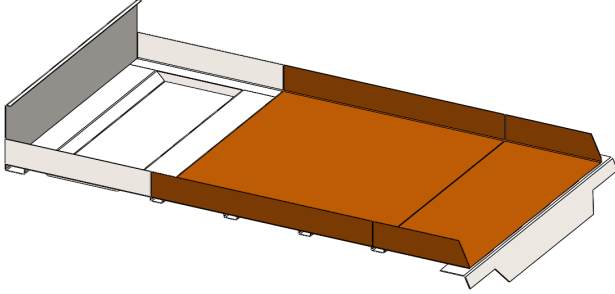
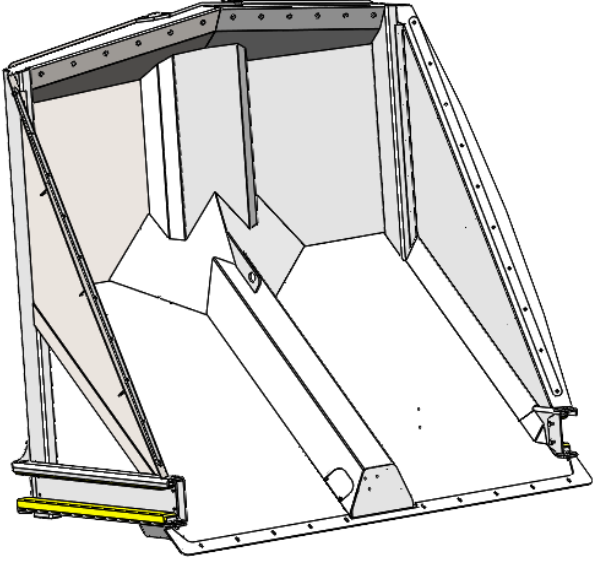


TECHNICAL SPECIFICATIONS FOR GARBAGE COMPACTORS

NO	PARAMETER	SPECIFICATIONS
1.	Body	Hidro-Mak Brand Rear Loading Hydraulic Garbage Compactor
	Code No.	SCK-7
	General Info	Body up-fit consists of a body and its sub-frame mounted on a truck chassis, a tailgate with compaction mechanism, discharging/ejection plate inside the body, bin lifter device, hydraulic and electrical components and their installation on garbage compactor.
	Capacity (m ³)	6 m ³ excluding tailgate(hopper)
	Body Floor	St-52 (S355J2) / 4 mm brown colored area in below figure 
	Body Sides	St-52 (S355J2) / 4 mm. Body side walls are smooth type and convex shaped without any vertical profile/ribs and traverces on side walls (like in sample drawing)
	Body Roof	St-52 (S355J2) / 4 mm.
	Sub-frame	St-52 (S355J2) / 6 mm.

Ejection/Discharging Plate	a. Discharging plate moves on the rail welded above from the floor to the inner sides of the body b. Discharging plate moves by means of double acting telescopic cylinder. It is kept at the rear of the body when it is empty and moves automatically to the front of body by pressure valve as the garbage is started to packed and pressed inside body. c. Front surface of ejection plate that get into contact with garbage friction is from St-52 (S355J2) / 6mm 
Dirty Water Tank	There is dirty water tank in front bottom of the body; Around 70 liters
2. Tailgate (hopper)	
General Info	Tailgate is connected to the body with top hinges and opened upwards by means of two units double acting hydraulic cylinders.
Compaction Ratio	The compaction ratio (volumetric) 5:1 to 6:1 according to the characteristic and due to this density of the garbage used in the area and garbage compactor operating pressure. Above parameter is valid for household garbage.

	Rear Hopper/Tailgate Capacity (m ³)	1 m ³ - Equipped with foldable (openable) type rear door/cover.
	Compaction Plate	Manufactured from St-52 (S355J2) / 6mm. Compaction cycle time 16 seconds
	Sealing	With special design leak-proof rubber seal between tailgate and the body
	Locking	Hydraulic locking by means of reverse action of two hydraulic tailgate-lifting cylinders. 
	Safety Props	Tailgate is provided with safety props (manual) between the body and tailgate for safety purposes during maintenance
	Safety Valve	Equipped with anti-dropping safety valve on tailgate hydraulic lines to prevent sudden falls.

