

Dear sir ;

First of all, we would like to thank you for your interest in our products and we will be pleased to offer you the technical details about the block-paving stone machine that produces 4 pieces of 20 cm bloch in 1 press. Regards,  
**MUSSAN MACHINERY**

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### MG4.1 BLOCK/ PAVING STONE MACHINE

**Semi-Automatic Block/ Paving Stone Machine:** It is a single mortar bucket machine with hydraulic and mechanical operating system. It produces high quality stone types with its high vibration power. You can produce practically any stone you want thanks to its ease of use. It is designed on a 24-hour working basis. The total power used in the facility is 30kw. By changing the mould, it can produce all kinds of single-layer concrete paving stones (keystone), block stone, pumice stone, interlocking pumice stone, styrofoam block stone, curbstone, rain gutter, hollow blocks and hollow blocks, by changing moulds.The raw materials required for the stone to be produced are water, cement, sand, pumice, crushed stone, stone dust and styrofoam. These raw materials can be added or removed according to the desired product.

#### Shipment - Installation – Staffs and Training:

- The total shipping volume of the machine, 1 mould, mixer, belt and 3 product transport trolleys is 1 piece of 20 HQ Container.
- The installation and resting area should be at least 700 m<sup>2</sup>. The concrete floor should be at least 1/3 of the area. Before the installation, the required electrical and water installation infrastructure must be completed. It is not obligatory to cover the roof of the area where the machine will be installed, but it is our recommendation to close the mortar buckets of the machine and the mixer since they are open..
- he number of staff required for production is at least 1 and at most 4 people. (1 person machine, 1 person mixer, 2 person wheelbarrow). Our company provides the stuffs with all the necessary information during the production phase free of charge.

**Technical Support, Warranty and Spare Parts:** Video technical support is provided in the foreign language requested by our company. In addition, in cases where video technical support is insufficient, field maintenance and repair support is provided. Machinery and Equipment have 2 years warranty. All kinds of spare parts stock available. For more detailed information, you can visit our website here or contact your customer representatives at +90 544 747 74 63 .



MACHINE	MIXER	CONVEYOR BELT	MOULD	PRODUCT TROLLEY



KAPASİTE BİLGİLERİ			
PRODUCT TYPE	PIECES PER PALLET	8 HOUR CAPACITY	24 HOUR CAPACITY
Block 200 X 400 X 200	4 piece	4.000 piece	12.000 piece
Block 150 X 400 X 200	6 piece	6.000 piece	18.000 piece
Block 100 X 400 X 200	8 piece	8.000 piece	24.000 piece
Asmolen 250 X 400 X 200	3 piece	3.000 piece	9.000 piece
İnterlocking Paving Stone	12 piece	300 m²	900 m²
Rotary Paving Stone	12 piece	300 m²	900 m²
Rectangular Paving Stone	20 piece	400 m²	1.200 m²
Bordure 150 x 700 x 300	1 piece	1000 piece	3.000 piece

**MG4.1 BLOCK/ PAVING STONE MACHINE:** The operator controls all movements of the machine with semi-automatic hydraulic arms. It is practical and functional with its ease of use. If desired, it can be produced as fully automatic PLC controlled. By changing moulds, it produces all kinds of concrete elements such as blocks, curbstones and paving stones in a serial manner. 1 pallet pressing time is 27 seconds. High strength ST 52 is produced from 4 mm or 6 mm thick (optional) steel profile. With its strong body structure, it is heavier, long-lasting and durable. The main chassis can be opened from one side. Mortar car bottom plate sheets: ST 52 A1 Quality, mortar cars ST 52 A1 Quality, cart balance arm roller bearings are produced as SKF or FAG steel. All wheels on the machine are produced as CK-45 VE 4140 with high carbon content. Hydraulic unit blocks are surface hardened with induction and precision carburization has been done. High-speed and heat-resistant bearings are used inside the vibrators. The hydraulic pump is Hema cast body. Hydraulic hoses are made in Italy. After the hydraulic system is absolutely tested, it is mounted on the machine. The hydraulic pistons used in our machine are processed in CNC LASER (computer numerical control) machines. In this way, it is suitable for heavy duty, long life and durable. Column shafts are bedded with 2 chrome shafts of 80 mm diameter. All vibrations give minimum vibration to the machine body with a special damping system.

TECHNICAL SPECIFICATIONS			
Number of mortar bucket/capacity	Single bucket / 0,5 m³	Control system	Operator controlled
Production capacity	100-120 Pallet / hour	Hydraulic motor power	2,2 Kw
Pallet size	60 x 120 x 4 cm	Number of engines	3
Machine dimensions	290 cm / 135 cm / 240 cm	Engine brands	GAMAK / ISO, CE, EAC, TSE certified
Machine weight	2.100 Kg	Pump flow	3,9 lt / min
Vibration power	2,2 Kw x 2 piece	Hydraulic oil tank capacity	40 Lt
Vibration rate	3000 d/min	Hydraulic pressure	150 Bar
Product minimum height	5 cm	Product maximum height	30 cm

