

Road Sweeper



Vacuum Jetting



Garbage Compactor



Arm Roll



ROAD SWEEPER

VACUUM JETTING

SKY LIFT

GARBAGE COMPACTOR

ARM ROLL & DUMP TRUCK

WATER SUPPLY



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Road Sweeper



Garbage Compactor

| Road Sweeper                                                                                                 | 4 m³ Vacuum Sweeper            | 6 m³ Vacuum Sweeper            | 6 m³ Regenerative Sweeper      |
|--------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Chassis Information                                                                                          |                                |                                |                                |
| Chassis                                                                                                      | Hino Dutro 136 HDX / Equiv.    | Hino Ranger FG260JK / Equiv.   | Hino Ranger FG260JJ / Equiv.   |
| Wheelbase                                                                                                    | 3,300 - 3,500 mm (4x2)         | 3,600 - 3,900 mm (4x2)         | 3,600 - 3,900 mm (4x2)         |
| GVW                                                                                                          | Min. 7 tons                    | Min. 16 tons                   | Min. 16 tons                   |
| General Information                                                                                          |                                |                                |                                |
| Model                                                                                                        | KVS4                           | RSB 6000                       | RSR 6000 S                     |
| Hopper Payload Capacity                                                                                      | 4 m³                           | 6 m³                           | 6 m³                           |
|                                                                                                              | Stainless Steel (SS 304 & 409) | Stainless Steel (SS 304 & 409) | Stainless Steel (SS 304 & 409) |
| Tangki Air                                                                                                   | 1,100 lt.                      | 1,000 lt.                      | 1,000 lt.                      |
|                                                                                                              | Stainless Steel (AISI304)      | Polyethylene                   | Polyethylene                   |
| Overall Sweeping Width                                                                                       | 2,150 mm                       | 3,000 mm (2,200 One Brooms)    | 3,300 mm (2,700 One Brooms)    |
| Broom Side Brush                                                                                             | Ø 320 mm (Steel / Nylon)       | Ø 600 - 700 mm (Steel / Nylon) | Ø 1,000 mm (Steel / Nylon)     |
| Suction Diameter x Width                                                                                     | Ø 400 mm x 1.300 mm            | Ø 250 mm x (2 x 750) mm        | Ø 350 x 2,030 mm               |
| Auxiliary Engine                                                                                             |                                |                                |                                |
| Model                                                                                                        | Perkins 404J-E22T              | Ashok Leyland ALHT4CTIC3       | Ashok Leyland ALHT4CTIC3       |
| Tenaga                                                                                                       | 74 hp @2,800 RPM               | 101 HP @2,200 RPM              | 101 HP @2,200 RPM              |
| Fitur Utama                                                                                                  |                                |                                |                                |
| Shaker hopper berfungsi menghasilkan getaran pada lantai hopper untuk membantu pembuangan lumpur dan kotoran |                                |                                |                                |
| Selang vacuum belakang dengan panjang 5 mtr                                                                  |                                |                                |                                |
| Sistem pencucian tekanan tinggi (20 lt / 100 bar) dengan pistol cuci dan selang cuci 10 mtr                  |                                |                                |                                |
| Optional*                                                                                                    |                                |                                |                                |
| Kecepatan sikat samping dengan variabel yang dapat disesuaikan                                               |                                |                                |                                |
| Magnet depan / sikat ke-3 / sikat ganda di depan / penyemprot untuk mencuci jalan                            |                                |                                |                                |
| Tangki air tambahan 2,000 lt. (disesuaikan dengan chassis)                                                   |                                |                                |                                |



| Garbage Compactor   | 6 m³ (SE-GC6)                       | 10 m³ (SE-GC10)              |
|---------------------|-------------------------------------|------------------------------|
| Chassis Information |                                     |                              |
| Chassis             | Hino Dutro 136 HDX / Equiv.         | Hino Ranger FG260JJ / Equiv. |
| W heelbase          | 3,300 - 3,500 mm (4x2)              | 3,600 - 3,900 mm (4x2)       |
| GVW                 | Min. 7 tons                         | Min. 15 tons                 |
| General Information |                                     |                              |
| Kapasitas           | 6 m³                                | 10 m³                        |
| Rasio Pemadatan     | 1:5                                 | 1:5                          |
| Hopper Capacity     | 1 m³                                | 1 m³                         |
| Dirty Water Tank    | 100 lt.                             | 100 lt.                      |
| Hopper Material     | 3-4 mm ST-52                        |                              |
| Sistem Pemadatan    | Mechanic, Semi-automatic, Automatic |                              |

