



Los Canelos #137  
San Bernardo  
Santiago - Chile  
Fono / Fax: (56 - 2) 857 54 09  
e-mail: rquero@maqmining.cl





**MAQMINING**

COMERCIALIZACION DE MAQUINARIA Y SERVICIO

by

CAPACITY — SAE	kg	(lbs)
Tramming Capacity	3600	(8,000)
Static Tipping Capacity	9862	(21,737)
Breakout Force, Hydraulic	9060	(19,930)
Breakout Force, Mechanical		

Boom Speeds: (Seconds)		
Raising		3.7
Lowering		3.0

Bucket Speeds: (Seconds)		
Dump		6.4
Roll Back		5.3

**VEHICLE SPEEDS**  
See Vehicle Grade Performance Chart

ENGINE (STANDARD)		
Deutz Diesel		BF4M1013EC
MSHA Power Rating @ 2,300 rpm	87 kW (117 hp)	
Maximum Torque @ 1,500 rpm	422 Nm (311 ft. lbs.)	
Number of Cylinders	4, In Line	
Displacement	4.76 L (293 cfm)	
Cooling		Water
MSHA Part 7 Ventilation		
Vent Rate	241m3/min (8,500 cfm)	
Particulate Index	212m3/min (7,500 cfm)	

**EXHAUST SYSTEM**  
Catalytic Purifier Plus Exhaust Silencer

**ELECTRICAL SYSTEM**  
System Voltage 24 Volt Starting, 24 Volt Accessories

**TRANSMISSION**  
Modulated Power Shift, 4 Speeds  
Forward/Reverse  
Spicer R28000 Series

**TORQUE CONVERTER**  
Single Stage  
Spicer C-270 Series

**AXLES**  
Spiral Bevel Differential, Full Floating, Planetary  
Wheel End Drive  
Spicer 14D2149

BRAKES		
Service		
Spring Applied Hydraulically Released;		
Fully Enclosed, Multiple Wet Discs at		
Each Wheel End		
Parking and Emergency		Same

TIRES		
Tube Type, Nylon, Smooth Tread Design		
for Underground Mine Service, on Demountable Rims		
Tire Size, Front and Rear	12.00 x 24, 16 Ply, L-5S	

STEERING		
Articulated Hydraulic Power Steering,		
Pilot-Operated, Monostick Control		
Turning Angle	81° (40.5° Each Way)	
System Pressure	13.1 MPa (1,900 psi)	

HYDRAULIC SYSTEM		
Dump and Hoist Control	Pilot-Operated, Single Lever	
Cylinders	Double Acting, Chrome-Plated Stems	
Cylinder Diameter		
Steer Cylinder (1)	127 mm (5.0 in.)	
Hoist Cylinder (1)	178 mm (7.0 in.)	
Dump Cylinder (1)	178 mm (7.0 in.)	
Pumps	Heavy Duty Gear Type	
Dump/Hoist	91 + 91 L /min (48 gpm @2,300 rpm)	
Steering	91 L /min (24 gpm @2,300 rpm)	
Filtration	Suction Line: 25 Micron	
Dump/Hoist System Pressure	11.4 MPa (1,650 psi)	

TANK CAPACITIES	liters	(gallons)
Fuel	133	(35)
Hydraulic	144	(38)

**OSCILLATION**  
Rear Axle, Bronze/Ball Bushing  
Degree of Oscillation Total 16° (8° Each Side)

**OPERATOR'S ARRANGEMENT**  
Side Seated Operator for Bi-Directional Operation & Maximum Visibility and with MSHA - FOPS Certified Canopy

OPERATING WEIGHT (Approximate)	Kg	(lbs)
Empty	12736	(28,020)

