

EC22

Emulsion Charger for underground mining

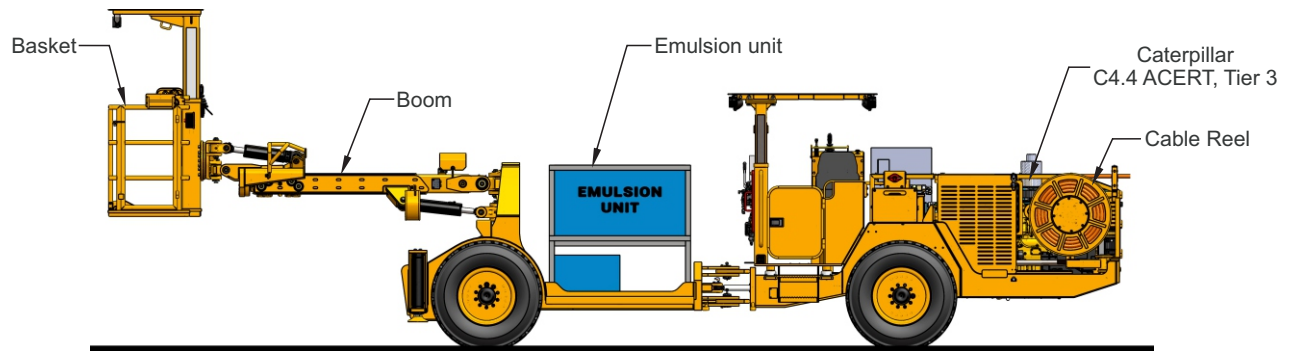


EMULSION CHARGER EC22 is a heavy duty utility vehicle in underground mines for sections from 3.5 x 3.5 m to 5 x 5 m. Emulsion unit capacity of 2000 kg.

Chassis for heavy duty, articulated 4WD self propelled with diesel engine Caterpillar C4.4 ACERT, Tier 3 of 106 kW .

Both roofs of the cabin and the basket certified with FOPS and ROPS.

SPECIFICATIONS



BASKET

• Loading capacity	300 kg
• House reel	20 m
• Arm hydraulic control	
• FOPS certification	

BOOM

• Model	Boom 4AP-EC22
• Boom extension	1200 mm
• Lift angle	+47° / -24°
• Swing angle	±30°
• Hydraulic cylinders	Parker

CARRIER

• Model	EC22
• Diesel engine	Caterpillar C4.4 ACERT, Tier 3
• Power	106 kW @ 2200 rpm
• Transmission	Hydrodynamics
• Powershift gearbox	Dana, T12000
• Differential axle	Dana, Series 112
• Rear axle oscillating	± 8°
• Trimming speed	
- Horizontal	Max. 15 km/h
- Positive ramp 15%	Max. 4.5 km/h
• Service brakes	Wet discs, POSI STOP
• Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
• Steering (articulated carrier)	±40°
• Tyres	12.00 x R20
• Hydraulic jacks	2 extendable front
• Canopy	FOPS / ROPS certification includes 2 seat
• Fuel tank	31.7 gal / 120 l
• Battery	2x12 V, 90 Ah
• Electric system	24 VDC
• Trimming lights	8X, Halogen 65W HD, 24 V
• Centralized grease system	SKF
• Automatic fire suppression system	ANSUL, 4 nozzles
• Fire extinguisher	1x6 kg, Type ABC - manual

EMULSION UNIT

• Capacity	2000 kg
• Electric connection	24 VDC

HYDRAULIC CONTROL SYSTEM

• Control valve	Parker KA-10
• Hydraulic pump	Parker, PGP511
• Working pressure	180 bar
• Hydraulic oil tank	26.4 gal / 100 l
• Hydraulic return filter	Parker, 10μ
• Hydraulic pressure filter	Parker, 10μ
• Oil cooler	Parker, ULDC11
• Hydraulic filter saturation indicator	Parker
• Low oil level indicator	Hydac
• Oil temperature indicator	Hydac
• Dual drive controls for boom (canopy and basket)	

