

Nomad

	Nomad 65 <i>Neo</i>	Nomad 90 <i>Neo</i>
ACTUATOR		
Peak force	278 kN (62,400 lbf)	400.3 kN (89,920 lbf)
Hold down weight	28,294 kg (63,610 lb)	36,357 kg (80,082 lb)
Rated frequency	1 to 250 Hz	1 to 250 Hz
Full drive start frequency	5.4 Hz	5 Hz
Reaction mass weight	4,700 kg (10,352 lb)	7,000 kg (15,432 lb)
Baseplate weight	1,584 kg (3,490 lb)	2,300 kg (5,066 lb)
RM/BP ratio	2.97	3.08
Baseplate clearance	50 cm (20 in) *	47.5 cm (18.7 in) *
Baseplate area	2.64 m (4.08 in)	2.86 m (4.43 in)
Piston area	112.6 cm (17.45 in)	162 cm (25.11 in)
Usable stroke	10.16 cm (4 in)	10.16 cm (4 in)
Servo valve	ATLAS 240HP with MOOG pilot	
Vibrator pump	190 cc, pressure comp., 458 l/mn (121 gpm)	2*130 cc, pressure comp., 633 l/mn (167 gpm)
Differential pressure	247 bar (3,580 psi)	247 bar (3,580 psi)
Isolation	Airbags	Airbags
Hydraulic tank	300 l (79 gal)	300 l (79 gal)
Nomad VEHICLE		
Type	4 x 4 articulated steering, two driving axles	
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	24 km/h (15 mph) *	25 km/h (15.5 mph) *



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Nomad VEHICLE		
Gradability	60 % (31°)	58 % (30°)
Turning diameter, curb to curb	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	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	
ENGINE		
Standard engine	Caterpillar C13 Acert, 4-stroke, water-cooled / turbo-charged, after cooled	Caterpillar C15 Acert, 4-stroke, water-cooled / turbo-charged, after cooled
Power / Rated RPM	328 kW (440 hp) @ 1800 rpm	403 kW (540 hp) @ 1800 rpm
Fuel tank	1000 l (264 gal) tank, Optionnal 1430 l (378 gal) tank,fast filling system	1430 l (378 gal) tank, fast filling system
Emission standard	EU Stage 3A / US Tier 3	
Alternative engines	Other models on request	
TIRES AND TRACKS		
Standard tire models	1050/50R25 (sand), 1000/50R25 (rock), 66x44.00-25, 66x43.00-25	29.5 R 25 or 66x44.00-25
Other models	Other dimensions on request	
Track option	Available	Not available

	Nomad 65 <i>Neo</i>	Nomad 65T <i>Neo</i>	Nomad 90 <i>Neo</i>
GENERAL SPECIFICATIONS			
Length**	10.64 m (34 ft-11 in)		10.82 meter (35 ft-6in)
Width**	3.42 m (11 ft- 3 in) *	3.62 m (11 ft- 10 in)	3.32 meter (10 ft-11 in) *
Height**	3.22 meter (10 ft-7 in) *	3.78 meter (12 ft-5 in)	3.68 meter (12 ft-1 in) *
Gross weight**	31,718 kg (69,863 lb)	41,500 kg (91,409 lb)	41,500 kg (91,409 lb)
Operating temperatures, min	-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
Operating temperatures, max	+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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