



Power and speed  
in digging and  
loading



**ÅKERMAN**



# Åkerman EC620

## For mining, quarrying and construction projects

The Åkerman EC620, a machine in the 60 t class is the latest addition to the new Åkerman range of excavators. Available in early 1994, the excavator will be produced in three model versions. The EC620ME, a mass excavation model, will weigh 61 t and will have a 4,1 m<sup>3</sup> standard bucket. Designed for high productivity, the Åkerman EC620ME is capable of loading large quantities of material in short time.

### Reliable

The Åkerman EC620 excavator is built on over 50-year experience of excavators for Heavy Duty conditions. Undercarriage, digging equipment and hydraulic systems are just a few parts designed specifically for Heavy Duty operations. Automatic lubrication of the digging equipment and the slew ring in a unique oil bath are others. All designed for Heavy Duty operations.

### High productivity

Built for the toughest applications, this excavator is rugged, dependable and powerful. It is equipped to work equally well in all climates and in all ground conditions from soil to hard rock. Standard features include the unique Åkerman boom floating system for reduced cycle times. Great operator comfort and ease of control enable the operator to fully use the built-in capacity of the excavator.

### Huge reserves of power and speed

The Volvo TD 121 KG turbocharged diesel engine with intercooler develops a net output of 284 kW (386 hp) at only 1 800 r/min. The combination of the moderate r/min and the low strain on the engine will ensure long-lasting and reliable operation.

Incorporated into the unit is a 5 pump high-output hydraulic system. Low energy losses in the hydraulic system contribute to the fact that fuel consumption is lower per hour than that of other comparable machines.

This 60 – 62 t excavator has the stability of competitive units in the 65 - 70 t class, brought about by the long and wide undercarriage and a unique, well-balanced superstructure.

### Facts about Åkerman EC620ME

<b>Engine</b>	Volvo TD 121 KG
<b>Rated output, at</b> ISO 3046 / DIN 6271	28,3 r/s (1 800 r/min) 284kW (386 hp)
<b>Bucket capacity</b>	4,1 m <sup>3</sup>
<b>Reach (max.)</b>	11,6 m
<b>Digging depth (max.)</b>	7,2 m
<b>Dump height (max.)</b>	8,1 m
<b>Breakout force (max.)</b>	352 kN
<b>Operating weight</b>	61 t









# The perfect combinations

In a multitude of applications and in all corners of the world, you will find Volvo BM articulated haulers, Euclid rigid haulers and Åkerman excavators successfully producing what they are supposed to produce. Result. Volvo BM articulated hauler is the world's best selling articulated hauler, with high loading capacity and superior terrain characteristics. Euclid rigid haulers are world famous by their productivity, their rugged design and reliable drive train. Åkerman excavators are

powerful, fast and with digging capabilities better than most. All backed up by a well-trained service and spare parts organisation for fast and efficient support. Contact your local VME representative and discuss your production requirements. He will help you to optimize your machinery and your production for highest productivity and tangible bottom results. Below you will find brief specifications of the three versions of the Åkerman EC620 with a selection of matching haulers from VME.



**Åkerman EC620**

Engine	Volvo TD 121 KG
Rated output, at ISO 3046 / DIN 6271	30 r/s (1 800 r/min) 284 kW (386 hp)
Bucket capacity	3 060 l
Reach (max.)	12,9 m
Digging depth (max.)	8,3 m
Breakout force (max.)	295 kN
Operating weight	60,0 t



**Åkerman EC620ME**

Engine	Volvo TD 121 KG
Rated output, at ISO 3046 / DIN 6271	30 r/s (1 800 r/min) 284 kW (386 hp)
Bucket capacity	4 100 l
Reach (max.)	11,5 m
Digging depth (max.)	7,2 m
Breakout force (max.)	352 kN
Operating weight	61,0 t



