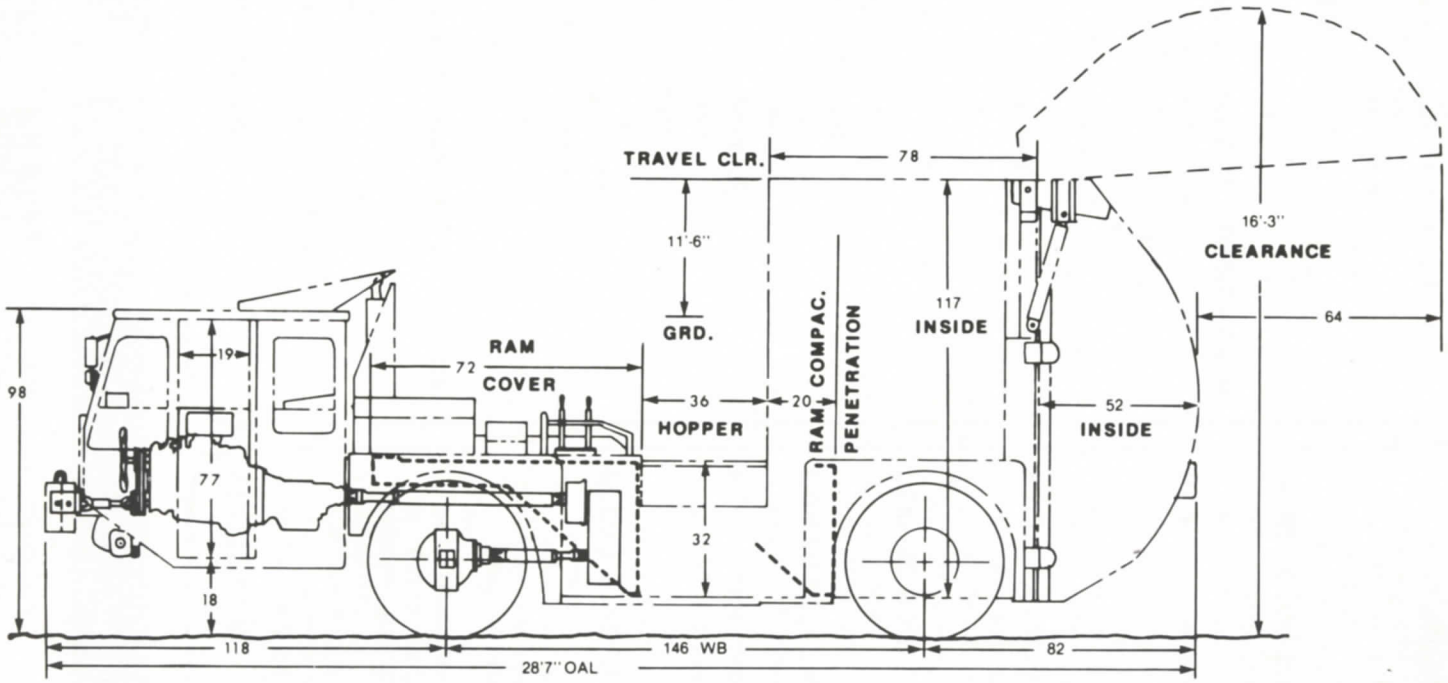
EVO-MAG-20

20 CU. YD. SUPER COMPACTION

ALL DIMENSIONAL DATA SUBJECT TO CHANGE WITHOUT NOTICE



LOADING HOPPER: 32'' DEEP x 50'' WIDE x 36'' LONG — 1¼ CU. YDS. (250 GAL.)
COMPACTOR RAM: 31'' HIGH x 50'' WIDE x 72 '' LONG TOP COVER (FOR RAM STABILITY)
RAM DISPLACEMENT WITH 56'' STROKE IN AUTO CYCLE (1ST STAGE) - 1.9 CU. YDS.
RAM THRUST ON LOAD AT 130,000 LBS. — 12,080 LBS./SQ.FT. (84 LBS./SQ.IN.)
HYD. CYL. STROKE: 1ST STAGE AT 57.2''; 2ND STAGE AT 54.5''; 111.7'' TOTAL

DIESEL ENGINE SPECIFICATIONS

ENGINE SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

CATERPILLAR MODEL 3208-V8		DETROIT 8.2 LITER-V8	
SAE J1349	NATURALLY	SAE J1349	TURBO
STANDARDS	ASPIRATED	CONDITIONS	CHARGED
GROSS HORSEPOWER	210 BHP	GROSS HORSEPOWER	205 BHP
GOVERNED RPM	2,600	GOVERNED RPM	2,800
GROSS TORQUE	500 FT. LBS.	GROSS TORQUE	442 FT. LBS.
@ RPM	@ 1,400	@ RPM	@ 1,700
DISPLACEMENT	636 CID	DISPLACEMENT	500 CID
BORE x STROKE	4.5 x 5.0	BORE x STROKE	4.25 x 4.41

EVO's Modular **"POWER PAK"** consists of a complete engine, radiator and transmission package, all mounted on a separate sub frame that is quickly and easily slid in or out of the main vehicle frame (through the front of the cab). A complete **POWER PAK** change over requires less than eight hours. The **POWER PAK** module is rolled in and out on a castered dolly. This permits all major repairs and rebuilding of engine and transmission to be done under the best of working conditions for the mechanics....with the EVO vehicle back on its routes.

Lodal, Inc.
KINGSFORD, MICHIGAN 49801
U.S. Watts 1-800-435-3500
Mich. Watts 1-800-435-3600

EVO-MAG 20

20 CU. YD. — SUPER COMPACTION
STANDARD SPECIFICATIONS

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VEHICLE WEIGHT RATING

G.V.W. - 39,600 Lbs.

