

OLIVIER CITY CLEANER



July 2008



General terms of delivery and payment for construction machinery (AGB)

Price basis	The quoted prices are net prices excluding taxes, duties, fees etc. and to be understood for delivery FOB Shanghai (INCOTERMS 2000)
Delivery time	Approx. 2 to 3 month ex works from receipt of commercially and technically clarified written order. Subject to prior sale
Terms of Payment	Down payment 30% of contract value (FOB) plus 100% of shipping costs. 70% of contract value (FOB) by irrevocable, transferable and confirmed Letter of Credit to be opened in favour of OLIVIER AG, CH-6300 Zug on date of order and advised through a bank, which will be named by the supplier. The Letter of Credit shall be payable against shipping documents plus 3% (three percent) interest. Alternatively: 100% (one hundred percent) advance payment plus shipping costs, in accordance to our AGB.
Technical data	Subject to changes without prior notice
Warranty conditions	1 year or 1000 operating hours, whatever occurs first. OLIVIER / Zoomlion warrants against design and manufacturing faults, material deficiencies, etc. parts subject to wear and tear are excluded. Consequential damage: Neither contractor nor purchaser shall be liable to each other for loss of production, loss of profit, loss of use or any other indirect or consequential damage or the payment of punitive damages, whether or not caused by negligence and irrespective of by whomsoever caused.
Validity of offer	30 days from date of offer. Deviations from the above mentioned conditions require written confirmation.

**We hope that our catalog meets your requirements.
If you need any further information please do not hesitate to contact us.**

With kind regards

OLIVIER GROUP



ZRJ5070ZYS Compression Refuse Collector



Feature: The new generation compression refuse collector of Chinese Standard Brand based on the experiences of many inland or overseas manufacturers is mainly used in collecting and transporting the scattering refuse of the urban area, community, factory, schoolyard. Original and patented “Bin tipping mechanism, Bucket tipping mechanism, Bucket raising mechanism” can satisfy the different refuse collecting way of various customer. With the patented rear package compression and biaxial compression technology, the load weight is higher than 8000kg, the compression ratio can reach 1:2.5, which reach the international advanced level. The refined appearance, the fully sealed truck body, the sealed door of the truck body is able to prevent the sewage from leaking during transporting so that secondary pollution is avoided. The imported hydraulic units are of the best quality with convenience and reliability. Automatic reverse unloading, clean and quickly.

- Collecting refuse in sealed condition, equipping with waste water tank, preventing re-pollution.
- Substantial truss structure, payload distributed appropriately in hopper lip, no deformation.
- Electrical pneumatic hydraulic co-control solving the problem of the connecting between electrical system and hydraulic system, prevent the hitch arose from the hydraulic valve spool blocking, improving the efficiency.
- Lift security circuit preventing tailgate dropping down when oil pipes broke down, improving the security.
- Automatic and manual operating control, improving operation reliability
- Automatic controlled throttle and hydraulic safety valves, avoiding power wastage, lower oil consumption.

Detailed Product Description

Item	Technical Data	Options	
Model	ZLJ5070ZYS	Bin tipping mechanism A1	
Overall Dimension	6815×2462×3250	Standard metal rubbish bin	0.3 m ³
Chassis Model	NKR77LLPACJAY(ISUZU)	Bin tipping mechanism A2	
Engine Model	4KH1-TC	Metal bucket	0.8 m ³
Engine Power(Kw/ prm)	96/3600	Bin tipping mechanism A3	
Exhaust Emission Standard	EURO III	Plastic rubbish bin	0.24 m ³
Load Weight	2900	Bucket tipping mechanism B	
GVW	7300	Special covering bucket	1.4 m ³
Cab Configuration	With Air-conditioning	Bucket raising mechanism C	
Container Volume	6.6m ³	Big rubbish bucket	3.35 m ³
Tailgate Hopper Capacity	0.8 m ³	Max. traveling speed	90Km/h
One Operating Cycle Time	≤22	Max.Gradeability	°

ZLJ5080ZYS Compression Refuse Collector



Feature: The new generation compression refuse collector of Chinese Standard Brand based on the experiences of many inland or overseas manufacturers is mainly used in collecting and transporting the scattering refuse of the urban area, community, factory, schoolyard. Original and patented “Bin tipping mechanism, Bucket tipping mechanism, Bucket raising mechanism” can satisfy the different refuse collecting way of various customer. With the patented rear package compression and biaxial compression technology, the load weight is higher than 3000kg, the compression ratio can reach 1:2.5, which reach the international advanced level. The refined appearance, the fully sealed truck body, the sealed door of the truck body is able to prevent the sewage from leaking during transporting so that secondary pollution is avoided. The imported hydraulic units are of the best quality with convenience and reliability. Automatic reverse unloading, clean and quickly.