**Åkerman EC620FS**

Engine	Volvo TD 121 KG
Rated output, at ISO 3046 / DIN 6271	30 r/s (1 800 r/min) 284 kW (386 hp)
Bucket capacity	3 500 l
Reach (max.)	9,5 m
Digging depth (max.)	4,3 m
Breakout force (max.)	442 kN
Operating weight	62 t

**Volvo BM A25C 6x6 / 4x4**



Engine	Volvo TD 73 KCH
Rated output, at SAE J1349 Gross DIN 6271	40 r/s (2 400 r/min) 190 kW (255 hp) 187 kW (251 hp)
Max speed	51,0 km/h
Load capacity, SAE struck	10,6 m <sup>3</sup> / 10,1 m <sup>3</sup>
SAE 2:1 heap	13,5 m <sup>3</sup> / 13,0 m <sup>3</sup>
Payload	22 500 kg
Net weight	17 770 kg / 15 770 kg
Gross weight	40 270 kg / 38 270 kg

**Volvo BM A30 6x6**



Engine	Volvo TD 102 KF
Rated output, at SAE J1349 Gross DIN 6271	36,7 r/s (2 200 r/min) 214 kW (291 hp) 213 kW (290 hp)
Max speed	52,0 km/h
Load capacity, SAE struck	12,9 m <sup>3</sup>
SAE 2:1 heap	16,5 m <sup>3</sup>
Payload	27 000 kg
Net weight	20 300 kg
Gross weight	47 300 kg

**Volvo BM A35 6x6**



Engine	Volvo TD 122 GA
Rated output, at SAE J1349 Gross DIN 6271	34 r/s (2 050 r/min) 243 kW (330 hp) 240 kW (326 hp)
Max speed	53,3 km/h
Load capacity, SAE struck	14,4 m <sup>3</sup>
SAE 2:1 heap	19,0 m <sup>3</sup>
Payload	32 000 kg
Net weight	25 300 kg
Gross weight	57 300 kg

**Euclid R32**



Engine	Volvo TD 122 KE
Rated output, at SAE J1349 Gross DIN 70020/6271	35 r/s (2 100 r/min) 295 kW (401 hp) 276 kW (375 hp)
Max speed	57 km/h
Load capacity, SAE struck	15,0 m <sup>3</sup>
SAE 2:1 heap	21 m <sup>3</sup>
Loading height	2 860 mm
Nominal load capacity	32,6 t
Maximum weight, loaded machine	55,6 t

**Euclid R35**



Engine	Cummins KT 19-C
Rated output, at SAE J1349 Gross DIN 70020/6271	35 r/s (2 100 r/min) 336 kW (450 hp) 321 kW (430 hp) 57 km/h (64 km/h opt)
Max speed	57 km/h
Load capacity, SAE struck	17,0 m <sup>3</sup>
SAE 2:1 heap	23,3 m <sup>3</sup>
Loading height	3 220 mm
Nominal load capacity	31,8 t
Maximum load capacity	36,6 t
Maximum weight, loaded machine	66,2 t

**Euclid R60**



Engine	Cummins KTTA 19-C
Rated output, at SAE J1349 Gross DIN 70020/6271	35 r/s (2 100 r/min) 522 kW (700 hp) 495 kW (664 hp)
Engine	Cummins VTA 28-C
Rated output, at SAE J1349 Gross DIN 70020/6271	35 r/s (2 100 r/min) 522 kW (700 hp) 495 kW (664 hp) 58 km/h (68 km/h opt)
Max speed	58 km/h
Load capacity, SAE struck	23,3 m <sup>3</sup>
SAE 2:1 heap	34,2 m <sup>3</sup>
Loading height	3 450 mm
Nominal load capacity	45,5 t
Maximum load capacity	57,5 t
Maximum weight, loaded machine	96 t

*Under our policy of continuous product improvement, we reserve the right to change specifications or design without prior notice. Illustrations do not necessarily show standard versions of the machines.*

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