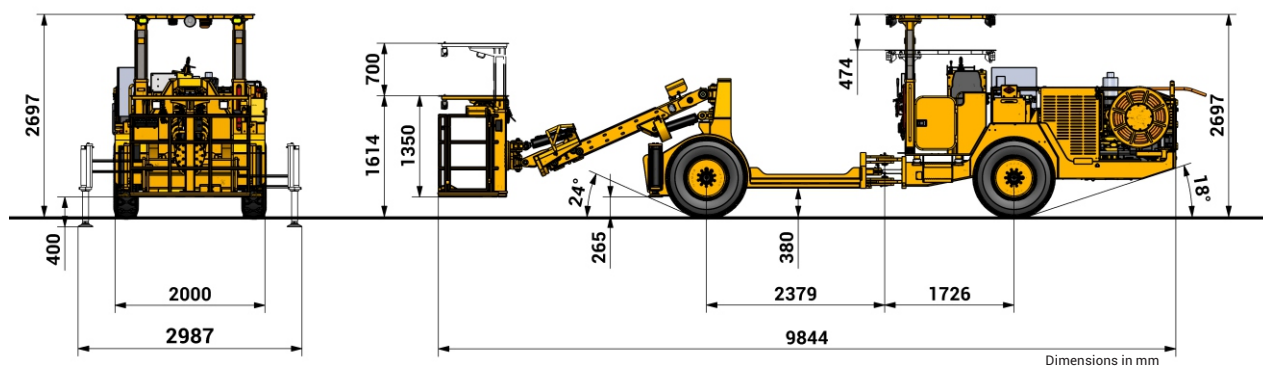
ELECTRIC SYSTEM

• Electric motor	20kW (15 HP)
• Voltage	380 - 440 - 550 - 690 - 1000 VAC
• Frequency	50 - 60 Hz
• Starting method	Star - Triangle
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI
• Percussion horometer	VDO 24V
• Phase sequence indicator	Siemens
• Battery charger	32 VAC, 300W 13A
• Electric transformer	3.5 kVA
• Working lights	2X, LED 6900 lm, 24V
• Electric cable reel	80 m
• Electric cable	3x4/0 - AWG (80 mm)
• Degree of protection	IP 55

AIR SYSTEM

• Compressor	CTN3B.11.HA
	11 kW / 15 hp

DIMENSIONS

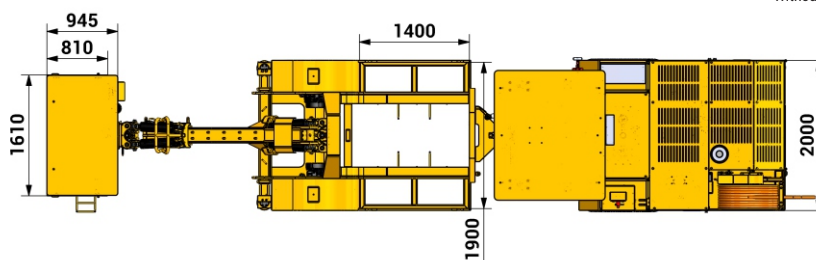
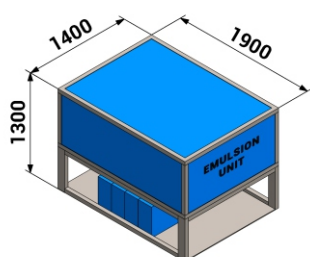


Weight (*)

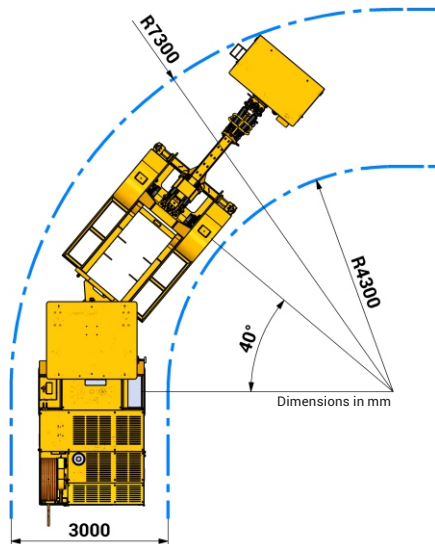
11650 kg

* Without Emulsion Unit

Emulsion Unit



TURNING RADIUS



COVERAGE