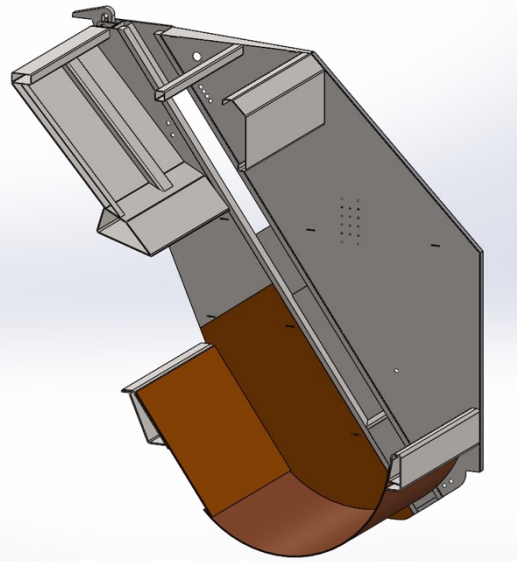
Tailgate (Hopper) Steel
Thickness (mm)

Tailgate (rear hopper) floor:
St-52 (S355J2) / 6mm

Tailgate floor extension (opposite wall) inside the body:
St-52 (S355J2) / 6mm

Tailgate (rear hopper) side walls (under compaction plate):
St-52 (S355J2) / 6mm

brown colored area in below photo:

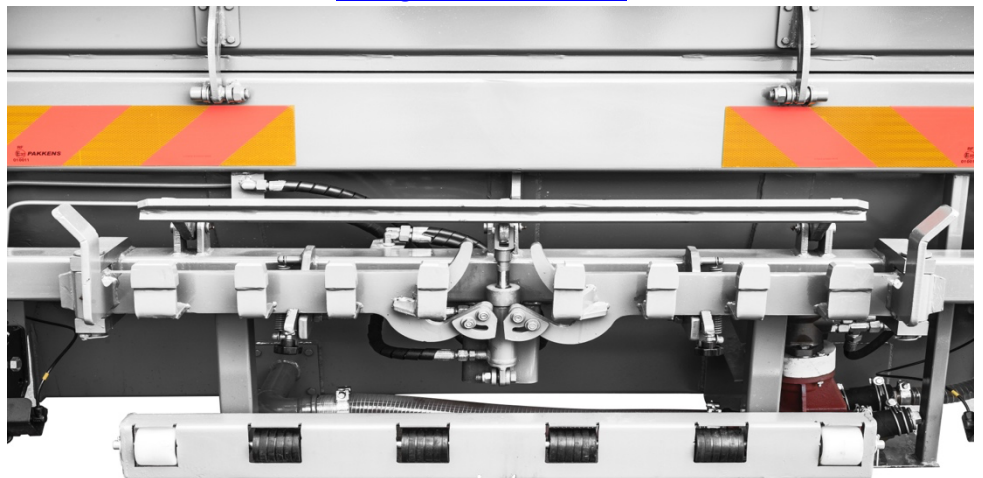


Container Lifting
Devices/bin lifter device

**Suitable to take and empty containers up to 1100 liter.
(V = 120 – 240 - 360 - 660– 1100-liter plastic + 1100-liter metal bins)**

Container lifting device (bin lifter device) is activated/controlled by manually
via hand lever.

Lifting time is 8 seconds



3. Operation & Control

All devices for loading, compressing control and for container lifting device are mounted on tailgate right side.

Operation and control is suitable to below mentioned EN1501-1: 2011 standards:

- In case of operator is standing on rear footsteps, then truck speed is limited to maximum 30km./hour in forward direction.
- In case of operator is standing on rear footsteps, then truck is not allowed to move in backward direction.
- Rear camera and monitor included.
- Tailgate control (opening and closing) and ejection plate control (forward and backward movement) is from left side of the body:

Operation & Control



Two button control at same time for closing tailgate:



Note: Truck vehicle should also correspond to the EN 1501-1 for above standards.

Compaction mechanism/System can be operated by electrically (automatically) via buttons + Mechanical (manual) via hand lever(s);

Container lifting device/bin lifter device is activated/controlled by manually via **hand levers**.



	Safety devices	Equipped with safety devices on tailgate hydraulic lines to prevent sudden falls, Emergency stop valve at both sides, and a rescue system in one side.
4.	Hydraulic System	
	Oil Tank Capacity	115 liter Equipped with return filter, oil indicator and tank lid.
	P.T.O	Controlled inside the cab, original P.T.O of the Truck , (excluding)
	Working Pressure (bar)	Av. 180 ± 10 bar
	Hydraulic Cylinder	10-11 units hydraulic cylinder; Telescopic Cylinder with 2 extensions. All the Hydraulic Cylinders are double-acting cylinder. All cylinders are Turkish brand. The dimensions of cylinders are designed to accomplish the stipulated cycle times and compaction ratio.
	Hydraulic Valve	Well quality Turkish origin
	Hydraulic Pump	P.T.O driven Turkish origin Gear type hydraulic single pump included. Pump capacity depends on truck P.T.O. and truck rpm
5.	Painting	All steel parts surfaces free of rust and oil residue by sand blasting, then will be applied with two primers, completely final painted according to desired color.
6.	General	2 units rotating lights: 1 is in front of the body and other is on tailgate
		1 unit working light mounted on tailgate for lightning working area
		New Type Two units foldable, anti-sliding and Height adjustable type rear foot boards for crew to stand on
		One elliptical handle at each side Ø ¾ " pipe handle for the crews to grasp.
		Rear camera and monitor is according to Tender specs.

