

EUCLID HAULERS



EUCLID

Around-the-clock reliability, all year round



Our philosophy: the most valuable part of a Euclid hauler

Since the very beginning, Euclid haulers have been designed and built to be the best. For over half a century, we have led our field in the development of new products, new technologies, and new levels of owner satisfaction. This philosophy of proactive leadership still guides us

at Euclid. We continually strive to produce reliable, hard-working vehicles that give you superior value for money spent. And thanks to this philosophy, Euclid has earned a reputation for quality and value with customers around the world.



The new R60C: over 100 tonnes of innovation

The newest model in Euclid's well-known R60 line is the R60C. Gross machine weight has been increased to 101,600 Kg. The 700-horsepower Cummins QSK19C powerplant provides the muscle to haul maximum payloads efficiently and reliably.

The R60C is equipped with the new Allison M6600 transmission, which features six forward speeds and two in reverse to provide the operator with more flexibility in any application. Trim boost soft shifting provides smooth shifting to help reduce operator fatigue.

The ergonomically advanced Command Cab III gives the operator a comfortable, low-noise environment. The wraparound-style dashboard positions all controls within easy reach while ensuring that all instruments are clearly visible. Whether you're the operator or the owner, Euclid's R60C has more to offer than ever before.

Euclid invented the off-highway hauler in 1926

Since then, Euclid haulers have earned a reputation as the strongest, most durable haulers in the industry. Every inch of a Euclid hauler is engineered for heavy duty performance around the clock, with minimum downtime for maintenance and scheduled service. At the heart of the hauler's legendary durability, is a tough Euclid frame. To this frame we have added a wide range

of powertrains, easy-to-load bodies, and one of the world's most sophisticated suspension systems. We continue to innovate.

Today, Euclid offers a complete range of haulers, with a nominal capacity from 32 to 262 tons, that fulfill every modern concept of strength, speed, durability and service.

Longer Equipment Life

Euclid frames and bodies utilize robotic welding to ensure flawless, continuous welds. Welds are located in low-stress areas to minimize fatigue, and the frame design ensures open accessibility to the engine and major components.

Smooth, Effective Braking

The Euclid all-hydraulic actuated braking system provides precise braking control and quick system response. Variable front-to-rear brake proportioning maximizes tire-to-ground contact for maximum braking power.

On electrical drive trucks, retardation on grade is achieved through DC wheel motors in conjunction with a resistor grid package.

Oil-cooled rear wet disc brakes featured on our transmission-driven trucks provide superior retarding. These brakes are designed to prevent drag and prolong brake life. An Optional ACTIVE TRACTION CONTROL system minimizes tire slippage and reduces repairs.

Optional ELECTRONIC DOWNHILL SPEED CONTROL allows the operator to set speed on grade for consistent operation, minimized operator-induced strain on the powertrain and reduced operator fatigue.

Easy Servicing

Euclid haulers are designed with centralized service centers, ground-serviceable filters, electrical system access in the cab, and other easy-to-access features, to make routine maintenance and servicing simple.

Increased Operator Comfort

Ergonomically designed cabs feature an integral ROPS/FOPS structure. Wraparound-style dashboards allow easy access to controls. Insulated and carpeted interiors provide low noise and comfort. Three-point iso-mount geometry minimizes vibration transfer to the operator cabin, which reduces operator fatigue.



Optimum Performance and Fuel Economy

Cummins, Detroit Diesel and Volvo engines are turbocharged and aftercooled for maximum horsepower and include the latest fuel enhancement technology. Built-in diagnostics reduce service time and make troubleshooting easier.

Electric drive trucks feature General Electric wheel motors and boast improved high-speed performance and longer life expectancy. The GE Statex III with electronic control enhances fuel economy.



All Euclid hauler bodies are continuously exhaust-heated regardless of body position. The body is designed to maintain load integrity, effectively shed material during the dump cycle, and isolate exhaust from the cab and air filters.

The body is built with high-tensile-strength steel. Horizontal stiffeners minimize stress concentrations and distribute load shocks over the length of the body.

Smoother Ride

Euclid's suspension guarantees axial loading directly to the strut, dramatically reducing bending and sidewall forces. This increases component and tire life.

NEOCON struts, which use NEOCON-E environmentally friendly fluid, absorb virtually twice as much energy as nitrogen/oil struts. Reduced impact loading on structural members increases equipment life and operator comfort.



