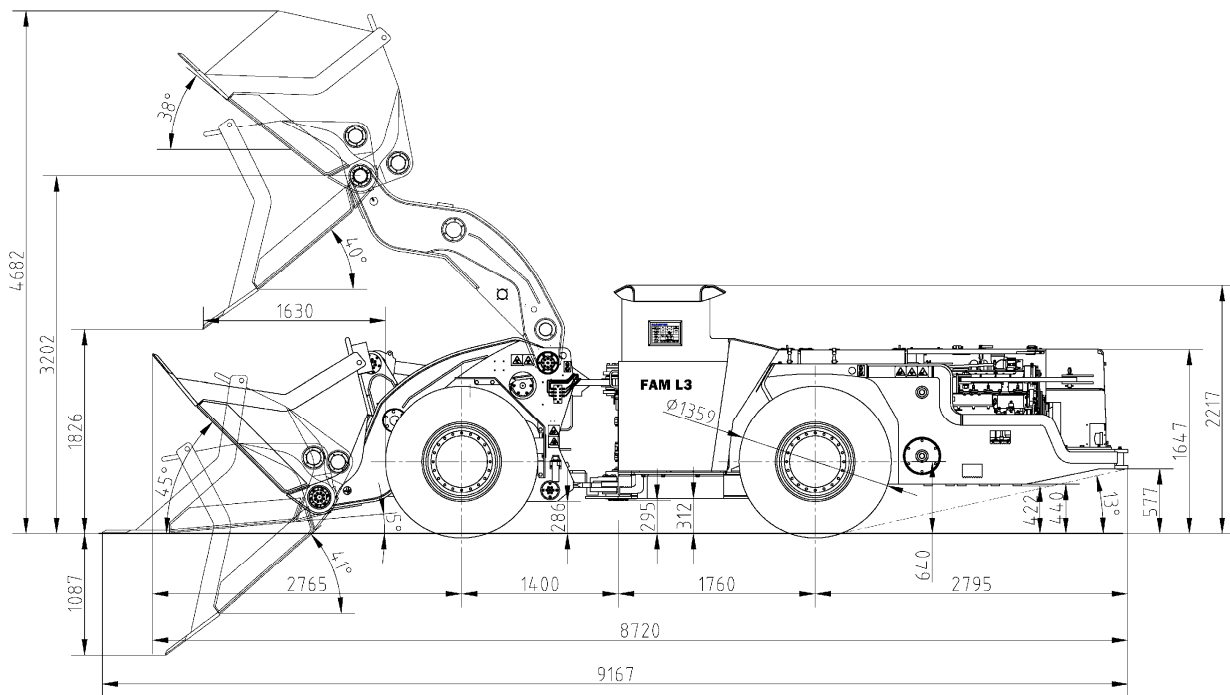
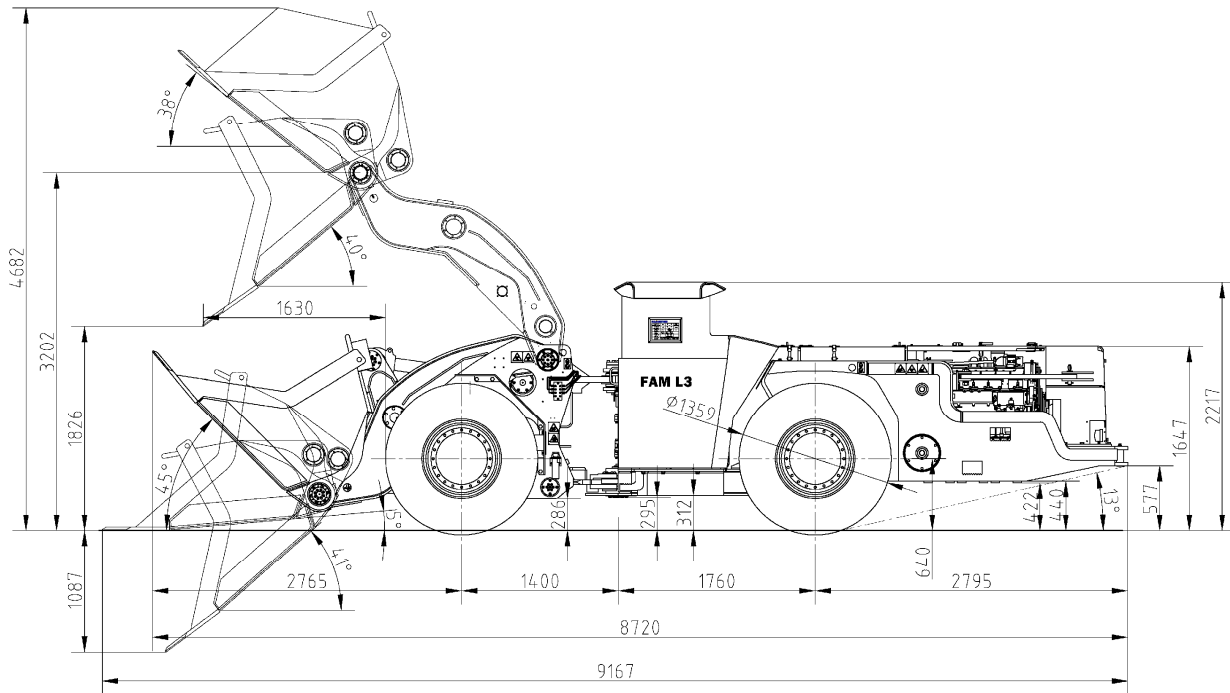