## Arm Roll Truck + Container Bin



| Arm Roll                         | 6 m³ (SE-AR6)                | 10 m³ (SE-AR10)              |
|----------------------------------|------------------------------|------------------------------|
| Chassis Information              |                              |                              |
| Chassis                          | Hino Dutro 136 HDX / Equiv.  | Hino Ranger FG260JJ / Equiv. |
| Wheelbase                        | 3,300 - 3,500 mm (4x2)       | 3,600 - 3,900 mm (4x2)       |
| GVW                              | Min. 7 tons                  | Min. 15 tons                 |
| General Specifications           |                              |                              |
| Type                             | Tilting System               |                              |
| Tipping Angle (degree)           | 45° Unloading                |                              |
| Operation Pressure               | 200 bar                      |                              |
| Operation Time, Theoretical (s)* | 30–35 s                      |                              |
| System Control                   | Manual Control Valve         |                              |
| Power Take Off (PTO)             | STD Transmission Chassis     |                              |
| Container Bin                    |                              |                              |
| Kapasitas                        | 6 m³                         | 10 m³                        |
| Material                         | Mild Steel / Stainless Steel |                              |
| Bak Container                    | Terbuka / Tertutup           |                              |

Container Bin Mild Steel



Container Bin Stainless



## Dump Truck

| Dump Truck          |                              | 6 & 7m3 | 10 - 12 m3                  |
|---------------------|------------------------------|---------|-----------------------------|
| Chassis Information |                              |         |                             |
| Chassis             | Hino Dutro 136 HDX / Equiv   |         | Hino Ranger FG260JJ / Equiv |
| Wheelbase           | 3,380 mm (4x2)               |         | 4,330 mm (4x2)              |
| Berat Kosong        | 2,410 kg                     |         | 5,520 kg                    |
| GVW                 | 8,600 kg                     |         | 16,000 kg                   |
| Dump Truck Material | Mild Steel / Stainless Steel |         |                             |
| Hydraulic           |                              |         |                             |
| Type                | Single Acting                |         | Single Acting               |
| Rod- Boom           | 70-160                       |         | 100-200                     |
| Kapasitas           | 15 T                         |         | 25 T                        |



## Sky Lift Truck



Sky Lift 14 m



Sky Lift 8 m



Sky Lift 20 m



| Sky Lift              | ST 8 m                  | ST 10 m                    | ST 12/14 m            | ST 16/18 m            |
|-----------------------|-------------------------|----------------------------|-----------------------|-----------------------|
| Chassis Information   |                         |                            |                       |                       |
| Chassis               | Isuzu Traga / Equiv.    | Hino Dutro 115 SD / Equiv. | Hino Dutro 136 HDX    | Hino Dutro 136 HDL    |
| Wheelbase             | 2,250 mm                | 2,530 mm                   | 3,380 mm              | 4,000 mm              |
| GVW                   | 2,950 kg                | 5,400 kg                   | 8,600 kg              | 8,600 kg              |
| Technical Information |                         |                            |                       |                       |
| Working Height        | 8 m                     | 10 m                       | 12 / 14 m             | 16 / 18 m             |
| Working Load          | 150 kg                  | 150 kg                     | 200 kg                | 200 kg                |
| Slewing Angle         | ±360 (Non Continuous)   | ±360 (Non Continuous)      | ±360 (Non Continuous) | ±360 (Non Continuous) |
| Boom Type             | Telescopic Boom         | Telescopic Boom            | Telescopic Boom       | Telescopic Boom       |
| Boom Section          | 3                       | 3                          | 3                     | 3                     |
| Power Source          | Power Pack              | Side PTO                   | Side PTO              | Side PTO              |
| Jack Stand            | 4 pcs                   | 4 pcs                      | 4 pcs                 | 4 pcs                 |
| Controls Type         | Manual Hydraulic Levers |                            |                       |                       |

## Water Supply Truck

| Water Supply Truck  |                              |                     |
|---------------------|------------------------------|---------------------|
| Chassis Information |                              |                     |
| Chassis             | Hino Dutro 136 HDX           | Hino Ranger FG260JJ |
| W heelbase          | 3,380 mm (4x2)               | 4,330 mm (4x2)      |
| Berat Kosong        | 2,410 kg 8,600 kg            | 5,520 kg            |
| GVW                 |                              | 16,000 kg           |
| Tangki Air          |                              |                     |
| Water Tank Capacity | 3,000 - 5,000 lt.            | 8,000 - 10,000 lt.  |
| Water Tank Material | Mild Steel / Stainless Steel |                     |
| Pompa Air           |                              |                     |
| Model               | W T-7HP-G                    |                     |
| Inlet / Outlet Size | 3 inch                       |                     |
| Engine Fuel Type    | Gasoline                     |                     |
| Fuel Tank Capacity  | 3.6 lt.                      |                     |
| Max Power           | 5.3 kW / 7.0 HP              |                     |
| Suction Height      | 0–8 m                        |                     |
| Pump Lift (Head)    | 30 m                         |                     |
| Flux (Flow Rate)    | 60 m³/h                      |                     |
| Starting System     | Recoil                       |                     |



