

WAGNER

TECHNICAL SPECIFICATION – STANDARD

EST-6C

Electric Scooptram®
50 hz and 60hz

Capacity	kg	(lbs)
Breakout Force	13104	(28,889)
Breakout Force, Hydraulic	20753	(45,752)
Tramming Capacity	9526	(21,000)

Bucket – S.A.E. Rating	m3	(yd3)
Nominal Heaped	4.6	(6.0)
Struck	4.0	(5.2)
Boom Raising Time	7.5 Seconds	
Boom Lowering Time	3.2 Seconds	
Bucket Dump Time	4.8 Seconds	

Vehicle Speeds – Loaded

Forward or Reverse with 3% Rolling Resistance

Speed in km/h	0.0	to	11.6
Speed in mph	0.0	to	7.2

Gradeability

Maximum	See Performance Curve
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Engine

Electric	Three (3) Phase
Available	50 hz and 60 hz
Power Rating	130.5 kw (175 hp)

Trailing Cable Specification

See Specification #556 60285 01

Cable Reel

Multi Wrap, Level Wind with Automatic Tension Control

Torque Converter

Single Stage, Clark

 C-8000 Series

Transmission

Full Power Shift, 4 Speeds Forward/Reverse,
Fourth Gear Blocked Out
Clark

 4000 Series

Axles

Spiral Bevel Differential, Full Floating Planetary Wheel
End Drive
Rock Torque®

 483 Series

Standard Brakes

Service SAHR®
Spring Applied Hydraulic Release: Fully Enclosed,
Multiple Wet Discs at Each Wheel End
Parking and Emergency Same (SAHR)

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, Adjustable Thrust Bearings,
Monostick Control
Turning Angle 80° (40° each way)
System Pressure 15.8 MPa (2,300 psi)

Hydraulic System

Cylinders Double Acting, Chrome Plated Stems
Steering Cylinders (2) Diameter 114 mm (4.5 in)
Hoist Cylinders (2) Diameter 152 mm (6.0 in)
Dump Cylinder (1) Diameter 203 mm (8.0 in)
Pumps Heavy Duty Gear Type
Dump/Hoist 208 lpm (55 gpm) @ 1,875 rpm
Steering 68 lpm (18 gpm) @ 1,875 rpm
Filtration Suction Line: 25 Micron
Dump/Hoist System Pressure 13.8 MPa (2,000 psi)

Tank Capacities

	liters	(gallons)
Hydraulic	462	(122)

