**EQUIPMENT NAME: DUMP TRUCK**

**USE: SOLID WASTE COLLECTION**

**1. MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| Engine | |
| Number of Cylinders / Displacement (cm³) | 4 cyl / 4580 |
| Net Power Max - cv (kw) @ rpm | 186 (137) @ 2400 |
| Torque Líq. Máx. - Nm @ rpm | 700 @ 1100 – 1600 rpm |
| Injection system | Common rail |
| Emission standard | EURO 5 |
| Transmission | |
| Type / Drive | Manual override / cable |
| No. of Gears | 6 forward (synchronized) and 1 reverse |
| Traction system | 4 x 2 |
| **Suspension** | |
| Front | Double stage semi-elliptical spring, Hydraulic shock absorbers double acting telescopic Stabilizer bar |
| Rear | Driving rigid axle, semi-elliptical spring with progressive action, auxillary parabolic spring, telescopic hydraulic shock absorbers double action and optional Stabilizer bar |
| **Brake** | |
| Service brake | Air, front and rear drums, with ABS + EBD + ATC |
| Type / Circuit | S-came / double, independent, air reservoirs air dryer with coalescing filter |
| **Electrical system** | |
| Rated Voltage | 24V |
| Auxillary socket for 12 volts | Standard |
| Cab battery est. / bed | 2 x (12V - 100Ah) |
| Alternator | 80A - 28V |
| **Supply Volume** | |
| Fuel | 275 L |
| **Performance** | |
| Rear axle ratio | 4.10 / 5.72:1 |
| Maximum Speed (km/h) | 113 |
| Gradeability @ GVW (%) | 49 |
| Startability @ GVW (%) | 39 |
| **8 m3 HOPPER** | |
| Material | A36 carbon steel |
| Sides | thickness of 3.00 mm |
| Floor | non-slip thickness of 3.20 mm |
| Front parapet | thickness of 4.00 mm |
| Welding | MIG/MAG 1.0 |
| Paint | Anticorrosive base, synthetic enamel final finish |

**EQUIPMENT NAME: 3" WATER PUMP**

**USE: SOLID WASTE COLLECTION**

1. **MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| PUMP | |
| Water Pump Type | De-watering, general purpose |
| Pump | Centrifugal |
| Type | Self-priming |
| Suction Port Diameter | 80 mm (3 in.) |
| Discharge Port Diameter | 80 mm (3 in.) |
| Litres Per Minute | 1,100 |
| Imp. Gal. Per Minute | 242 |
| Litres Per Hour | 66,000 |
| Imp. Gal. Per Hour | 14,520 |
| Total Head | 23 m (75.9 ft.) |
| Suction Head (Total Lift.) | 7.5 m (24.6 ft.) |
| Priming Time @ 5 m (16.4 ft.) | 150 seconds |
| Pump Body | Aluminum |
| Impeller | Cast iron |
| Drive Unit Type | Direct coupled/ mechanical seal |
| Frame Type | Full frame |
| **ENGINE** | |
| Engine Type | 4-stroke, single cylinder |
| Displacement | 163 cc (9.95 CID) |
| Lubrication System | Forced spray |
| Governor | Mechanical centrifugal |
| Starting System | Recoil starter |
| Fuel Tank Capacity | 3.1 L (0.68 Imp. gal.) |
| Oil Alert | Standard |

**EQUIPMENT NAME: 4" WASTEWATER PUMP**

**USE: SANITARY LANDFIL**

1. **MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| Pump | |
| Gallons Per Minute | 580 Gallons |
| Inlet Diameter | 4 Inch |
| Outlet Diameter | 4 Inch |
| Self Priming | Yes |
| Pump Head Material | Aluminum |
| Pump Housing Drain | Yes |
| Quick Clean Out | Yes |
| Mechanical Seal Material | Silicon Carbide |
| Impeller Material | Cast Iron |
| Solids Handling Size | 1 inch |
| Handles Solids | Yes |
| Suction Head | 26 Feet |
| Maximum PSI | 38 |
| Total Head Lift | 95 Feet |
| Submersible | No |
| **Engine** | |
| Starting System | Recoil Start |
| Low Oil Shutdown | Yes |
| Engine Cycles | 4-Cycle |
| Continuous Operation | Yes |
| CC | 389 cc |
| Fuel Tank Size | 1.8 Gallons |
| Aluminum Pump Housing & Cast Iron Impeller Extends the life of the pump | |

**EQUIPMENT NAME: VIBRATING PLATE**

**USE: SANITARY LANDFIL**

1. **MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| Characteristics | |
| Centrifugal force | 3,372 lbf |
| Area capacity | 9,364.7 ft2/h |
| Forward Running | 1.6 fps |
| Gradeability | 36.40% |
| Length Baseplate | 22.9 " |
| Width | 19.7 " |
| Width Baseplate | 19.7 " |
| Height | 37.9 " |
| Height Cover frame | 21.7 " |
| Thickness Baseplate | 0.4 " |
| Operating weight | 216.1 lb |
| Ground clearance | 21.7 " |
| Effective power | 4.8 hp |
| Nominal Engine speed | 3,600 1/min |
| HAV summation (average value) | 19.4 ft/s2 |
| HAV summation (Standard) | EN 500-4  Principio del formulario  Final del formulario |

**EQUIPMENT NAME: MOTORCYCLE**

**USE: SANITARY LANDFIL**

1. **MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| Characteristics | |
| Engine Type | 4-stroke, 1-cylinder, air-cooled, SOHC |
| Engine Displacement | 199 cm3 (12.1 cu. in) |
| Bore x Stroke | 66.0 mm x 58.2 mm (2.6 in x 2.3 in) |
| Transmission | 5-speed constant mesh |
| Overall Length | 2,220 mm (87.4 in) |
| Overall Width | 940 mm (37.0 in) |
| Overall Height | 1,185 mm (46.7 in) |
| Wheelbase | 1,405 mm (55.3 in) |
| Ground Clearance | 260 mm (10.2 in) |
| Seat Height | 850 mm (33.5 in) |
| Curb Mass | 132 kg (291 lbs) |
| Suspension Front | Telescopic, coil spring, oil damped |
| Suspension Rear | Link type, coil spring, oil damped |
| Brakes Front | Disc |
| Brakes Rear | Drum |
| Tires Front | 70/100-21 44M, tube type |
| Tires Rear | 90/100-18 54M, tube type |
| Fuel Tank Capacity | 13.0 L (3.4/2.9 US/Imp gal) |

**EQUIPMENT NAME: HYDRAULIC PRESS FOR RECYCLABLE WASTE**

**USE: RECYCLING CENTER**

1. **MINIMUM TECHNICAL SPECIFICATIONS**

|  |  |
| --- | --- |
| Characteristics | |
| Pressing Force | 4 t |
| Loading Window Size | 700x470 mm |
| Bale Size | 675x520x690 mm |
| Bale Weight | up to 50 kg |
| Pressing Cycle Duration | 27 seconds |
| Press Dimensions | 780×2380×800 mm |
| Basic Equipment | Press, hydraulic cylinders, oil station |
| Material | Profiled metal |
| Noise level | >80 dB |
| Reinforced frame | Yes |
| Control panel | Stationary |