



P.O. BOX 20307 • PORTLAND, OREGON 97220 • U.S.A.

SPECIFICATIONS FOR MODEL ST - 6C

4-WHEEL DRIVE SCOOPTRAM®
OPTIONAL SPEC. NO. 621666
OCTOBER, 1988

CAPACITY:	lbs	(kg)
Static Tipping Load, Straight Ahead	53,847	(24,425)
Breakout Force	28,889	(13,104)
Tramming Capacity	21,000	(9,525)
Hydraulic Breakout Force	33,346	(15,126)

BUCKET (STANDARD):		
Capacity, S.A.E. Rating		
Nominal Heaped	6.0 cu. yds	(4.6 cu. m)
Struck	5.2 cu. yds	(4.0 cu. m)
Boom Raising Time	4.8 sec.	
Boom Lowering Time	3.2 sec.	
Bucket Dump time	3.4 sec.	

VEHICLE SPEEDS, LOADED:				
Forward and Reverse, @ 3% Rolling Resistance.				
Gear	1st	2nd	3rd	4th
Speed in mph	3.2	5.9	9.8	16.1
Speed in km/h	5.2	9.5	15.8	25.9

GRADEABILITY: SEE PERFORMANCE CURVE

ENGINE:		
Caterpillar Diesel (4 Cycle),	Model	3306TA
MSHA Sch. 24 Power Rating @ 2300 rpm:		250 hp
Maximum Torque @ 1200 rpm	648 ft-lbs	(878 N-m)
Number of Cylinders	6	
Displacement	638 cu. in.	(10.4 L)
Cooling	Air	
MSHA Ventilation	30,800 CFM	(872 cu. m/min)

STARTING SYSTEM:	
Electric	24 Volt

TORQUE CONVERTER:	
Single Stage, Clark	C-8,000 Series

TRANSMISSION:	
Full Power Shift, 4 Speeds Forward and 4 Speeds Reverse, Clark	R-32,000 Series

AXLES:	
Spiral Bevel Differential, Full-Floating Planetary Wheel End drive Clark	37,000 Series

STANDARD BRAKES:

Service: 4-Wheel, Hydraulic Applied, Fully Enclosed
Multiple Wet Disc Brakes, Hydraulically Cooled
Parking: Spring Applied, Hydraulically Released
Driveline Disc Brake

TIRES:

Tubeless, Nylon, Smooth Tread Design,
For Underground Mine Service, on Demountable Rims
Tire Size, Front & Rear: 18:00 x 25, 24 Ply, L-5S

STEERING:

Articulated with Self-Aligning Thrust Bearings,
Monostick Control
Turning Angle 85° (42-1/2° Each Way)

HYDRAULIC SYSTEM:

Cylinders: Double-Acting with Chrome Plated Stems

Steering Cylinder	(2)	Diameter: 4.5" (114 mm)
Hoist Cylinder	(2)	Diameter: 6.0" (152 mm)
Dump Cylinder	(1)	Diameter: 7.0" (178 mm)

Pumps: Heavy Duty Gear Type

Dump/Hoist	90 gpm (340 l/min) at 2300 rpm
Steering	45 gpm (170 l/min) at 2300 rpm

Filter: Suction Line 25 Micron

TANK CAPACITIES:	U.S. gal.	(liters)
Fuel	108	(409)
Hydraulic oil	122	(462)

OSCILLATION:

Rear Axle, Trunion Mounted, with Synthane Bushings
Degree of Oscillation Total 20°

