

27D COMPACT EXCAVATOR

Specs

MANUFACTURER	John Deere
MODEL	27D COMPACT EXCAVATOR
DATE OF SPECIFICATION	Feb-09
ENGINE	
Manufacturer/Model	Yanmar / 3TNV88
Net Power hp (kW) @ Rated rpm	26.4 (20) @ 2200
#Cylinders and Displacement cu in. (L)	3 - 100.2 (1.6)
HYDRAULIC SYSTEM	
Main Pumps, Type	Variable piston
Total Main Pump Flow gpm (L/m)	16.4 (62)
Normal Relief Pressure psi (kPa)	Not published
Auxiliary Hyd. Max Flow Rate gpm (L/m)	13.9 (52.6)
Lever Pattern Change	Std
UNDERCARRIAGE	
Track type - Std / Opt	Rubber belt / Steel shoe optional
Track Length on ground ft (mm)	4' 10.7" (1490)
Ground Clearance in. (mm)	12.6" (320)
Standard Track Width in (mm)	11.8" (300)
Ground Pressure, Std. Track psi (kPa)	4.06 (28.0)
Max. Travel Speed mph (kph)	2.8 (4.5)
Gradeability % - (deg)	Not published
Max. Drawbr Pull lb (kg)	Not published
BUCKET	
Std. Bucket Width in. (mm)	Not published
Bucket Size SAE cu ft (cu m)	Not published
BLADE	
Blade Width ft (mm)	5' 1" (1550)
Blade Height in. (mm)	14.2" (361)
Blade Max Lift Above Grd. Level in. (mm)	14.2" (361)
Blade Max Lift Below Grd. Level in. (mm)	12.4" (315)
PERFORMANCE	
Standard Arm ft (mm)	3' 10" (1170)
Max. Digging Height ft (mm)	14' 7" (4450)
Max. Digging Depth ft (mm)	8' 6" (2590)
Max. Digging Reach ft (mm)	15' 4" (4670)
Max. Digging Reach @ G.L. ft (mm)	Not published
Max. Dump Height ft (mm)	10' 6" (126)
Max. Vertical Digging Depth ft (mm)	Not published
Min. Front Swing Radius ft (mm)	6' 5.2" (1960)
Min Frt Swing Radius w/Boom Swing ft (mm)	Not published
Boom Swing Angle degrees L/R	72° / 62°
Lift Cap. Over Front @ 10' G.L. lb (kg)	2,554 (1158)
Lift Cap. Over Side @ 10' G.L. lb (kg)	902 (409)
Arm Force - Std. Arm lb (kg)	3,410 (15.2)
Bucket Digging Force lb (kg)	4,994 (22.2)
Tail Swing Radius ft (mm)	2' 6.5" (770)
Tail Overhang over Side of Track in. (mm)	0
Swing Speed rpm	9.1
TRANSPORT SPECIFICATIONS	
Std. Transport Length ft (mm)	13' 9" (4190)
Std. Transport Height ft (mm)	8' 1" (2460)
Std. Transport Width ft (mm)	5' 1" (1550)
CAPACITIES	

Fuel Tank gal (L)	10.6 (40)
Hydraulic Reservoir gal (L)	9 (32.2)
SAE OPERATING WEIGHT lb (kg)	6,358 (2884)
Metric Ton Weight	2.887

Specifications are based on published information at the time of publication. Specifications are subject to change without notice.

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