



# Cat<sup>®</sup> 301.7D CR

## MINI HYDRAULIC EXCAVATOR

### FEATURES:

- Compact radius
- Powerful hydraulics
- 2-way auxiliary as standard
- Extending undercarriage
- Excellent service access
- Quick disconnects standard on auxiliary lines

## Specifications

### Engine

Engine Model	Yanmar 3TNV76	
Rated Net Power @ 2,200 rpm (ISO 9249)	13.2 kW	17.7 hp
Gross Power (ISO 14396)	17.9 kW	24.3 hp
Displacement	1116 cm <sup>3</sup>	40 in <sup>3</sup>

### Weight

Transport Weight with Canopy	1610 kg	3,550 lb
Operating Weight with Canopy	1690 kg	3,726 lb

- Weight includes standard stick, rubber tracks, bucket, operator and full fuel.

### Travel System

Travel Speed	2.8 km/h-	1.74 mph-
	5.6 km/h	3.48 mph
Gradeability	30°/58%	

### Service Refill Capacities

Fuel Tank Capacity	19 L	5.0 gal
Hydraulic Tank Capacity	20 L	5.3 gal

### Blade

Width	990 mm/	3 ft 3 in/
	1300 mm	4 ft 3 in
Height	230 mm	9 in
Dig Depth	390 mm	15 in
Lift Height	271 mm	11 in

### Hydraulic System

Pump Flow @ 2,200 rpm	23.8 + 23.8	6.29 + 6.29
	+ 19.0 +	+5.0 +
	6.4 L/min	1.7 gal/min
Operating Pressure – Equipment	200 bar	2,900 psi
Operating Pressure – Travel	200 bar	2,900 psi
Operating Pressure – Swing	150 bar	2,176 psi
Auxiliary Circuits		
Primary and Secondary Auxiliary Circuits		
Maximum Flow	35 L/min	9 gal/min
Maximum Pressure	240 bar	3,480 psi
Maximum Bucket Force	14.2 kN	3,190 lbf
Maximum Stick Force – Standard Stick	8.4 kN	1,890 lbf
Maximum Stick Force – Long Stick	7.3 kN	4,640 lbf

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## Lift Capacity at Ground Level – Undercarriage Extended

Lift Point Radius	2 m (6'7")				2.5 m (8'2")				3 m (9'10")				Maximum			
	Front		Side		Front		Side		Front		Side		Front		Side	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Standard Stick/Extended Undercarriage/Blade Down	*916	*2,020	376	830	*653	*1,440	271	598	*493	*1,087	208	456	*404	*890	179	395
Long Stick/Extended Undercarriage/Blade Down	*929	*2,048	373	822	*655	*1,444	269	593	*497	*1,096	206	454	*380	*838	165	364

Machine fitted with standard dozer blade and standard counterweight.

The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lift capacity or 75% of tipping capacity.

The excavator bucket weight is not included on this chart.

\*Loads are hydraulic limited.

## STANDARD EQUIPMENT

- Extending undercarriage
- Standard stick
- 230 mm rubber track
- Dozer blade
- Working light mounted to boom
- Canopy – ROPS and TOPS protection
- Retractable seat belt
- Suspension seat, vinyl covered
- Travel steering bars
- Maintenance free battery
- Hydraulic oil cooler
- Hammer/2 way lines

## OPTIONAL EQUIPMENT

- Suspension seat, fabric covered
- Boom stick or dozer blade check valve
- Mirror pack
- Top cab guard to ISO 10262 (Level 1)
- Long stick
- Front and rear lights
- 2nd auxiliary lines with flow adjust
- Operator rear weather cover



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