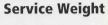
H285S KOMATSU





738,500 lb 335 t

Shovel Capacity SAE/CECE

25.0 yd3 19.0 m³

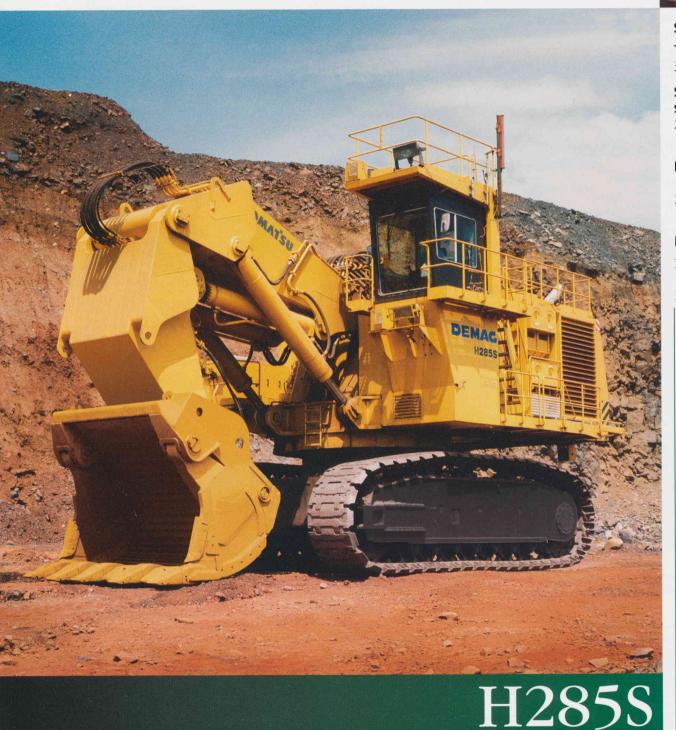
Backhoe Capacity

SAE CECE 23.0 yd3 20.0 yd3 17.3 m³ 15.5 m³

Engine Output

Diesel 1580 hp 1180 kW Electric 1190 kW

SPECIFICATIONS





Diesel Drive

Make and model	Cummins K2000E
Туре	4 cycle, water-cooled, direct-injection
Aspiration	Turbocharged and aftercooled
No. of cylinders	16
Bore	6.25" 159 mm
Stroke	6.25" 159 mm
Displacement	3,057 in ³ 50.0 L
Rated brake power*	1,675 hp 1250 kW @ 1800 rpm
Flywheel horsepower**.	1,580 hp 1180 kW @ 1800 rpm
Governor	All-speed, mechanical

*Rated brake power is the output of the engine as installed in this machine, at governed rpm and with engine manufacturer's approved fuel setting. Accessory losses included are water pump, fuel pump and oil pump. **Flywheel power is the rated power at the engine flywheel minus the average accessory losses. Accessories include fan and charging alternator. Rating(s) represent gross engine performance in accordance with SAE J1349 conditions.



Electric Drive

Туре	Squirrel-cage induction motor
Power output	1190 kW
Voltage	6600 V
	130 A
Frequencies available	50 Hz @ 1500 rpm
(optional)	60 Hz @ 1800 rpm



Electrical System

System	24 V
Batteries (parallel/series)	4 x 12 V
Alternator	24 V, 100 A
Lighting	3 X 200 W



Cooling System

Large components provide superior engine cooling capacity. The hydraulic system includes a large vertical air-to-oil cooler with hydraulically driven fan. Hydraulic cooler is hinged and swings out for easy cleaning and maintenance.



The ETM System

The ETM diagnostic system with text display, mounted in the operator's console, continuously monitors major data of engine, gearbox and hydraulic system. Fault messages are electronically stored and can be called up.



Hydropilot°

The Komatsu Demag Hydropilot® 3-circuit hydraulic system features a load limiting governor with oil summation delivery to the working circuits and integral pressure cutoff.



Hydraulic System

The powertrain consists of a main drive, gearbox, and four identical pumps which deliver hydraulic oil from the unpressurized hydraulic tank. Open-circuit hydraulics provide maximum cooling and filtering efficiency.