400 Brinell

Carrying a big load

In an open cast mining operation quantity is a key concept, and that is exactly what the Euclid hauler provides. To be able to haul vast quantities of rocks and ore per day is an important factor in making the mining operation a success, as volume is often the key advantage of a leading company.

Giants no matter what size

In the subterranean mining environment, Euclid haulers stand their ground. We combine reduced hauler size with practically-maintained load capacity in the shape of the Euclid R32 hauler. At the other end of the Euclid product line is the R260 – a real giant with a 260 tonnes payload. You could probably never wish for a larger hauler to carry the big loads.

Going Concern

When building roads and bridges, time and hauling capacity are important factors. This makes Euclid haulers the superior choice, as they require a minimum of service and maintenance time and provide exceptional hauling capacity. Endurance and consistence are two words that describe Euclid haulers. These two qualities are possibly the most important ones for any large quantity, off-highway hauler.



**Euclid R32**

Engine		Volvo TD 122 KE
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	295 (401)
Max. torque , at	r/s (r/min)	20 (1 200)
SAE J1349 gross	Nm	1 600
Max. speed	km/h	57,0
Load capacity ,		
SAE struck	m ³	14,6
SAE 2:1 heap	m ³	21,0
Load factor		1,42
Loading height	mm	2 860
Max. load capacity	t	32,6
Max. weight ,		
loaded machine	t	55,6

**Euclid R36**

Engine		Volvo TD 162 KA
Rated output , at	r/s (r/min)	33,3 (2 000)
SAE J1349 gross	kW (hp)	330 (442)
Max. torque , at	r/s (r/min)	20 (1 200)
SAE J1349 gross	Nm	2 000
Max. speed	km/h	63,0
Load capacity ,		
SAE struck	m ³	17,0
SAE 2:1 heap	m ³	23,5
Load factor		1,38
Loading height	mm	3 180
Max. load capacity	t	36,3
Max. weight ,		
loaded machine	t	62,5

**Euclid R40C**

Engine		Cummins OSK 19-C525
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	392 (525)
Max. torque , at	r/s (r/min)	22 (1 300)
SAE J1349 gross	Nm	2 407
Max. speed	km/h	65,8
Load capacity ,		
SAE struck	m ³	17,0
SAE 2:1 heap	m ³	23,9
Load factor		1,21
Loading height	mm	3 280
Max. load capacity	t	40,0
Max. weight ,		
loaded machine	t	73,4

**Euclid R60C**

Engine		Cummins QSK19-C700
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	522 (700)
Max. torque , at	r/s (r/min)	22 (1 300)
SAE J1349 gross	Nm	3 084
Engine		
Rated output , at	r/s (r/min)	–
SAE J1349 gross	kW (hp)	–
Max. torque , at	r/s (r/min)	–
SAE J1349 gross	Nm	–
Max. speed	km/h	59,7
Load capacity ,		
SAE struck	m ³	25
SAE 2:1 heap	m ³	40,3
Load factor		1,43
Loading height	mm	3 530
Max. load capacity	t	60
Max. weight ,		
loaded machine	t	101,6

**Euclid R65C**

Engine		Cummins VTA28-C
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	567 (760)
Max. torque , at	r/s (r/min)	21,7 (1 300)
SAE J1349 gross	Nm	3 250
Engine		
Rated output , at	r/s (r/min)	–
SAE J1349 gross	kW (hp)	–
Max. torque , at	r/s (r/min)	–
SAE J1349 gross	Nm	–
Max. speed	km/h	59,7
Load capacity ,		
SAE struck	m ³	28,3
SAE 2:1 heap	m ³	39,0
Load factor		1,35
Loading height	mm	3 660
Max. load capacity	t	66,5
Max. weight ,		
loaded machine	t	108,4

**Euclid R90C**

Engine		Cummins KT 38-C
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	690 (925)
Max. torque , at	r/s (r/min)	21,7 (1 300)
SAE J1349 gross	Nm	4,095
Engine		Cummins KTA 38-C
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	783 (1 050)
Max. torque , at	r/s (r/min)	21,7 (1 300)
SAE J1349 gross	Nm	4 630
Max. speed	km/h	54,8
Load capacity ,		
SAE struck	m ³	35,7
SAE 2:1 heap	m ³	52,7
Load factor		1,40
Loading height	mm	4 190
Max. load capacity	t	90,7
Max. weight ,		
loaded machine	t	155,1