## Vacuum Jetting

| Vacuum Jetting              | Medium (SE-KVJM)                       | Large (SE-KVJL)              |
|-----------------------------|----------------------------------------|------------------------------|
| Chassis Information         |                                        |                              |
| Chassis                     | Hino Dutro 136 HDX / Equiv.            | Hino Ranger FG260JJ / Equiv. |
| Wheelbase                   | 3,300 - 3,500 mm (4x2)                 | 3,600 - 3,900 mm (4x2)       |
| GVW                         | Min. 7 tons                            | Min. 15 tons                 |
| General Information         |                                        |                              |
| Water Tank                  | 1,000 lt.                              | 3,000 lt.                    |
| Vacuum Tank                 | 3,000 lt.                              | 5,000 lt.                    |
| Vacuum Tank Material        | ST-37, 304 & 316Cr - Ni                |                              |
| Clean Water Tank Material   | 304 & 316Cr - Ni                       |                              |
| Dirty Water Suction Valve   | 4"-6"                                  |                              |
| Disty Water Discharge Valve | 4"-6"                                  |                              |
| BOM Hose System             | 4"-6" (Optional)                       |                              |
| Tailgate                    | Hydraulic                              |                              |
| Suction Pump Capacity       | 1.500m3 /h - 9.000m3/h                 |                              |
| Suction Pump Stimulation    | PTO / Intermediate Gearbox . Auxiliary |                              |
| Water Pump                  | 100 - 250 bar                          |                              |
| Pump Flowrate Pressure      | 150lt./dk. - 425lt./dkn.               |                              |
| Regulator                   | Pneumatic                              |                              |
| Hose Reel                   | Hydraulic 80mt - 120 mt (Hose Length)  |                              |
| Jetting Reel                | 20mt. - 60 mt.                         |                              |



## Motor Bak Sampah

| Motor 3 Roda             | Bak Sampah Tertutup                                                    | Bak Sampah Terbuka                                                       |
|--------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Mesin                    |                                                                        |                                                                          |
| Type Mesin               | 4 Langkah SOHC                                                         | 4 Langkah SOHC                                                           |
| Tipe Pendingin           | Water Cooler Radiator                                                  | Water Cooler Radiator                                                    |
| Diameter x Langkah       | 63.5 x 62.2 mm                                                         | 63.5 x 62.2 mm                                                           |
| Kopling                  | Manual. Multiple Wet Clutch                                            | Manual. Multiple Wet Clutch                                              |
| Pengoperasian Transmisi  | N-1-2-3-4-5 + R                                                        | N-1-2-3-4-5 + R                                                          |
| Sistem Pengapian         | CDI                                                                    | CDI                                                                      |
| Rangka                   |                                                                        |                                                                          |
| Tipe Suspensi Depan      | Teleskopik                                                             | Teleskopik                                                               |
| Tipe Suspensi Belakang   | Pegas daun + pegas spiral                                              | Pegas daun + pegas spiral                                                |
| Rem Depan   Belakang     | Tromol   Tromol R/L                                                    | Tromol   Tromol                                                          |
| Ukuran Ban               | 5.00-12                                                                | 5.00-12                                                                  |
| Dimensi                  |                                                                        |                                                                          |
| P x L x T                | 3400 x 1300 x 1550 mm                                                  | 3400 x 1300 x 1600 mm                                                    |
| Berat Kosong             | 510 Kg                                                                 | 405 Kg                                                                   |
| Kapasitas                |                                                                        |                                                                          |
| Kapasitas Tangki         | 18 Liter                                                               | 18 Liter                                                                 |
| Kapasitas Silinder       | 200 cc                                                                 | 200 cc                                                                   |
| Kapasitas Minyak Pelumas | 1.5 Liter                                                              | 1.5 Liter                                                                |
| Daya Angkut              | 800 Kg                                                                 | 800 Kg                                                                   |
| Carrier                  |                                                                        |                                                                          |
| P x L x T                | 1800 x 1300 x 1000 mm                                                  | 1800 x 1300 x 1000 mm                                                    |
| Material                 | Mild Steel Plate, Rangka Pipa Hollow, Pintu model kupu-kupu + Hidrolik | Mild Steel Plate, Rangka Pipa Hollow, Pintu model kupu-kupu + Gas Spring |

Bak Sampah Tertutup



Bak Sampah Terbuka



## Waste Bin Solutions

Plastic Dust Bin

| Volume           | Lebar  | Dalam  | Tinggi |
|------------------|--------|--------|--------|
| 1,100 lt. - HDPE | 136 cm | 106 cm | 137 cm |
| 660 lt. - HDPE   | 126 cm | 76 cm  | 123 cm |
| 240 lt. - HDPE   | 70 cm  | 56 cm  | 100 cm |
| 120 lt. - HDPE   | 57 cm  | 48 cm  | 95 cm  |

Waste Sorting Unit



120 lt.



240 lt.



660 lt.



1,100 lt.