VEHICLE EMPTY WEIGHTS (APPROX.)

Front Axle - 16,600 Lbs.
Rear Axle - 6,600 Lbs.
Total - 23,200 Lbs.

ENGINES AVAILABLE (ENGINE DATA-REVERSE SIDE)

Caterpillar Model 3208-V8-636 CID (N.A.)
Detroit Model 8.2L - 500 CID (Turbo)
Engines on Modular Sub-Frame (Drawer In or Out)

TRANSMISSION (FOUR SPEED AUTOMATIC)

Allison MT643: 3.58, 2.09, 1.39, 1.0 - 5.67 Rev.
Torque Converter - 2.4:1 @ Stall

TRANSFER CASE (ROCKWELL)

Three Helical Gears - Single Speed - 1.0 Ratio

PARK & EMERGENCY BRAKE

12" x 5" Spring Applied - Air Release
Transfer Case Mtd. (Upper Drive Line)

FRONT DRIVE AXLE & SPRINGS

21,000 Lbs. Cap. Rockwell - Hypoid Pinion
Axle Ratios: 6.17:1 or 6.83
Front springs - 12,000 lbs. cap. ea. at pad
4" x 52" - 10 Leaf
Front shock absorbers

ROAD SPEEDS (16.5 x 22.5 TIRES)

56 MPH w/6.17 Ratio @ 2600 RPM Eng.
55 MPH w/6.83 Ratio @ 2800 RPM Eng.

DRIVE LINES

Upper Shaft - Spicer 1710/Glidecoat Spline
Lower Shaft - Spicer 1710/Glidecoat Spline

INDEPENDENT REAR WHEEL SUSPENSION

Single Taper Leaf Spring - 40"L x 3"W
GKN Rear Axle

SERVICE BRAKES (FULL AIR)

Front - Rockwell Stopmaster/Wedge Type
17" Dia. x 6" Wide - Cast Shoes
Rear - GKN S-Cam Type/Automatic Slack Adjusters
15½" Dia. x 8" Wide - Cast Shoes

Air Compressor - Bendix TU-FLO 501, 12 C.F.M.

ELECTRICAL

12 Volt - Negative Ground
Alternator (Delco Remy): 90 Amp.
Brushless; DET. 85 Amp Brush Type (Brushless Optional)
Batteries - 625 CCA Each: CAT - 3 Batteries @ 1,875 CCA; DET. - 2 Batteries @ 1,250 CCA
Wiring Harnesses: 21 Modular Sections inter-connected with
Deutch metal multi-prong sealed interconnectors between each loomed harness. Wiring color coded with hermetically sealed number on each wire. Heat resistant insulation.

FRONT & REAR TIRES & WHEELS (SINGLE)

Front: 16.5 x 22.5 - H16 Flotation Type
Rear: 16.5 x 22.5 - H16 Flotation Type
Pressed Disc Wheels - 12.25 Rim Width - 10 Stud

FUEL TANK (OVER LEFT FRONT WHEEL)

38 Gal. Cap. w/Filter & Water Separator

POWER STEERING-DUAL (HYD. CYL. AT EACH WHEEL)

Two Cyls. - 2¼" Dia. x 10½" Stroke - Direct to Each Wheel. Saginaw (G.M.) Steering Gear

REFUSE BODY - 20 CU. YDS. CAP.

Tailgate - Top Hinged - Self-Locking
Tailgate Hyd. Cyls. - 4" Dia. x 23¼" Stroke
Integrated Body, Hopper & Fwd. Frame

SIDE LOADING HOPPER (MIDSHIP)

1¼ Cu. Yd. Cap. (250 Gal.) Straight Down Sides
32" Deep x 50" Wide x 36" Long
Loading Height - 35" Running Board - 47" Ground
10" Fold-up Bang Board - Left Side Hopper

SIDE RUNNING BOARDS (WITHIN WIDTH OF VEHICLE)

Low Step - 9" to 11" Height - 12"W x 60"L
Skid Resistant Open Tread

COMPACTOR RAM & LOAD EJECTOR

130,000 lb. Compaction Force @ 3,000 PSI
Two Hyd. Cyls. - Two Stage Telescopic
5.25" Dia. 1st Stage - 4.25" Dia. 2nd Stage
Compactor Ram - 50" Wide x 32" Deep with
72" Long Rigid Top Cover for Ram Stability

HYDRAULIC SYSTEM (3,000 PSI OPERATING)

Pump - Gear Type - 30 GPM @ 1400 RPM
Pump Drive - Direct off Front of Engine Crankshaft
Direct PTO Shaft - Spicer 1350
Hyd. Reservoir - 48 Gal. w/Level Site Gauge
Hyd. Control Valve - 2 Spool (Air Oper. Compact Spool)
Push Button Hyd. Compaction Control and Emergency Stop button on each side of hopper and inside cab
Manual Hyd. Control Levers each side hopper

CAB & DRIVING CONTROLS

18" Step-in Height - stand up drive on both sides
Dual Drive - Left & Right Sides
Steering Column Direct to Steering Gear Box on Left Side with precision 4,000 lb. test roller chain transfer drive to right hand steering column
Tilt steering column on left side
Stand up drive both left and right sides with sit down drive left side only
Slide-Away Doors (On inside of cab) on both left and right sides
Cab Door Opening - 19"W (Operator Safety Width) x77"H
Instruments: Front and Rear Axle Air Pressure Gauges, Voltmeter, Fuel, Engine Temp., Transmission Temp., Speedometer, Odometer, Tachometer, Hour Meter, Dual Air Operated Windshield Wipers, Turn Signal Levers (Manual Cancel) on Left and Right Steering Columns