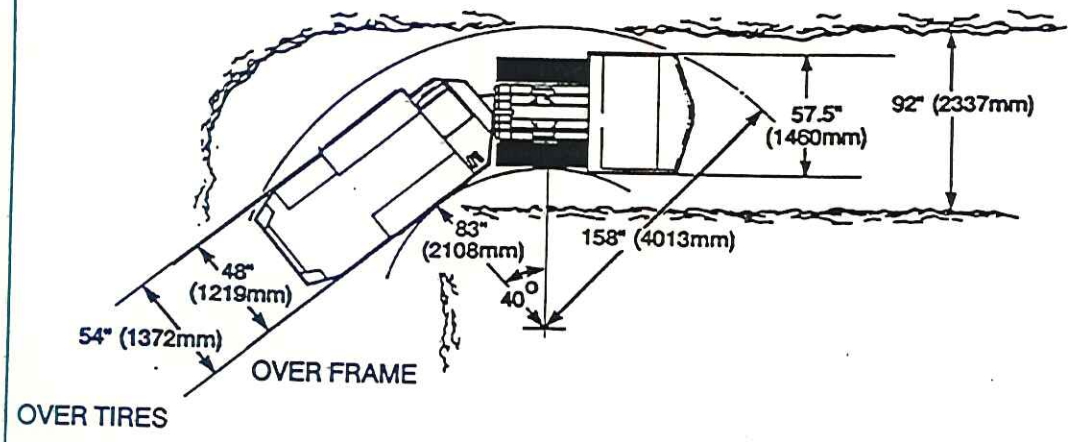
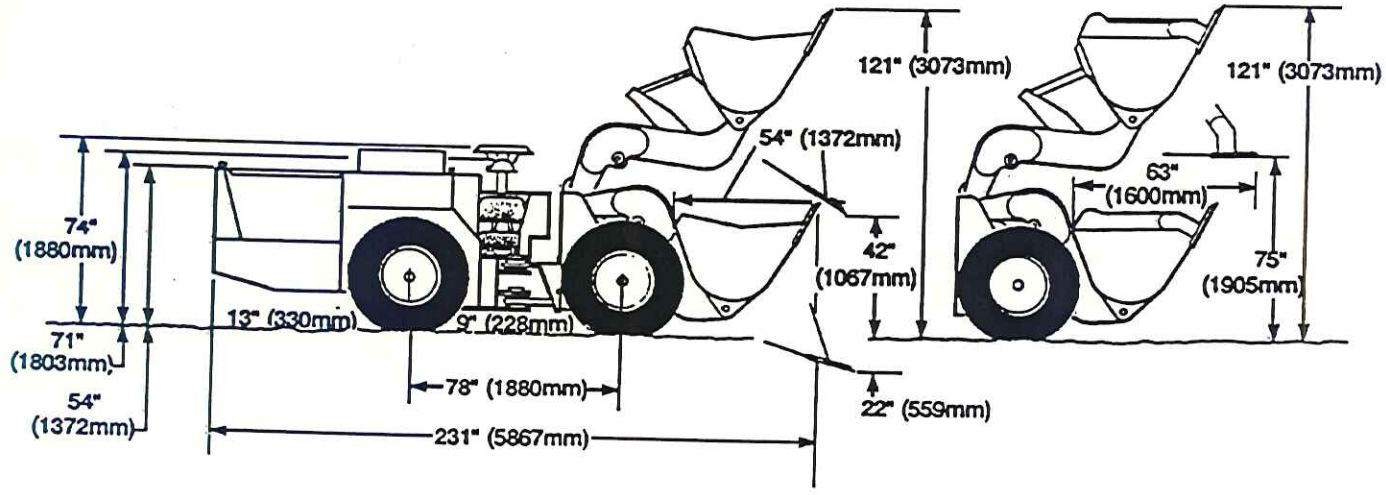
# EIMCO JARVIS CLARK EJC-61D
# SPECIFICATION SHEET (Deutz F6L912W UPGRADE)




MINIMUM OPENING
FOR A 90° TURN
WITHOUT CLEARANCE.