Flow rate (total 4 pumps)	952 gpm 3600 liters/min
Pressure	4,495 psi 310 bar
Swing gear rate	
Hydraulic pumpsFour	Rexroth variable-displacement
	axial piston-type



Swing System

Hydraulic motor	2
Swing circle lubrication	
Swing brakeHydraul	ic w/ wet disc locking brake
Ring teeth	External
Swing speed	



Undercarriage

Center frame	H-type
Track frame	Box-section
Track adjusterAutomatic hyd	lraulic, with accumulator
No. of track shoes (per side)	47
No. of carrier rollers (per side)	3
No. of track rollers (per side)	7



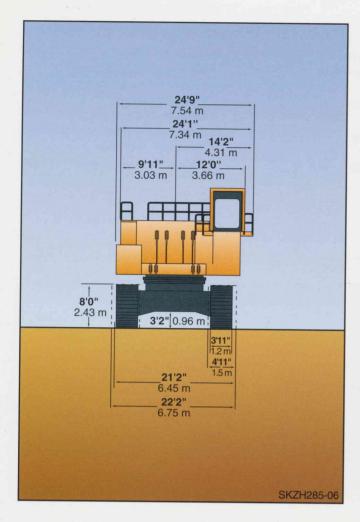
Drives & Brakes

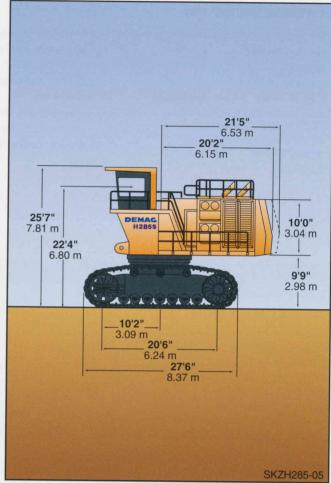
Steering control	Two foot pedals
Drive method	Fully hydrostatic
Travel motor	Piston-type
Travel speed (max.)	1.3 mph 2.0 km/h
Gradeability	60%
Service brake	Hydraulic lock
Parking brake	Wet, multiple-disc



Crawler Assembly

Track width	47"	1200 m	ım
Weight (ea. assembly)	113,50	00 lb 5	2 t
Ground pressure	28 psi	19 N/c	m ²
Track width (optional)	59"	1500 m	nm
Weight (ea. assembly)	115,70	00 lb 5	3 t
Ground pressure	23 psi	16 N/c	m ²







Boom/Stick

Rigid box-section boom and stick offer exceptional service life for heavy-duty mining conditions. Large radius castings reinforce high stress areas. Oversized hydraulic cylinders provide heavy-duty performance and feature automatic lubricated bearings. Structural steel buckets with optional wear packages incorporate either Bofors or ESCO lips, mechanical shrouds, and tooth systems designed for various digging conditions.



Fully adjustable weight-compensating seat with vibrationdampening and adjustable armrests. Foldaway auxiliary seat. Two levers control digging and swing functions. Foot pedals control all crawler motions, clam, and swing brake. External FOPS system, air conditioner, heater/defogger, sound suppression, radio, sun visor, windshield wiper/washer. Cab is rubber-mounted to reduce noise and vibration.



Superstructure

Heavy-duty castings provide superior durability in high stress areas. Designed for excellent accessibility to major components for maintenance.



Service Weight

Machine w/o attachments	565,900 lb	257 t
Bucket	66,000 lb	30 t
Boom	68,000 lb	31 t
Stick	38,600 lb	17 t
Total	738,500 lb	335 t

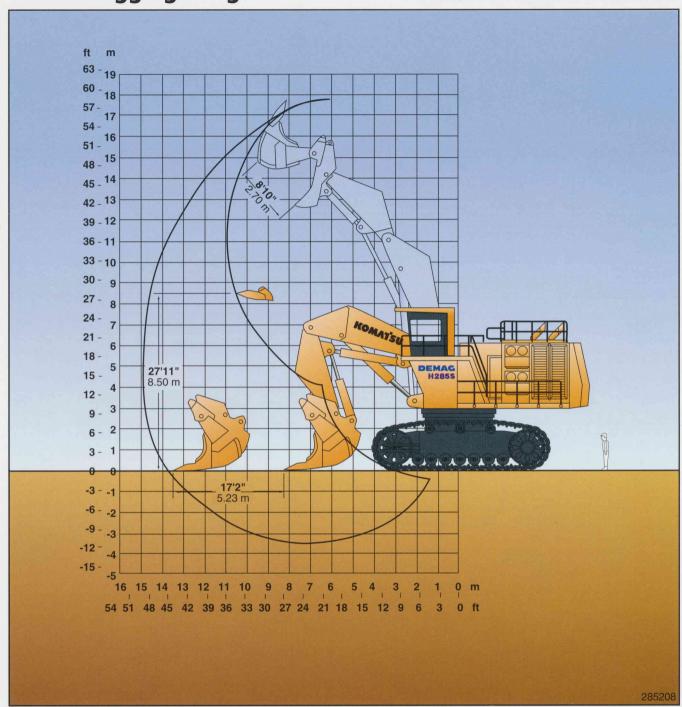


Service Capacities

Fuel*	1 4570 L
Hydraulic oil tank782 U.S. ga	1 2960 L
Hydraulic system1,046 U.S. ga	1 3960 L
Engine cooling	1 385 L
Engine crankcase	1 208 L
Travel gear	l 155 L
Swing gear33 U.S. ga	1 125 L
Pump drive	1 150 L
*Adequate for three shifts	