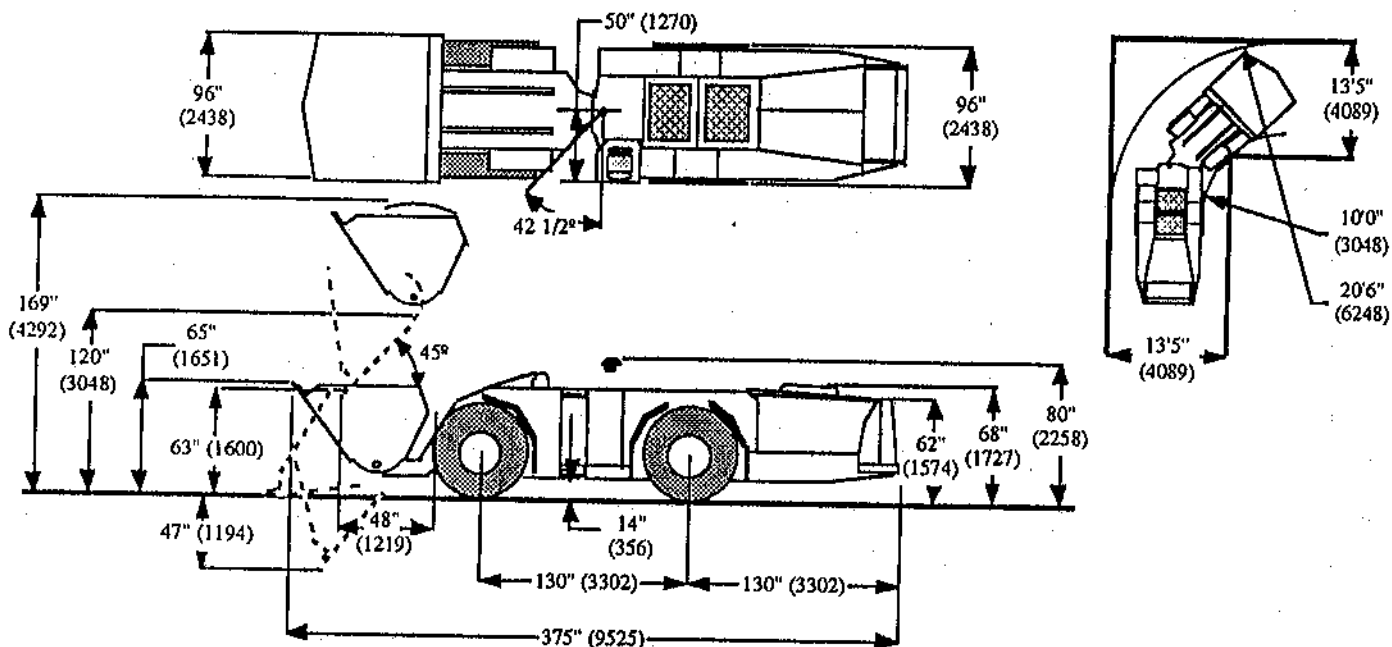
EXHAUST CONDITIONER: Catalytic Purifier

OPERATOR'S ARRANGEMENT:

Side Seating For Bi-Directional Operation and
Maximum Visibility

WEIGHT (APPROXIMATE):	lbs	(kg)
Operating (Empty Vehicle)	50,385	(22,850)

MODEL ST-6C



- NOTES:
- DIMENSIONS SHOWN IN PARENTHESES () ARE SHOWN IN MILLIMETERS.
 - HEIGHT OVER THE OPERATOR ADJUSTABLE DEPENDING ON APPLICATION
 - ALL HEIGHT DIMENSIONS ARE BASED ON A TIRE RADIUS OF 31.5" (800 MM)

STANDARD SPECIFICATION

Engine Hour/Service Meter
 Engine Oil Pressure Gauge
 Engine Temperature Gauges
 Engine Low Oil Pressure/High Temperature Audio-Visual Alarm
 Engine Primary and Secondary Fuel Filters
 Engine Oil Filter
 Dry Type Air Cleaners
 Converter Oil Cooler
 Converter Temperature Gauge

Modulated Shift transmission
 Clutch Pressure Gauge
 Transmission Oil Filter with Indicator
 NoSPIN[®] Differential in Rear Axle
 Dual Circuit Service Brake System
 Hydraulic System Cooling
 Articulation with adjustable, Self-Aligning Thrust Bushings
 Fully Stabilizing Bucket

Two Batteries of 170 Ah each
 Alternator, 50 Amps
 Lights, Halogen (8 - 4 Front & 4 Rear)
 Voltmeter
 Battery Isolation Switch
 Neutral Start Protection
 Automatic Brake Application with Low Converter Pressure
 Fuel Shut-Off Valve
 Swivel Hinge Lock Arm
 Electric Horn

NOTE: The manufacturer reserves the right to change the design and/or specification of this vehicle at any time without notice