**EIMCO JARVIS CLARK COMPANY LIMITED**
P.O. BOX 5049
4445 FAIRVIEW STREET
BURLINGTON, ONTARIO
CANADA L7R 3Y8

TELEPHONE:(416) 632-4940
TELEX:061-8943
FAX:(416) 639-0876

## CAPACITIES

Payload . . . . . 6,000 lb (2,724 kg)
Standard Bucket . . . . . Rock 56" (1,422 mm) wide
Heaped Capacity (SAE) . . . . . 1.5 $yd^3$ (1.14 $m^3$)
Struck Capacity . . . . . 1.20 $yd^3$ (.91 $m^3$)
Ejector Bucket . . . . . 1.25 $yd^3$ (.96 $m^3$)
Other Buckets Available, Consult Factory
Breakout Force (SAE) . . . . . 8,000 lb (3,636 kg)
Breakout Force (Hydraulic) . . . 9,000 lb (4,000 kg)
Tipping Load, Fully Turned
Carry Position . . . . . 13,000 lb (5,909 kg)
Tractive Effort, Maximum . . . . 9,500 lb (4,310 kg)

## BUCKET MOTION TIMES

Carry to Fully Raised Position . . . . . 6.5 second
Dump . . . . . 3 second

## WEIGHT

Operating (incl. canopy) . . . 12,700 lb (5,759 kg)

## ENGINE

Type . . . . . Diesel, Precombustion, Air Cooled
Make/Model . . . . . Deutz F5L-912FW
Displacement . . . . . 287 $in^3$ (4.7 litre)
MSHA Rating . . . . . .68 hp (51 kw) @ 2300 rpm
. . . . . @ 1000 ft (305 m)
Ventilation, MSHA Specified . . . . . .6,500 cfm
. . . . . (184 $m^3$/min)

**Engine Speeds**
Low Idle . . . . . 625 rpm
High Idle . . . . . 2460 rpm
Governed . . . . . 2300 rpm
Starting Motor Type . . . . . Electric

**Fuel Consumption**
AverageMine Duty . . . . . 2.9 gal/hr (11.0 litre/hr)

**Altitude** . . . . . .55 hp (41 kw) Minimum @ 20°C
Deutz F5L-912FW . . . . . .5,900 ft (1,798 m)
Deutz F5L-912WB . . . . . 15,000 ft (4,573 m)

## INTAKE

**Standard Air Cleaner**
Type . . . . . Oil Bath
Make . . . . . Deutz

## EXHAUST

**Standard Conditioner**
Type . . . . . Catalytic
Make . . . . . Engine Control Systems

## POWER TRAIN

**Transfer Case**
Make/Type . . . . . Clark\Gear Drive
Gear Ratio . . . . . 2.39:1

**Transmission**
Type . . . . . Hydrostatic
Pump Make/Model . . . . . Rexroth AA4V56
Pump Displacement . . . . . 3.42 $in^3$ (.06 litre/rpm)
Motor Make/Model . . . . . Rexroth A6V80
Motor Displacement . . . . . 4.88 $in^3$ (.08 litre/rpm
High Pressure Override . . . . 5900 psi (40.1 MPa)
High Pressure Relief . . . . . 6500 psi (44.8 MPa)

**Axles**
Type . . . . . Full Floating, Double Reduction
Make\Model . . . . . Clark D13550
Differential Make Type/Ratio . . . . . Clark 5.571:1
NoSpin . . . . . Rear Axle Only
Wheel End Ratio . . . . . .4:1
Overall Ratio . . . . . 22.3:1

## WHEELS

Wheel Nut Torque . . . . . 400 lb ft (542 Nm)

## TIRES

**Standard**
Type . . . . . .Tubeless, Michelin Radial XMD2
Size . . . . . 9.00 X 20
Ply Rating . . . . . 12 Ply
Inflation Pressure . . . . . 75 psi (517 kPa)