40 t

Shovel Digging Range





Forces

Break-out force	264,600 lb	1200 kN
Crowd force	264,600 lb	1200 kN



Attachments

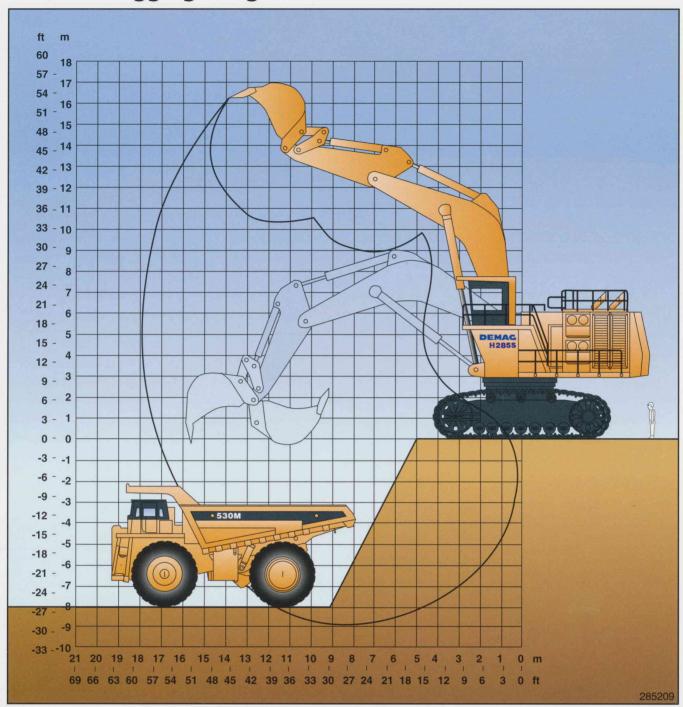
Boom20'8"	6300 mm
Stick14'1"	4300 mm



Bucket

Capacity (SAE/CECE) 2:1 slope	25.0 yd³ 19.0 m³
1:1 slope	30.0 yd³ 22.8 m³
Width	13'1" 4000 mm
Weight w/ wear package	66,000 lb 30 t
Number of teeth	5
Material density	3,050 lb/yd³ 1.8 t/m³

Backhoe Digging Range





Forces

Break-out force	220,500 lb	1000 kN
Tear-out force	209,470 lb	950 kN



Attachments

Boom30'10"	9400 mm
Stick14'9"	4500 mm



Bucket

Capacity (SAE) 1:1 slope	23.0 yd ³ 17.3 m ³
(CECE) 2:1 slope	20.0 yd³ 15.5 m³
Width	10'10 " 3300 mm
Weight w/ wear package	33,930 lb 15 t
Number of teeth	5
Material density	3,050 lb/yd³ 1.8 t/m³

H285S

Standard Equipment

- Air cleaner, double element
- Air conditioner
- · Alternator, 100 A
- Batteries, 4 X 12 V
- Cab, includes: deluxe suspension seat, foldaway auxiliary seat, FOPS, sound suppression, radio, sun visor, windshield wiper/washer
- Catwalks

- · Controls, wrist-type
- Electronic load governor
- ESCO teeth
- ETM monitoring system
- Guard, fan
- · Guard, swing ring
- Heater/defogger
- · Ladder, manual lift

- Lights, 3 X 200 W
- Lincoln Auto-lube System
- Lincoln Automatic Swing Gear Lubrication
- Overheat prevention
- Pump/engine room partition
- Shoes: 47" 1200 mm
- Wiggins Replenish System w/ arm

Optional Equipment/ Accessories

- · Additional lights, 200 W
- · Alternator, 225 A
- Aquadigger configuration: various boom/stick lengths various bucket capacities
- · Auto deceleration
- · Bofors teeth

- · Bucket, coal
- · Bucket, HD
- · Bucket wear packages
- ECS Monitoring System
- · Electric cable drum
- Fire suppression systems (Ansul)
- Kim Hot Start

- · Generator, auxiliary
- Shoes: 59" 1500 mm
- Special paint scheme
- Sun blinds (for cab side windows)
- Track support rails

ÉQUIPEMENT FÉDÉRAL QUEDLO LITER 205. EUR OLÉMAN CILBERT

CHICOUTIMI, QC G7H 5B1

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KOMATSU

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