**Euclid R130B**

Engine		Cummins KTTA 38-C
Rated output , at	r/s (r/min)	35 (2 100)
SAE J1349 gross	kW (hp)	1 007 (1 350)
Max. torque , at	r/s (r/min)	25 (1 500)
SAE J1349 gross	Nm	5 264
Engine		Detroit Diesel 12V-149TIB
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 gross	kW (hp)	1 007 (1 350)
Max. torque , at	r/s (r/min)	23 (1 400)
SAE J1349 gross	kN	5 300
Max. speed	km/h	49,3
Load capacity ,		
SAE struck	m ³	50,3
SAE 2:1 heap	m ³	71,9
Load factor		1,53
Loading height	mm	5 000
Max. load capacity	t	132,0
Max. weight ,		
loaded machine	t	226,8

**Euclid R150**

Engine		Cummins KTA 50-C
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 gross	kW (hp)	1 193 (1 600)
Max. torque , at	r/s (r/min)	25 (1 500)
SAE J1349 gross	Nm	5 966
Engine		Detroit Diesel 16V-149TIB
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 gross	kW (hp)	1 193 (1 600)
Max. torque , at	r/s (r/min)	25 (1 500)
SAE J1349 gross	kN	6 515
Max. speed	km/h	55,4
Load capacity ,		
SAE struck	m ³	59,3
SAE 2:1 heap	m ³	84,1
Load factor		1,29
Loading height	mm	4 840
Max. load capacity	t	140,4
Max. weight ,		
loaded machine	t	249,5

**Euclid R170**

Engine		Cummins KTA 50-C
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 gross	kW (hp)	1 193 (1 600)
Max. torque , at	r/s (r/min)	25 (1 500)
SAE J1349 gross	Nm	5 966
Engine		Detroit Diesel 16V-149TIB
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 gross	kW (hp)	1 193 (1 600)
Max. torque , at	r/s (r/min)	23 (1 400)
SAE J1349 gross	kN	6 514
Max. speed	km/h	55,4
Load capacity ,		
SAE struck	m ³	68,4
SAE 2:1 heap	m ³	97,0
Load factor		1,47
Loading height	mm	5 240
Max. load capacity	t	165,9
Max. weight ,		
loaded machine	t	279,0

**Euclid R190**

Engine		Cummins K1800E (Centry)
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 Gross	kW (hp)	1 342 (1 800)
Max. torque , at	r/s (r/min)	22 (1 300)
SAE J1349 Gross	Nm	7 085
Engine		Detroit D 16V-149TIB (DDEC)
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 Gross	kW (hp)	1 342 (1 800)
Max. torque , at	r/s (r/min)	23 (1 400)
SAE J1349 Gross	kN	7 173
Max. speed	km/h	55,4
Load capacity ,		
SAE struck	m ³	77,7
SAE 2:1 heap	m ³	106,8
Load factor		1,44
Loading height	mm	5 250
Max. load capacity	t	183,4
Max. weight ,		
loaded machine	t	310,7

**Euclid R260**

Engine		Detroit Diesel S-4000
Rated output , at	r/s (r/min)	32 (1 900)
SAE J1349 Gross	kW (hp)	1 864 (2 500)
Max. torque , at	r/s (r/min)	–
SAE J1349 Gross	Nm	–
Engine		
Rated output , at	r/s (r/min)	–
SAE J1349 Gross	kW (hp)	–
Max. torque , at	r/s (r/min)	–
SAE J1349 Gross	kN	–
Max. speed	km/h	48,8
Load capacity ,		
SAE struck	m ³	92,9
SAE 2:1 heap	m ³	131,9
Load factor		1,60
Loading height	mm	6 100
Max. load capacity	t	238
Max. weight ,		
loaded machine	t	386,0



Technology on Human Terms

The Volvo Construction Equipment Group is one of the world's leading manufacturers of construction machines, with a product range encompassing wheel loaders, excavators, articulated haulers, rigid haulers, motor graders and more.

The tasks they face vary considerably, but they all share one vital feature: technology which helps Man to perform better. Safely, efficiently and with care of the environment. We refer to it as Technology on Human Terms.

The sheer width of the product range means it is always possible to choose exactly the right machine and attachment for the job. Each machine also comes with the quality, continuity and safety which is represented

by the Volvo name. The safety of the service and parts organisation. The safety of always having immediate access to leading-edge research and technical development. A machine from Volvo meets the very highest demands in all kinds of jobs, under all conditions. The world over.

The Volvo Construction Equipment Group develops, manufactures and markets Volvo, Euclid, Pel-Job, Mecalac and Champion products. We are a Volvo company with production facilities on three continents and a market presence in over 100 countries.

For more information please visit our web site:
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Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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