- Collecting refuse in sealed condition, equipping with waste water tank, preventing re-pollution.
- Substantial truss structure, payload distributed appropriately in hopper lip, no deformation.
- Electrical pneumatic hydraulic co-control solving the problem of the connecting between electrical system and hydraulic system, prevent the hitch arose from the hydraulic valve spool blocking, improving the efficiency.
- Lift security circuit preventing tailgate dropping down when oil pipes broke down, improving the security.
- Automatic and manual operating control, improving operation reliability
- Automatic controlled throttle and hydraulic safety valves, avoiding power wastage, lower oil consumption.

Detailed Product Description

Item	Technical Data
Model	ZRJ5080ZYS
Overall Dimension	6163×2150×2395
Chassis Model	EQ3081TJA
Engine Model	CY4102BZLQ
Engine Power	88kw/1800rpm
Wheel base	3100mm
Min Turning Radius	17m
Container Volume	6.6 m ³
Tailgate Hopper Capacity	0.8 m ³
One Operating Cycle Time	≤22s
Operating Control Model	Automatic / Manual
Load Weight	2900kg
GVW	8495kg

ZLJ5110ZYS Compression Refuse Collector



Feature: The new generation compression refuse collector of Chinese Standard Brand based on the experiences of many inland or overseas manufacturers is mainly used in collecting and transporting the scattering refuse of the urban area, community, factory, schoolyard. Original and patented “Bin tipping mechanism, Bucket tipping mechanism, Bucket raising mechanism” can satisfy the different refuse collecting way of various customer. With the patented rear package compression and biaxial compression technology, the load weight is higher than 8000kg, the compression ratio can reach 1:2.5, which reach the international advanced level. The refined appearance, the fully sealed truck body, the sealed door of the truck body is able to prevent the sewage from leaking during transporting so that secondary pollution is avoided. The imported hydraulic units are of the best quality with convenience and reliability. Automatic reverse unloading, clean and quickly.

- Collecting refuse in sealed condition, equipping with waste water tank, preventing re-pollution.
- Substantial truss structure, payload distributed appropriately in hopper lip, no deformation.
- Electrical pneumatic hydraulic co-control solving the problem of the connecting between electrical system and hydraulic system, prevent the hitch arose from the hydraulic valve spool blocking, improving the efficiency.
- Lift security circuit preventing tailgate dropping down when oil pipes broke down, improving the security.
- Automatic and manual operating control, improving operation reliability
- Automatic controlled throttle and hydraulic safety valves, avoiding power wastage, lower oil consumption.

Detailed Product Description

Item	Technical Data	Options	
Overall Dimension	7471×2462×3250	Bin tipping mechanism A1	
Chassis Model	Cummins EQB160-20	Standard metal rubbish bin	0.3 m ³
Load Weight	5000kg	Bin tipping mechanism A2	
GVW	11865kg	Metal bucket	0.8 m ³
Cab Configuration	With Air-conditioning	Bin tipping mechanism A3	
Container Volume	10	Plastic rubbish bin	0.24 m ³
Tailgate Hopper Capacity	1.6	Bucket tipping mechanism B	
One loading Cycle Time	≤25	Special covering bucket	1.4 m ³
One unloading cycle time	≤40	Bucket raising mechanism C	
Operating Control Model	Automatic or manual	Big rubbish bucket	3.35 m ³

Type: Bin tipping mechanism A1

Appliance: Standard metal rubbish bin

Bin cubage: 0.3m³



Type: Bin tipping mechanism A2

Appliance: Metal bucket

Bin cubage: 0.8m³



Type: Bin tipping mechanism A3

Appliance: Plastic rubbish bin

Bin cubage: 240 L



Type: bucket tipping mechanism B

Appliance: Special covering bucket

Bucket cubage: 1.4m³



Type: bucket raising mechanism C

Appliance: big rubbish bucket

Bucket cubage: 3.35m³



ZLJ5140TSL Sewer Integrated Maintenance Tanker



Feature: The ZLJ5140TSL sewer integrated maintenance tanker is a new special vehicle developed which is mainly used in quickly and safely sewer suction, flushing and cleaning municipal sewers, channel, ditches and gutters and remove the sludge to a pick-up point. It is also widely used in oil refining, steel, chemical, housing, environmental sanitation industry for cleaning the waste pipe as well as the suction and transport and discharge of the waste water and deposit. It is a good guardsman of municipal engineering.