Oscillation

Rear Axle, Trunnion Mounted, Synthane Bushings
Degree of Oscillation Total 16°

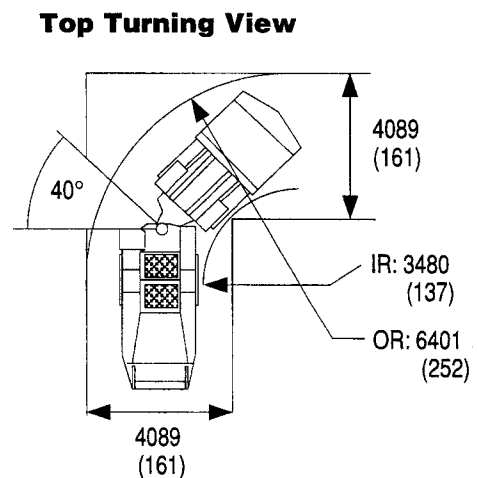
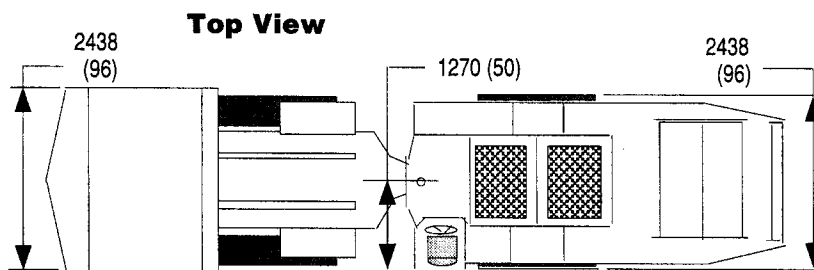
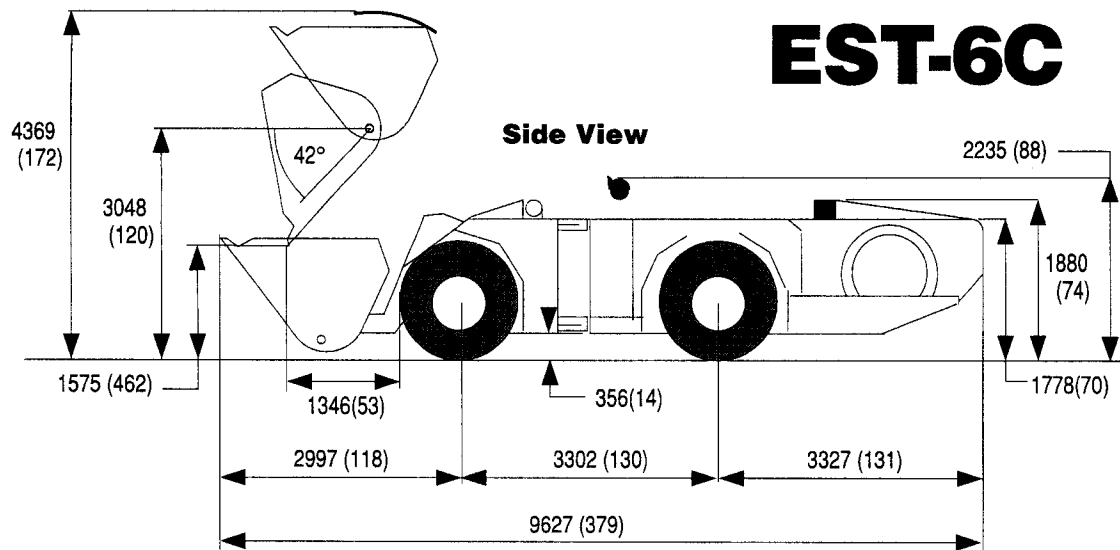
Operator's Arrangement

Side Entry and Side Seating For Bi-Directional Operation
and Maximum Visibility

Operating Weight

	kg	(lbs)
Empty, Approximate	22540	(49,700)

EST-6C



NOTES: Dimensions shown in millimeters (inches).
All height dimensions are based on an unloaded vehicle
tire radius of 800 (31.5).

Standard Features

- | | | |
|--------------------------------------|---------------------------------|----------------------------------|
| 3201 – Modulated Shift Transmission | 5700 – Neutral Start Protection | 8008 – SAHR Override Control |
| 3411 – Raised Axle Vents | 5801 – SAHR® Brake System | 8073 – Service Meter |
| 4002 – Steering Hinge Lock | 6001 – Seat Belts | 0000 – Motor Overload Protection |
| 4401 – Fully Stabilizing Bucket | 7004 – Sealed Electrical System | 0000 – Ground Fault/Ground Check |
| 5350 – Converter Oil Cooler | 7300 – Halogen Working Lights | 0000 – Auto Brake Application |
| 5550 – Hydraulic Pressure Test Ports | 7400 – Electric Warning Horn | |

Vehicle Configuration

- | | | |
|--|-----------------------------------|---------------------------------------|
| 0146 – Bucket: 4.6 m3 (6.0 yd3) | 0701 – SAHR Brakes | 1102 – Grammer Seat |
| 0400 – No Canopy | 0801 – 18.00 x 25 Toyo L-5S TL | 3407 – Rock Torque® Axles |
| 0501 – Conventional Front Differential | 0901 – Monostick Steering Control | 7003 – 24 Volt Electrical Accessories |
| 0602 – NoSpin Rear Differential | 1001 – Single Lever Dump Control | |

Distributed By:

Atlas Copco

Atlas Copco Wagner Inc.