## HYDRAULIC SYSTEM

**Circuits**
Strg/Brake Circuit Open Centre 2200 psi (15.2 MPa)
Bucket/Lift Circuit Open Centre 2200 psi (15.2 MPa)
Applicable Fluids . . . . . Mineral Oil
. . . . . & 60/40 Invert Emulsion
Supply . . . . . Sealed and Pressurized Tank

**Filtration**
Suction (Hydrostatic) . . . . . 10 Micron
Return (Main) . . . In Tank, 10 Micron Replaceable
Suction(Main)100 Mesh Strainer, Magnetic Washable

**Pumps**
Steering/Park Brake
Type . . . . . Vane
Make . . . . . Vickers
Output @ 2300 Engine rpm 8 gpm (30.2 litre/min)
Bucket
Type . . . . . Vane
Make . . . . . Vickers
Output @ 2300 Engine rpm 17 gpm (64.3 litre/min)

**Cylinders Type**
Double Acting, "V" Style Piston and "U" Cup Style Rod Packing.
Rods Case Hardened and Hard Chromed
Bore X Stroke X Rod Diameter:
Steering (1) . 3.5 X 10.6 X 1.75" (89 X 269 X 44mm)
Lift (2) . . . . . 4.0 X 16.6 X 2" (102 X 421 X 51mm)
Dump (1) . . . . . 6 X 12 X 3.5" (152 X 305 X 89mm)
Ejector (1) . . 4.0 X 9.5 X 2.5" (102 X 241 X 64mm)

**Steering System**
Control Valve . . . . . Open Centre
Actuation . . . . . Stick Direct
Cylinder Relief . . . . . 2500 psi (17.2 MPa)

**Bucket System**
Control Valve . . . . . Open Centre
Actuation . . . . . Stick Direct
Cylinder Reliefs . . . . . 2500 psi (17.2 MPa)

**Park Brake System**
Control Valve . . . . . 3 Way
Actuation . . . . . Push Button
Release Pressure . . . . . .900 psi (6.2 MPa)
Accumulator
Type . . . . . Bladder, Nitrogen Charged
Quantity/Capacity . . . . . .(1) @ 1.0 qt (.95 litre)
Precharge Pressure . . . . . .900 psi (6.2 MPa)

## STEERING

Type . . . . . Centre-articulated, Hydraulic with Accumulator Reserve

## SERVICE BRAKES

Type . . . . . Dynamic braking through hydrostatic transmission

## PARK BRAKE

Type . . . . . Disc
Make . . . . . Mico
Application . Spring Applied, Hydraulically Released
Location . . . . . Front Driveline

## ARTICULATION/OSCILLATION

Joint Type . . . . .3 Point Suspension Bar Linkage
Articulation . . . . . 40° Either Side
Oscillation . . . . . 8° Up and Down
Bearing Type and Material
. . . . . Speherical Self Aligning Hardened Steel
Pin Material . . . . . Hardened Steel
Bearing Size . . . . . 3" (76 mm) Bore

## SEATING

Type . . . . . Cross Seated

## CANOPY (Optional)

Type . . . . . MSHA, ROPS and FOPS

## ELECTRICAL SYSTEM

Voltage . . . . . 24
Polarity . . . . . Negative Ground
Alternator Make/Model . . . . . Motorola
Alternator Rating . . . . . 35 amp
Batteries
Quantity . . . . . 2 in series
Type . . . . . 12 Volt
Capacity at 0° F ,Cranking . . . . . 455 amp
Lights . . . . . 2 front, 2 rear

## SERVICE CAPACITIES

Hydraulic Tank . . . . . 28 gal (114 litre)
Transmission . . . . Common with Hydraulic Tank
Axle . . . . . 2 gal (7.6 litre)
Transfer Case . . . . . 2 qt (1.9 litre)
Fuel Tank . . . . . 18 gal (68 litre)
Engine Crankcase . . . . . 3 gal (11.4 litre)