- The vacuum system for sewage suction is independent, which has large effective capacity and powerful suction performance.
- The independent high-pressure jetflow dredging cleaning system is safe, laborsaving and high efficiency.
- The auxiliary engine is special for driving water ring vacuum pump and hydraulic pump. The vacuum system has large flow rate and high vacuity.
- The washing pipe equipped with the special winder can connect with high-pressure spraying gun, which si perfect equipment for washing place and the vehicle.
- The standard configure including rhombic penetrate nozzle, rotating cutting nozzle and bombing nozzle. More nozzles are optional.
- It integrated high-pressure dredging and vacuum sewage suction together, can be used in many situations.

Detailed Product Description

Item	Technical Data	Item	Technical Data	
Model	ZLJ5140TSL	High Pressure Dredging system	Max. Pressure of water pump	19MPa
Overall Dimension	8040×2490×3390 (L x W x H) (mm)		Max. flow rate of water pump	212L/min
Chassis Model	China chassis 8 tons		Effective water tank volume	3m ³
Engine Model	Cummins Engine		Diameter of high-pressure pipe	φ25mm
Aux. Engine Model	Cummins Engine 4BT-77	Vacuum sewage suction system	Max. flow rate of vacuum pump	1560m ³ /h
Max. traveling speed	90km/h		Effective suction lift	>4.5m
			Effective sewage tank volume	4m ³
			Diameter of suction pipe	φ125mm

ZLJ5153TSL Road Washer



Feature: road washer Model GR5153 is low pressure washing equipment, mainly used in washing the city roads, squares, highways, bridges, big warehouses, ports and wharfs, suitable for spraying for dust-setting, air-wetting and watering trees with a long range projection giant. High efficiency and large washing width with double grade self-sucking centrifuge water pump. The water tank was treated by advanced alloyed anti-rust process, no corrosive, can be used in transporting water for daily life.

The double grade self-sucking centrifuge water pump with high efficiency and large washing width.

Adopting excellent international brand low pressure spraying nozzle, with up and down spraying system in order to save water and depress dust.

The stainless steel giant has long-range projection giant.

The inner surface of the water tank treated by advanced alloyed anti-rust process, no corrosive, can be used in transporting water for daily life.

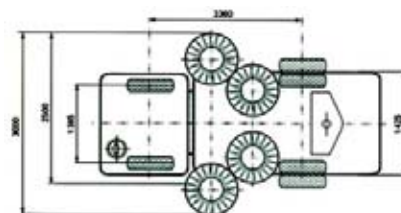
Detailed Product Description

Item	Technical Data	Item	Technical Data
Model	ZLJ5153TSL	GVW	14,770kg
Overall Dimension	7865×2470×2790(L x W x H) (mm)	Spraying width(front & rear spraying)	>16
Chassis Model	EQ1141G7DJ(with air conditioning)	Giant range	>38
Chassis Engine Model	Cummins EQB180-20 Diesel Engine	Washing-flow Rate	400~800 l/min
Engine Power	132kw/2,500rpm(180hph/2,500rpm)	Spraying flow rate	300~500l/min
Operating Speed	7~12.5km/h	Options	
Water Tank Volume	11,000L	Watering trees,	self-sucking, etc.

ZLJ5050TSL Road Sweeper



Feature: The new generation road sweeper made by Chinese Standard Company is mainly used in sweeping the city road, bridge, square, airport, dock and so on. Original" four brooms in the center-rear nozzle" overall structure arrangement, wide sweeping width, short front axle suspension, easy change the hose and adjust nozzle.



- The front brushes with spring impact protection system are driven by excellent international brand hydraulic motors, sweeping powerfully, the brushes rotating speed is adjustable.
- Water-cooled diesel engine adopts ISUZU technique; Creative automatic clutch ensures aux. engine no load start; High efficiency and low noise special blower.
- The cab with air-condition, providing comfortable operation condition, and central control box using excellent international brand electrical component, easy to operate.
- Modular hydraulic valves are integrated highly, and the hydraulic pipelines arranged in order, easy to maintain. Further more, the brushes rotating speed can be adjusted steplessly by adopting screw cartridge.