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Telephone (503) 255-2863 • Facsimile (503) 255-7175

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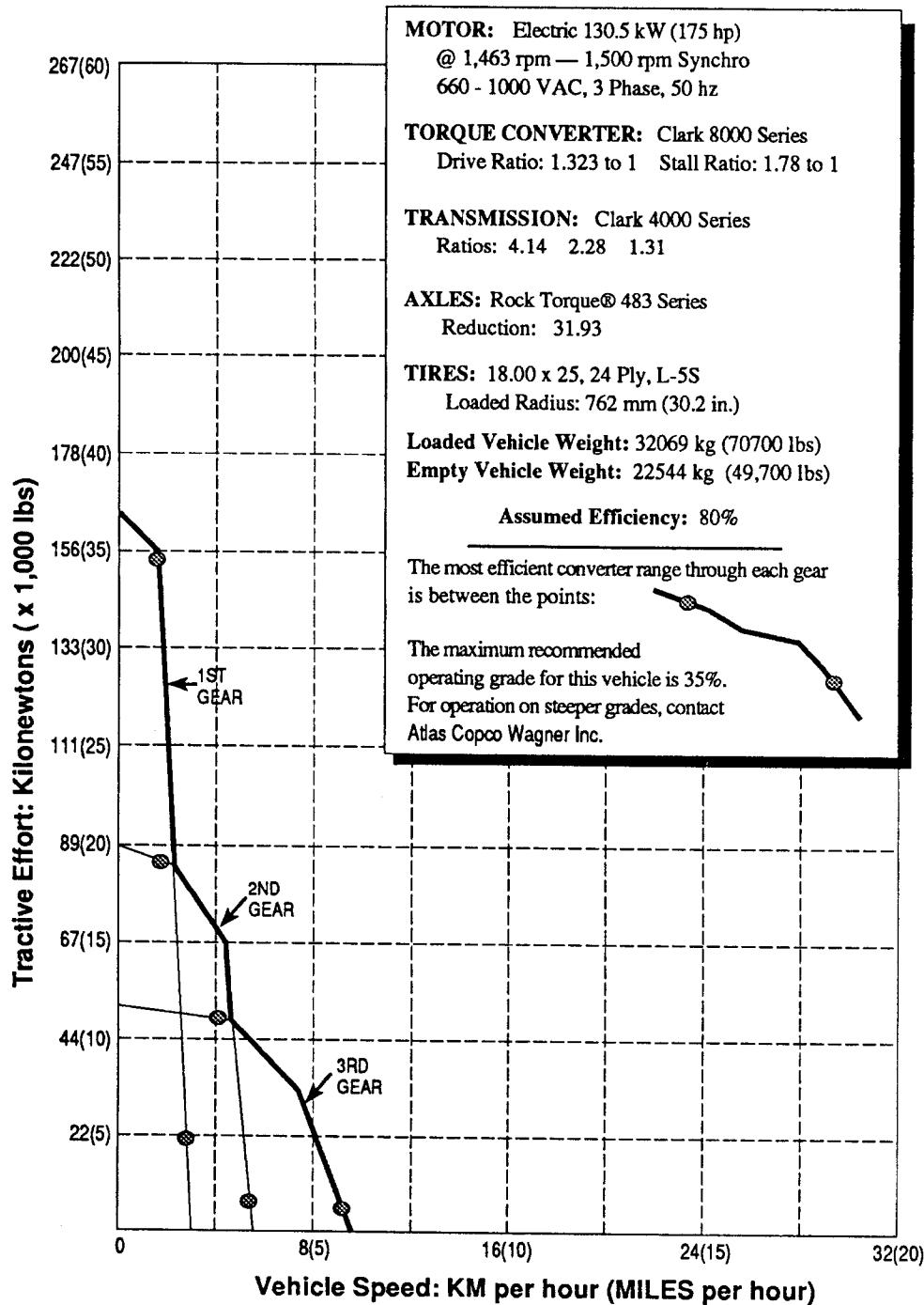
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WAGNER

PERFORMANCE CURVE - 50 HZ

EST-6C

**Electric
Scooptram®**



NOTE: The gradeability and speed curves are based on assumed variables;
Use information as a guide and not as a guaranteed statement of performance.

Performance On Grades

Loaded Vehicle	T.E. x 1000 lbs	Empty Vehicle
	247(55)	
	222(50)	
	200(45)	
	178(40)	
	156(35)	
	133(30)	
	111(25)	
35%		35%
30%	89(20)	30%
25%	67(15)	25%
20%	44(10)	20%
15%		15%
10%	22(5)	10%
5%		5%

Add appropriate rolling resistance factor to % grade above. Use the sum to read the graph.