## CAGING DIMENSIONS AND WEIGHTS

**Front Section**
Dimensions . . . . . 82 X 58 X 61"
. . . . . (2,083 X 1,219 X 1,312 mm)
Weight . . . . . 4,100 lb (1,864 kg)
**Front Section without Wheels and Bucket**
Dimensions . . . . . 82 X 48 X 52"
. . . . . (2,083 X 1,219 X 1,312 mm)
Weight . . . . . 2,700 lb (1,227 kg)
**Rear Section**
Dimensions . . . . . 115 X 54 X 75"
. . . . . (2,921 X 1,371 X 1,905 mm)
Weight . . . . . 8,600 lb (3,909 kg)
**Rear Section Without Wheels and Canopy**
Dimensions . . . . . 115 X 48 X 46"
. . . . . (2,921 X 1,219 1,168 mm)
Weight . . . . . 7,800 lb (3,545 kg)
**Bucket**
Dimensions . . . . . 53 X 58 X 43"
. . . . . (1,346 X 1,473 X 1,092 mm)
Weight . . . . . 1,100 lb (500 kg)
**Axle Assembly**
Dimensions 48 X 20 X 16" ( 1,219 X 508 X 406 mm)
Weight . . . . . 750 lb (340 kg)

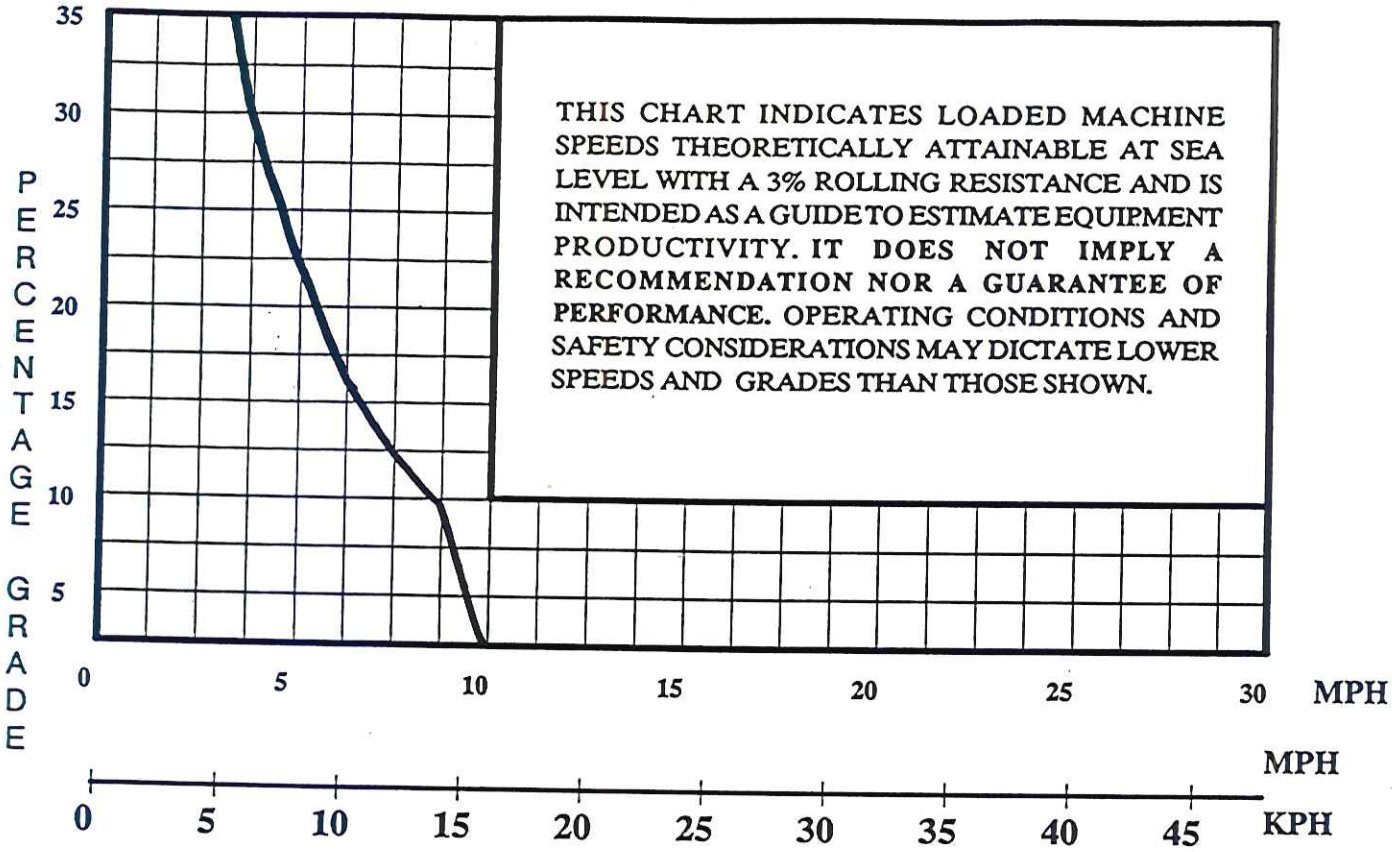
**WARNING !**

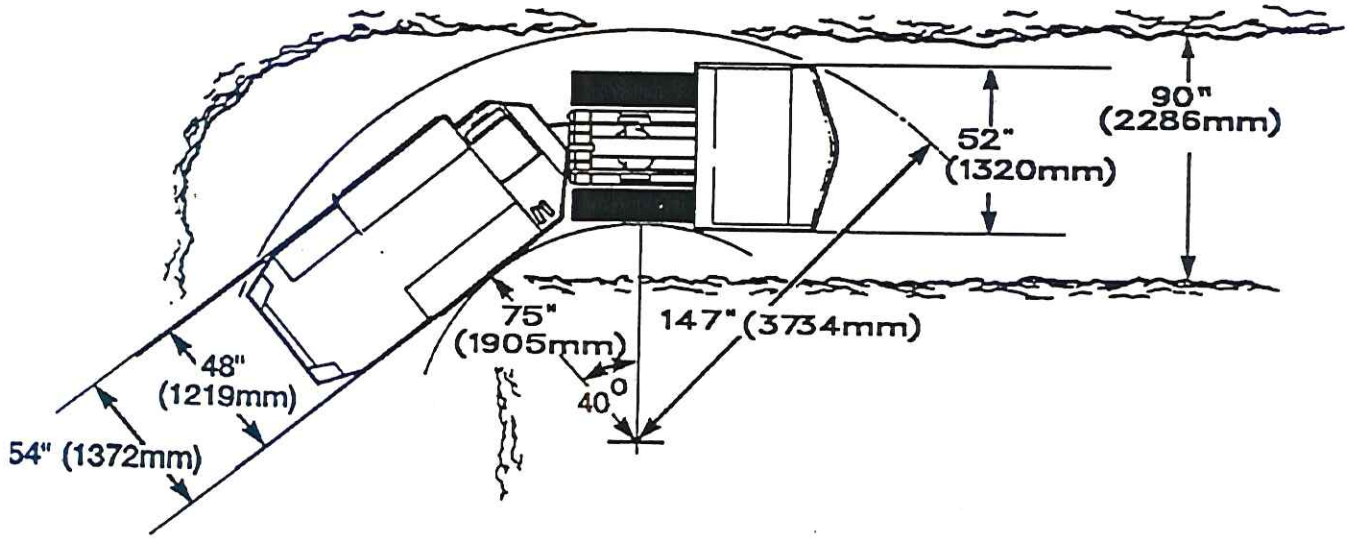
Overloading of slinging equipment could cause personal injury, death or property damage. Due to configuration or options, these weights can vary up to 20%. Manufacturer recommends the minimum slinging capacity required by government regulation, safety practices or laws at the customer's location.

Removal of a protective structure could cause serious injury or death. Replacement with correctly torqued grade 8 fasteners is mandatory.

**Note : All Gallons U.S.**

# EJC 60 : GRADABILITY GRAPH




EJC 60D LHD - NARROW VERSION SPECIFICATIONS