Bin upper lid opener (catcher bar) works by pneumatic cylinder.



Plastic mudguards included

Electrical system is separated from the circuit of the truck

Specifications and dimensions are not binding. Manufacturer's tolerance may apply.

CERTIFICATE

A1 BELGELENDİRME VE MUAYENE HİZMETLERİ LTD. ŞTİ.

Bu belge ile;

**HİDRO-MAK DAMPER VE HİDROLİK MAKİNALAR
SANAYİ VE TİCARET A.Ş.**

HASTANE MAH. HADIMKÖY-İSTANBUL CAD. NO:60 ARNAVUTKÖY/
İSTANBUL

TS EN ISO 14001:2004

Şartlarına uygun bir Çevre Yönetim Sistemine aşağıda belirtilen kapsam dahilinde sahip olduğunu onaylar.

**ARAÇ ÜSTÜ EKİPMANLAR HİDROLİK-PNÖMATİK MAKİNALAR (HURDA
PRESLERİ, KAĞIT, BALYALAMA PRESLERİ VS.), RÖMORKLAR-YARI
RÖMORKLAR, ÇÖP TOPLAMA-İMHA-GERİ KAZANIM SİSTEMLERİ,
BETON SANTRALLERİ-YARDIMCI ÜNİTELER VE TEMİZLİK MAKİNALARI
VE AKSESUARLARININ TASARIMI, GELİŞTİRİLMESİ, ÜRETİMİ,
PAZARLANMASI, SATIŞI VE SATIŞ SONRASI SERVİS HİZMETLERİ**

EA Kodu	:	22
Sertifika No	:	E26041602
Sertifika İlk Yayın Tarihi	:	26.04.2022
Sertifika Yayın Tarihi	:	26.04.2022
Sertifika Geçerlilik Tarihi	:	25.04.2025



Çevre Yönetim Sistemi
TS EN ISO/IEC 17021
AB-0104-YS

Genel Müdür



Bu sertifika A1 Belgelendirme kurallarına uyulması ve her yıl yapılacak gözetim denetimlerinin başarılı bir şekilde tamamlanması durumunda, ilk yayın tarihinden itibaren üç yıl süreyle geçerlidir. Sertifikanın geçerlilik durumu www.a1cert.com adresinden kontrol edilebilir.

Revizyon Tarihi: - Revizyon No: 00

CERTIFICATE

A1 BELGELENDİRME VE MUAYENE HİZMETLERİ LTD. ŞTİ.

with this certificate;

**HİDRO-MAK DAMPER VE HİDROLİK MAKİNALAR
SANAYİ VE TİCARET A.Ş.**

HASTANE MAH. HADIMKÖY-İSTANBUL CAD. NO:60 ARNAVUTKÖY/
İSTANBUL

TS EN ISO 9001:2008

has established and applies a quality management system for

**DESING, DEVELOPMENT, MARKETING, PRODUCTION, SALES AND
AFTER-SALES SERVICES OF SUPERSTRUCTURE EQUIPMENTS,
TRAILERS AND SEMI-TRAILERS, GARBAGE COLLECTING-
INCINERATING WASTE DISPOSAL SYSTEMS, HYDRAULIC AND
PNEUMATIC MACHINERY (SUCH AS SCRAP PRESSES, PAPER BALE
PRESSES AND SO ON), CONCRETE PLANTS AND FACILITIES, CLEANING
MACHINERY AND ACCESSORIES**

EA Code	:	22
Certificate Number	:	Q11031601
Original Approval	:	11.03.2022
Certificate Date	:	11.03.2022
Certificate Valid Up to	:	10.03.2025



Kalite Yönetim Sistemi
TS EN ISO/IEC 17021
AB-0104-YS

Certification Manager

This certificate is valid 3 years as of certificate date as long as the company complies with rules of A1 Belgelendirme and completes it's annual surveillances audits successfully. The Validity of this Certificate can be verified from www.a1cert.com.