**WAGNER
MINING
EQUIPMENT CO.**

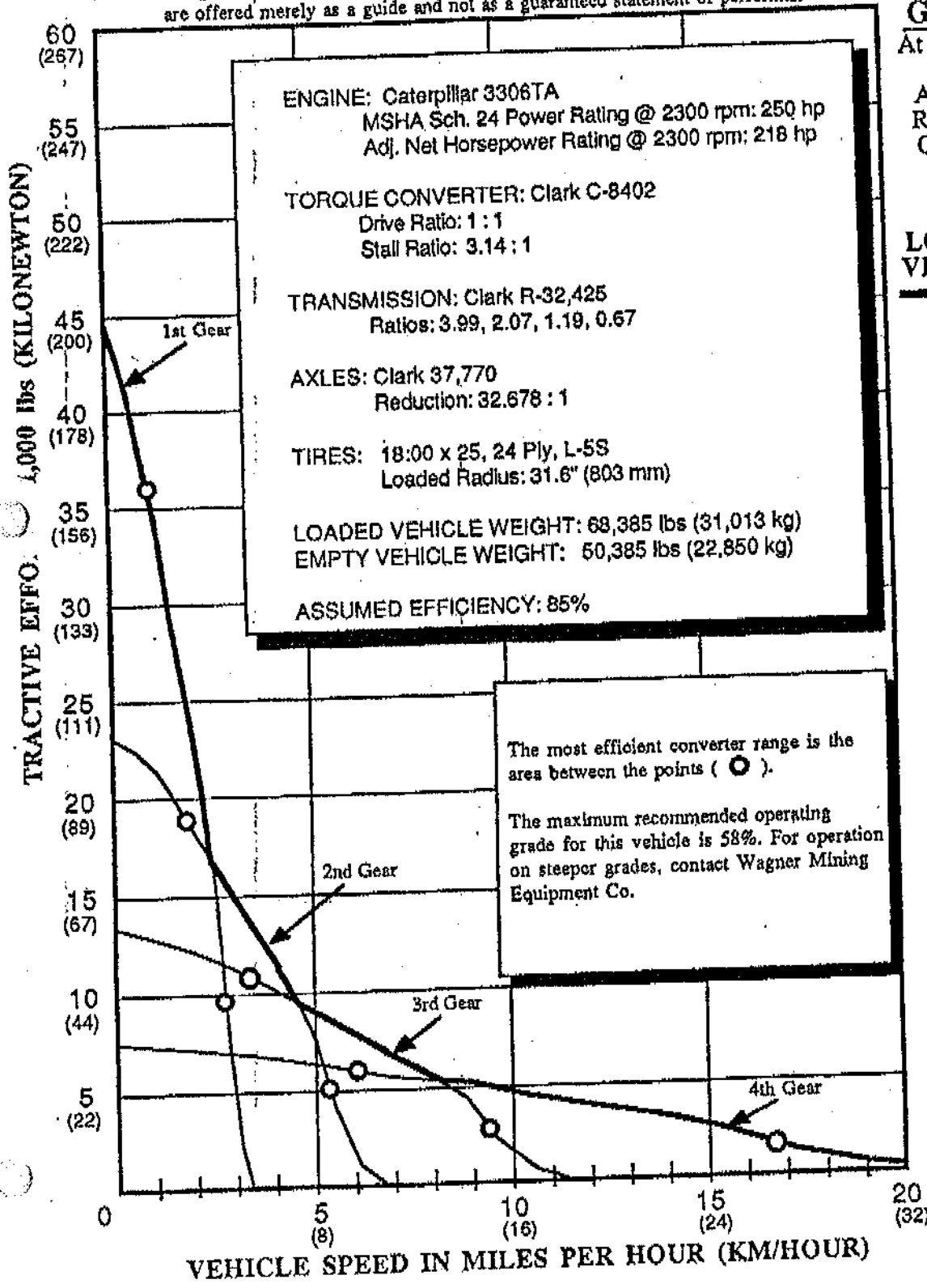
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**PERFORMANCE CURVE
MODEL ST-6C
NO. 621666-1
OCTOBER, 1987**

NOTE: The gradeability and speed curves on this graph are based on assumed variables and are offered merely as a guide and not as a guaranteed statement of performance.

GRADEABILITY
At 0% Rolling Resistance.

NOTE:
Add percentage Rolling Resistance to percentage Grade and use the sum to read the graph.



LOADED VEHICLE **EMPTY VEHICLE**

