

# Nomad Specifications

	Nomad 15	Nomad 65 Neo	Nomad 90 Neo
<b>ACTUATOR</b>			
Peak force	77.2 kN (17,366 lbf)	278 kN (62,400 lbf)	400.3 kN (89,920 lbf)
Hold down weight	7,316 kg (16,135 lb)	28,294 kg (63,610 lb)	36,357 kg (80,082 lb)
Rated frequency	1 to 400 Hz	1 to 250 Hz	1 to 250 Hz
Full drive start frequency	7 Hz	5.4 Hz	5 Hz
Reaction mass weight	1,000 kg (2,204 lb)	4,700 kg (10,352 lb)	7,000 kg (15,432 lb)
Baseplate weight	320 kg (705 lb)	1,584 kg (3,490 lb)	2,300 kg (5,066 lb)
RM/BP ratio	3,125	2.97	3,08
Baseplate clearance	40 cm (15.75 in) *	50 cm (20 in) *	47.5 cm (18.7 in) *
Baseplate area	1 m <sup>2</sup> (1.55 in <sup>2</sup> )	2.64 m <sup>2</sup> (4.08 in <sup>2</sup> )	2.86 m <sup>2</sup> (4.43 in <sup>2</sup> )
Piston area	31.4 cm <sup>2</sup> (4.87 in <sup>2</sup> )	112.6 cm <sup>2</sup> (17.45 in <sup>2</sup> )	162 cm <sup>2</sup> (25.11 in <sup>2</sup> )
Usable stroke	7 cm (2.75 in)	10.16 cm (4 in)	10.16 cm (4 in)
Servo valve	ATLAS 60F with MOOG pilot	ATLAS 240HP with MOOG pilot	
Vibrator pump	100 cc, pressure comp., 221 l/mn (58 gpm)	190 cc, pressure comp., 458 l/mn (121 gpm)	2*130 cc, pressure comp., 633 l/mn (167 gpm)
Differential pressure	246 bar (3,568 psi)	247 bar (3,580 psi)	247 bar (3,580 psi)
Isolation	Airbags	Airbags	Airbags
Hydraulic tank	130 l (34 gal)	300 l (79 gal)	300 l (79 gal)

<b>Nomad VEHICLE</b>			
Type	4x4 rigid frame, two driving and steering axles	4 x 4 articulated steering, two driving axles	
Steering	Electro hydraulic steering	Hydraulic power steering	
Pump Drive	2 pump drive with engine flexible coupling		
Drive Pump	Axial piston variable displacement pump electronically controlled		
Motors	Bend axis variable displacement w/flushing valves for cooling		
Axles	Outboard planetary gears, input drop gear, dual inboard wet-disc brakes	Outboard planetary gears, dual inboard wet-disc brakes	
Transmission Brakes	Full-time hydrostatic brake		
Service Brakes	Hydraulic actuated internal wet disc		
Max Speed	25 km/h (15.5 mph) *	24 km/h (15 mph) *	25 km/h (15.5 mph) *
Gradability	55 % (29°)	60 % (31°)	58 % (30°)
Turning diameter, curb to curb	7.81 m (25 ft-8 in) with 440/80 R24 tires	20.76 m (68 ft-1 in) with 66x44.00-25 tires	24.01 m (78 ft-9 in) with 66x44.00-25 tires
Turning diameter, wall to wall	9.86 m (30 ft-5 in) with 440/80 R24 tires	20.76 m (68 ft-1 in) with 66x44.00-25 tires	24.01 m (78 ft-9 in) with 66x44.00-25 tires
Electrical	24 V multiplexed system . 24VDC to 12VDC converter for radio		
Cab	Steel construction, ROPS certified. Fully insulated, air conditioning, heater, fan, tinted safety glass		

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<b>ENGINE</b>			
<b>Standard engine</b>	Volvo TAD 560, 4 stroke, water cooled / turbo-charged, after cooled	Caterpillar C13 Acert, 4-stroke, water-cooled / turbo-charged, after cooled	Caterpillar C15 Acert, 4-stroke, water-cooled / turbo-charged, after cooled
<b>Power / Rated RPM</b>	129 kW (173 hp) @ 2300 rpm	328 kW (440 hp) @ 1800 rpm	403 kW (540 hp) @ 1800 rpm
<b>Fuel tank</b>	200 l (53 gal)	1000 l (264 gal) tank, Optionnal 1430 l (378 gal) tank, fast filling system	1430 l (378 gal) tank, fast filling system
<b>Emission standard</b>	EU Stage 3B / US Tier 4i	EU Stage 3A / US Tier 3	
<b>Alternative engines</b>	Other models on request		

<b>TIRES AND TRACKS</b>			
<b>Standard tire models</b>	440/80 R24 XMCL Michelin	1050/50R25 (sand), 1000/50R25 (rock), 66x44.00-25, 66x43.00-25	29.5 R 25 or 66x44.00-25
<b>Other models</b>	Other dimensions on request		
<b>Track option</b>	Not available	Available	Not available

	Nomad 15	Nomad 65 Neo	Nomad 65T Neo	Nomad 90 Neo
<b>GENERAL SPECIFICATIONS</b>				
<b>Length**</b>	6.56 m (21 ft-7 in)	10.64 m (34 ft-11 in)		10.82 meter (35 ft-6in)
<b>Width**</b>	2.44 m (8 ft) *	3.42 m (11 ft- 3 in) *	3.62 m (11 ft- 10 in)	3.32 meter (10 ft-11 in) *
<b>Height**</b>	3.11 m (10 ft-2 in) *	3.22 meter (10 ft-7 in) *	3.78 meter (12 ft-5 in)	3.68 meter (12 ft-1 in) *
<b>Gross weight**</b>	9,000 kg (19,841 lb)	31,718 kg (69,863 lb)	41,500 kg (91,409 lb)	41,500 kg (91,409 lb)
<b>Operating temperatures, min</b>	-14°C (+7°F)	-12°C (+10°F) standard -30°C (-22°F) winterization level 1 -50°C (-58°F) winterization level 2		-12°C (+10°F) standard -30°C (-22°F) winterization level 1
<b>Operating temperatures, max</b>	+50°C (+122°F)	+53°C (+127.5°F) standard +56°C (+133°F) specific use condition		

Note: Sercel reserves the right to change its specifications without prior notice.  
All specifications are typical at 25°C

\* according to tires type

\*\* dimensions are given for information only. Please contact SERCEL for transport quotation

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