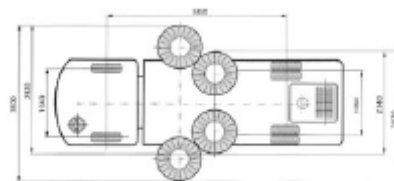
Detailed Product Description

Item	Technical Data	Item	Technical Data
Model	ZLJ5050TSL road sweeper	Sweeping Speed	3~20km/h
Overall Dimension	5690×1990×2330 (L x W x H) (mm)	Max. Sweeping Capacity	60000 km/h
Chassis Model	ISUZU NKR55LLAY-R	Max. Suction Granularity	110mm
Aux. Engine Model	ISUZU Diesel Engine 4JB1	Stainless Steel Hopper Effective Volume	5000L
Aux. Engine Power	57kw /3600rpm (78hp/3600rpm)	Stainless Steel Water Tank Volume	800L
Cab Configuration	With Air-conditioning	Options	1)Centralized lubricate 2)Hydraulic power assisted steering system 3)Horizontal broom and nozzle system
Max. Travel Speed	98km/h		
Max. Sweeping Width	3m	GVW (kg)	5200

ZLJ5150TSL Road Sweeper



Feature: the new generation suction sweeping road sweeper is mainly used in sweeping the city road, bridge , square, airport, dock and so on. Original “four brooms in the Center-rear nozzle” overall structure arrangement, wide sweeping width, short front axle suspension, creative nozzle with international horizontal broom, greatly increasing the effect of cleaning.



- Original automatic clutch ensures aux. Engine to load start, improving the aux. engine reliability and prolonging its service
- Cummins water cooled and turbocharged diesel engine driving special blower with high efficiency and low noise, driving force powerful. Special blower and fully float nozzle, which automatic level with the road surface. It can suck rubbish, sand, little stone and light items with low oil consumption.
- The front broom with spring impact protection system are driven by excellent international brand hydraulic motors, clean powerful, the rotary speed of brooms adjustable.
- High integrated hydraulic valves, hydraulic pipelines arranged in order, easy to maintenance.

Detailed Product Description

Item	Technical Data	Item	Technical Data
Model	ZLJ5150TSL road sweeper	Max. Sweeping Width	3.5m
	7020×2470×2980		
Overall Dimension		Sweeping Speed	5~20km/h
	(L x W x H) (mm)		
		Max. Sweeping	
Chassis Model	EQ3141G7DJ		70000km/h
		Capacity	
	CumminsEQ6BT5.9 Diesel Engine		
Aux. Engine Model		Max. Suction Granularity	110mm
	CumminsEQ4BT3.9 Diesel Engine		
	118kw/2600rpm(160hp/3600rpm)	Stainless Steel Hopper	
Aux. Engine Power			7000L
	77kw/2600rpm(05hp/2800rpm)	Effective Volume	
	With Air-conditioning	Stainless Steel Water	
Cab Configuration			2000L
	Cummins Engine	Tank Volume	
Max. Travel Speed	80km/h	GVW (kg)	14740

Garbage truck 6m3

ITEM	Require	(ZLJ5080ZYS)
Chassis		
Traction system	4*2	4*2
G.V.W	Approx 7000Kg	8495kg
Engine	4 cycle direct injection, water cooled, diesel engine	4 cycle direct injection, water cooled, diesel engine
Max out put	Approx 120hp	119hp
Fuel tank capacity	Not less than 100L	Yes
Transmission	5-speed with over drive	5-speed with over drive
Brake	Full air dual circuit	Full air dual circuit
Electric system	24V	24V
Body	All steel body provided with dust and foul water treatment	Yes
Volume body	Approx 6m3	Yes
Volume hopper	Approx 0.6m3	0.8m3
Volume hopper	Approx(0.9-1.0)m3	1.4m3
Compression ration	1/2to1/5	2/5
Discharging time	20-30second	30second
Operation control system	Electrically hydraulic control	Yes
Integrated refuse container lifter		No, but the refuse can be put out by the push shovel of the truck.
Emergency stop		Yes
Sewage tank		Yes
Tail gate shutter, rear stop and hand nail		Yes
Working lamp		Yes
Reverse working buzzer		Yes
Operating instruction and maintenance catalog		Yes
Power take off	On the side	Yes
Pump	Gear type	Yes
Hydraulic system	160kgf/cm2	180kgf/cm2
Accessories	Seat belt, sun visor, etc	Yes
Warranty	12months	Yes
10% spare parts of Contract value		Yes