FAML 3 LHD



Engine

Brand

DEUTZ, Germany

总部地址: 山东省青岛市市南区燕儿岛路10号凯悦中心办公楼3803室 邮编: 266071

Office Add: Room 3803, Capland Center, No.10, Yan'erdao Road, Qingdao, Shandong province, China. P.C.:266071

电话/Tel:+86(532)87900000 传真/Fax:+86(532)85777358

工厂地址: 山东青岛市城阳区烟青路(正阳路南) 邮编: 266109

Factory Add: Yanqing Road, Chengyang District, Qingdao, Shandong province, China. P.C.:266109

电话/Tel:+86(532)85784255 传真/Fax:+86(532)85784541

http://www.fambition.com mail:info@fambition.com

Model	BF6M1013EC
Type	Water cooled diesel engine
Rated Power	148 Kw @ 2300 RPM
Max Torque	727 Nm @ 1400 RPM
Torque Converter	
Brand	DANA, USA
Model	C273-443
Type	Single stage 3 elements with hydraulic pump
Power Shift Transmission	
Brand	DANA, USA
Model	R32336
Type	Power shift
Gears	3 gears forward, 3 gears reverse
Axle	
Brand	DANA, USA
Model	37RM116 (or 16D)
Type	Rigid planetary driving axle for mining purpose
Rear Axle Oscillation Angle	$\pm 8^{\circ}$
Differential	Front axle no-spin differential, rear axle standard
Brake System	
Design	Service brake, parking brake
Type	POSI – STOP
Description	Service brake also serves as parking brake, it function as wheels with spring applied hydraulic release wet enclosed braking. Reinforced

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	cooling is available on brake. Independent release pump is available on the vehicle.
Tire	
Model	17.5 – 25 – 20.SS.L – SS.TT
Brand	Tianli
Type	Smooth tread for UG mining use
Hydraulic System	
Design	Working circuit, steering circuit, brake circuit
Working Circuit Pressure	21 MPa
Steering Circuit Pressure	12.5 MPa
Brake Circuit Pressure	11 MPa
Cooling Circuit Pressure	0.05 MPa
Transmission Circuit Pressure	1.6 MPa
Working & Brake Pump	Parker
Steering Pump	Parker
Steering Valve	Rexroth
Working Valve	David Brown
Working Pilot Valve	Rexroth
Steering Pilot Valve	Rexroth
Charging Valve	MICO
Brake Foot Pedal Valve	MICO
Steering Cylinder Diameter	100 mm
Lift Cylinder Diameter	140 mm
Dump Cylinder Diameter	200 mm
Cab Control	

Gear Shift Control	Electric control
Bucket & Boom Control, Steering Control	Hydraulic pilot control
Safety & Lubrication	
Fire Extinguisher	Dry power type, 4kg (2 pcs)
Lubrication	Manual central lubrication
Performance Specifications	
Rated Payload	6000 Kg
Length (bucket on the ground)	9167 ± 50mm
Length (bucket level)	8720 ± 50mm
Width	2214 ± 50mm
Height	2217 ± 50mm
Bucket Capacity (SAE heaped)	3 m ³
Boom lifting time(bucket full loading)	7.5 second
Boom return time (bucket empty)	4 second
Bucket dump time	2 second
Max Lifting Height	4682 ± 50mm
Max Dump Height	1826 ± 50mm
Dump Distance	1630 ± 50mm
Dump Angle	40°
Wheelbase	3160 ± 15mm
Track width	1432 ± 15mm
Min. Ground Clearance	≥286 mm
Departure Angle	13°
Steering	
Steering Angle	±42.5°

Inner Turning Radius	3010 ± 150 mm
Outer Turning Radius	5809 ± 250 mm
Weight	
Operating Weight	18000 Kg
Front Axle Loading (bucket empty)	7950 Kg
Rear Axle Loading (bucket empty)	10059 Kg
Travel Ability	
1 st Gear Speed Forward & Reverse	0 – 4.9 Km/h
2 nd Gear Speed Forward & Reverse	0 – 9.9 Km/h
3 rd Gear Speed Forward & Reverse	0 – 19.5 Km/h
Max Gradient Ability	13°
Max Traction Force	180 KN
Max Shoveling Force (SAE)	134 KN
Tank Volume	
Fuel Tank	210 L
Hydraulic Oil Tank	230 L (with Donaldson Suction oil filter)

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