



# Cat® 325F L

## Hydraulic Excavator Tunneling

### 2017

*Whether you are faced with a mountain of hard work or simply loading out pre-blasted material in hard-to-reach places, the 325F tunneling machine delivers maximum reliability and money-making possibility.*

#### Versatility

- Swing with confidence in tight spaces with the machine's compact radius profile.
- Choose your tunneling boom and stick length matching your application needs.

#### Performance

- C4.4 ACERT™ engine meets Japan 2014 (Tier 4 Final) emission standards.
- Work efficiently with up to 22 percent less fuel consumed than the Japan 2006 (Tier 3) equivalent engine it replaces.
- Actively manage your fuel with three power modes.
- Work longer with a maintenance-free diesel particulate filter.

#### Durability

- Count on long service life. We use multi-plate fabrications, castings, and forgings in high-stress areas of the upper and lower frames.
- Rely on your undercarriage in demanding conditions. We use high-tensile-strength steel to build the track shoes, links, rollers, idlers, and final drives.
- Depend on long life from Cat® booms and sticks. We use advanced robot welding techniques and ultrasound inspection to ensure quality and reliability.

#### Comfort

- Position yourself for maximum comfort with fully adjustable seats, armrests, and joysticks.
- Operate your machine efficiently and effectively thanks to critical machine information displayed on the large easy to navigate LCD monitor.

#### Maintenance

- Reach routine service points like filters and grease points quickly from ground level.
- Start your day with the pre-start monitoring system to ensure your machine is in top-performing condition.
- Avoid fuel contamination and speed up service with the electric fuel priming pump.

#### Cat Connect Technology

- Product Link™/VisionLink® connects owners to their equipment, providing access to machine location, hours, fuel consumption, idle time, events, and diagnostic codes.

#### Safety

- Reduce your risk with optional cab guards.
- Clearly see the job site through the large openings to the front and side. See what's behind you on the monitor with the standard rearview camera and what's overhead through the large skylight.
- Enter the cab and service the machine with confidence using the large steps and handrails as well as the anti-skid plates that enhance your footing in all types of weather conditions.



オフロード法2014年  
基準適合

# Cat® 325F L Hydraulic Excavator Tunneling

Engine	
Engine Model	Cat C4.4 ACERT
Power – ISO 9249	120 kW (161 hp)
Power – ISO 14396	122 kW (164 hp)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L

Hydraulic System	
Main System – Maximum Flow	429 L/min (214.4 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	25 500 kPa
Pilot System	
Maximum Flow	18 L/min
Maximum Pressure	4100 kPa

Drive	
Gradeability	30°/70%
Maximum Travel Speed	5.6 km/h
Maximum Drawbar Pull	203 kN

Machine Weights	
Minimum Operating Weight	26 300 kg
Maximum Operating Weight	26 600 kg

Swing	
Swing Speed	11.2 rpm
Swing Torque	62 kN-m

Service Refill Capacities	
Fuel Tank Capacity	328 L
Cooling System	30 L
Engine Oil	25 L
Swing Drive (each)	8 L
Final Drive (each)	8 L
Hydraulic System Oil Capacity (including tank)	280 L
Hydraulic Tank Oil	128 L
DEF Tank	19 L

Dimensions		
Boom Options	Tunnel Boom 5.2 m	Tunnel Boom 4.25 m
Stick Options	Tunnel Stick M2.4 m	Tunnel Stick M3.2 m
Bucket	0.8 m³	0.9 m³
Shipping Height	3330 mm	4520 mm
Height – Top of Cab	3060 mm	3060 mm
Height – Top of Boom	3330 mm	4520 mm
Shipping Length	8550 mm	6570 mm
Tail Swing Radius	1720 mm	1720 mm
Length to Center of Rollers	3650 mm	3650 mm
Track Length	4450 mm	4450 mm
Ground Clearance	440 mm	440 mm
Track Gauge	2380 mm	2380 mm
Transport Width – 600 mm Shoes	2980 mm	2980 mm
Handrail Height	3180 mm	3180 mm
Counterweight Clearance	960 mm	960 mm

Working Ranges		
Boom Options	Tunnel Boom 5.2 m	Tunnel Boom 4.25 m
Stick Options	Tunnel Stick M2.4 m	Tunnel Stick M3.2 m
Bucket	0.8 m³	0.9 m³
Maximum Digging Depth	5610 mm	4480 mm
Maximum Reach at Ground Line	8770 mm	8600 mm
Maximum Loading Height	5930 mm	7150 mm
Minimum Loading height	2480 mm	2090 mm
Maximum Depth Cut for 2440 mm Level Bottom	5410 mm	4320 mm
Maximum Vertical Wall Digging Depth	4680 mm	3730 mm
Maximum height, to bucket teeth at highest arc	8900 mm	10 110 mm

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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

AEXQ1940  
(Japan)