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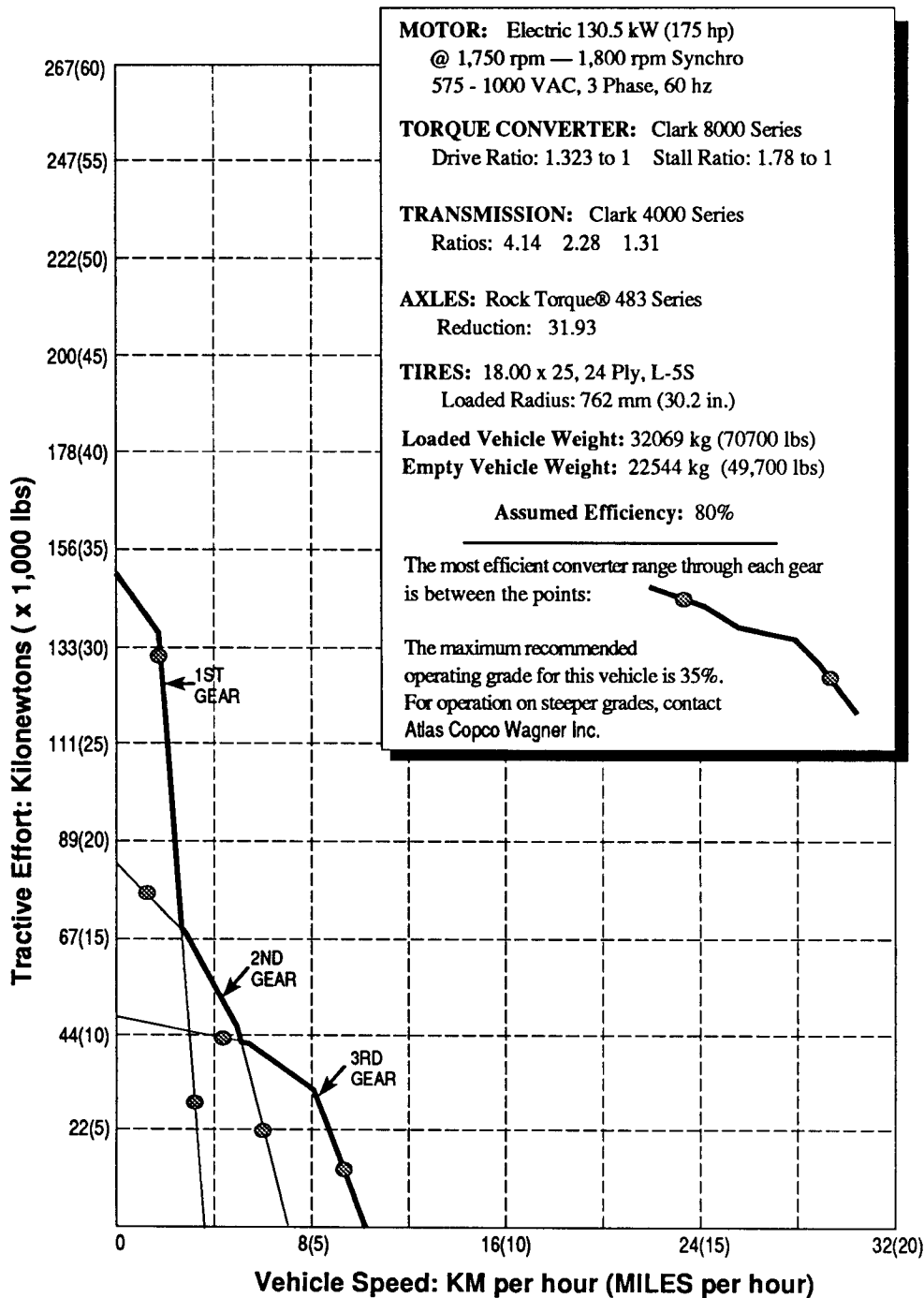
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PERFORMANCE CURVE – 60 HZ

EST-6C

Electric Scooptram®



NOTE: The gradability and speed curves are based on assumed variables;
Use information as a guide and not as a guaranteed statement of performance.

Performance On Grades

Loaded Vehicle	T.E. x 1000 lbs	Empty Vehicle
	247(55)	
	222(50)	
	200(45)	
	178(40)	
	156(35)	
	133(30)	
	111(25)	
35%		35%
30%	89(20)	30%
25%		25%
20%	67(15)	20%
15%		15%
10%	44(10)	10%
5%	22(5)	5%

Add appropriate rolling resistance factor to % grade above. Use the sum to read the graph.

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