Garbage truck 10m³

ITEM	Require	(ZLJ5110ZYS)
Chassis		
Traction system	4*2	4*2
G.V.W	Approx11000Kg	11865kg
Engine	4 cycle direct injection, water cooled, diesel engine	4 cycle direct injection, water cooled, diesel engine
Max out put	Approx 170hp	160hp
Fuel tank capacity	Not less than 200L	Yes
Transmission	5-speed with over drive	5-speed with over drive
Brake	Full air dual circuit	Full air dual circuit
Electric system	24V	24V
Body	All steel body provided with dust and foul water treatment	Yes
Volume body	Approx10m ³	Yes
Compression ration	1/2to1/5	2/5
Discharging time	20-30second	30second
Operation control system	Electrically hydraulic control	Yes
Integrated refuse container lifter		No, but the refuse can be put out by the push shovel of the truck.
Emergency stop		Yes
Sewage tank		Yes
Tail gate shutter, rear stop and hand nail		Yes
Working lamp		Yes
Reverse working buzzer		Yes
Operating instruction and maintenance catalog		Yes
Power take off	On the side	Yes
Pump	Gear type	Yes
Hydraulic system	180kgf/cm ²	210kgf/cm ²
Accessories	Seat belt,sun visor,etc	Yes
Warranty	12months	Yes
10% spare parts of Contract value		Yes

Road sweeper

ITEM	Require	(ZLJS5150ZYS)
Chassis		
Traction system	4*2	4*2
G.V.W	Approx14000Kg	14740kg
Engine	4 cycle direct injection, water cooled, diesel engine	4 cycle direct injection, water cooled, diesel engine
Max out put	Approx 200hp	180hp
Aux. engine	Turbo diesel	Yes
Aux. engine out put	110hp	160hp
Sweeping speed	0~25km/h	5~20km/h
Max sweeper width	3600mm	3500mm
Fuel tank capacity	Not less than 100L	Yes
Suspension		
Clutch	Single plate	Yes
Tire wheel	2front4rear 2000X2014PR	2front4rear 2000X2016PR
Sweeping capacity	40000m2/h	70000m2/h
Hopper capacity	6.5m3	8m3
Hopper dump angle	55	45
Blower fan		Yes
Hopper material	Stainless steel	Yes
Lifting and door control	Hydraulically	Yes
Sides brushes		Yes
diameter	750mm	900mm
Central roller	Replaceable polypropylene stripes	Yes
Dimension	1400x400mm	1200x350mm
Suction hatch		It has one suction hatch. Diameter 250mm
Water system		It can not be used to wash the road. It is be used to spray to decrease the dust and wash the truck itself.
Water tank	1250~1500L	1600L
Water pump	Drive by Hydraulically transmission	Yes
Working pressure	8bar	It can not be used to wash the road. It is be used to spray to decrease the dust and wash the truck itself.
Max Working pressure	30bar	
Capacity	40L/min	
With pass system		Yes
Accessories	Seat belt, sun visor, etc	Yes
Warranty	12 months	Yes
10% spare parts of Contract value		Yes

Road Washer / Water tank

ITEM	Require	(ZLJ5163ZYS)
Manufacture year	2007	Yes
Chassis		
Pay load	10,000kg	11,000kg
Max loading capacity	10,800L	11,000L
GVW	Minimum 17,000kg	14,770kg
Traction system	4*2	4*2
Engine	4 cycle direct injection, water cooled, diesel engine	Yes
Max put out	175kw	132kw
Cooling system		Yes
Clutch	Single dry plate	Yes
transmission	5f-1r	Yes
Steering	Power steering ,left hand driver	Yes
Electric system	24V	24V
Fuel tank capacity	Not less than 200L	Yes
Tire	7 tire	Yes
Brake	Full air dual circuit	Full air dual circuit
Cab	Air condition ,etc	Yes
Water tank	10,000L	11,000L
PTO		Yes
Pump total head	20m	yes
Pump capacity	700L/min	yes
Pump pressure	2kgf/cm2	Yes
Piping and coast		Yes
Tanker and attachments		Yes
Accessories	Seat belt,sun visor,etc	Yes
Manuals		Yes
Spare part catalogue		Yes
Warranty	12months	Yes
10% spare parts of Contract value		Yes



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