and optional equipment may vary. Contact your Doosan 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.