**MIXER:** It provides maximum homogeneity by mixing the concrete mixture in it as soon as possible. ISO, CE, EAC, TSE QUALITY 1 piece of Turkish Made (Gamak Motor) 22 kW 500 rpm motor and 1 piece of Turkish Made Reducer (Yılmaz Reductor) are used in the mixer. Steel construction bodies and mixing paddles are NiHard 4 steel castings with high wear resistance. It is designed to provide the highest strength and service life. PAN type with bottom gearbox. Side mixing PENSTOCK model and TWIN SHAFT are available in our production. Wide maintenance covers provide easy maintenance with bolted replaceable armors. There are interchangeable high-strength wear parts in the mixer. Hardox or st 52 quality material is used in the arm end pallets - base and wearing surface sheets. The evacuation system is discharged with the pneumatic piston and joystick arm located on the lower cover. Optionally, the interior of the mixer can be lined with Hardox - SSAB (Sweden) brand high wear resistant replaceable armors. Discharge system can be preferred as manual, pneumatic (air operated) and hydraulic system. Optional equipment such as 2 or more discharge covers, manual sampling, high pressure washing inside the mixer can be added.

**Weight:** 1000 kg, **Diameter:** 175 cm, **Height:** 140 cm





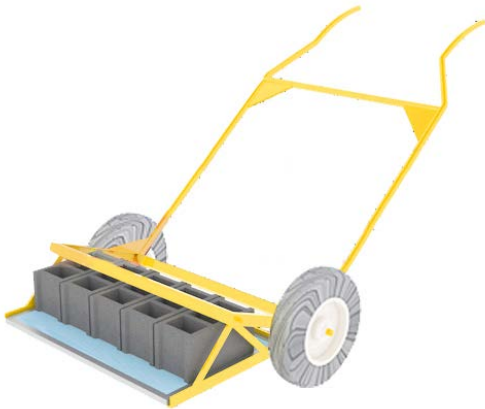


**CONVEYOR BELT:** It is the equipment that transfers the raw material from the mixer to the machine. The main chassis is ISO 9001 quality with 40 x 80 x 3mm profile and 5mm. It is made of sheet metal. It is a stock pan that prevents raw material loss. Band rubber 4 layers 8 mm. The court is made of fabric, and it is produced as a raw material stabilizer knurled pattern. It is made resistant to all kinds of hard materials, flame and heat, as well as physical wear. The moisture absorption rate of the tape is minimum. Its coating is in TS 547 standard. Its rolls are 3 '(ø 60mm). Roller stations were used every 75 cm. It can be removed and adjusted manually.ISO, CE, EAC, TSE QUALITY Turkish Made (Gamak Motor) 2.2 kW motor and Turkish Made Reducer (Yılmaz Reductor) are used in the conveyor.

**Weight:** 100 kg, **Length:** 500 cm, **Width:** 50 cm, **Thickness:** 30 cm

**MACHINE MOULD:** We process the moulds drawn using advanced technology to ST 42 / German technology steels at the religion norm in CNC LASER computer numerical controlled machines with zero error, without human touch. After induction hardening processes and precision carburizing process, we obtain cobblestone (keystone), block stone, pumice stone, interlocking pumice stone, styrofoam block stone, curbstone, rain gutter, hollow block and chimney stone mould.

**Weight:** 120 kg, **Height:** 35 cm, **Length:** 120 cm, **Width:** 60 cm



**PRODCUT CARRING TROLLEY:** It enables the products printed on the pallet from the machine to be transported to the drying area. It is designed according to the size of the production pallets. It is designed for a person to carry the product in the easiest and most convenient way. Large inches for fast movement, pneumatic tires are preferred for comfortable movement on all types of ground. The chassis is made of 34 pipes. The pallet carrying chamber is 4mm sheet metal.

**Weight:** 40 kg, **Height:** 150 cm, **Length:** 120 cm

**MUSSAN GROUP MACHINERY** Our company continues its commercial life in our modern facility in Trabzon to respond to all kinds of block - paving - bims - concrete machines and mould demands. We are there for you with block-paving-bims and concrete plant sales and technical support in Turkey and abroad. We are always ready before and after sales with our experienced English, Arabic, French and Georgian sales representatives.

**Commercial terms:** Delivery time is maximum 45 working days. Operator training and operator certificate will be given free of charge. **Infrastructure project;** After receiving the necessary information, it is provided free of charge. **Commissioning and test generation;** The visa (for the required countries) - transportation - transfer and accommodation costs of the assembly team and the oil to be used in the hydraulic unit belong to the buyer. Shipping; campaign prices are ex work. Shipping and all insurance costs belong to the buyer, loading costs belong to the seller. Our company provides all logistic support for shipments to its customers. **Payments;** 40% in advance, 30% in interim payment and 30% in hand or via the bank on delivery by arranging an official contract in the order. Our contracts; It is approved by the chamber of industry and commerce in domestic sales - and by the exporters' association in foreign sales. It has international quality and validity. **Warranty;** All our products are guaranteed for 2 years against manufacturing defects. **Spares:** Spare parts can be added and reproduced upon the request of the customer.

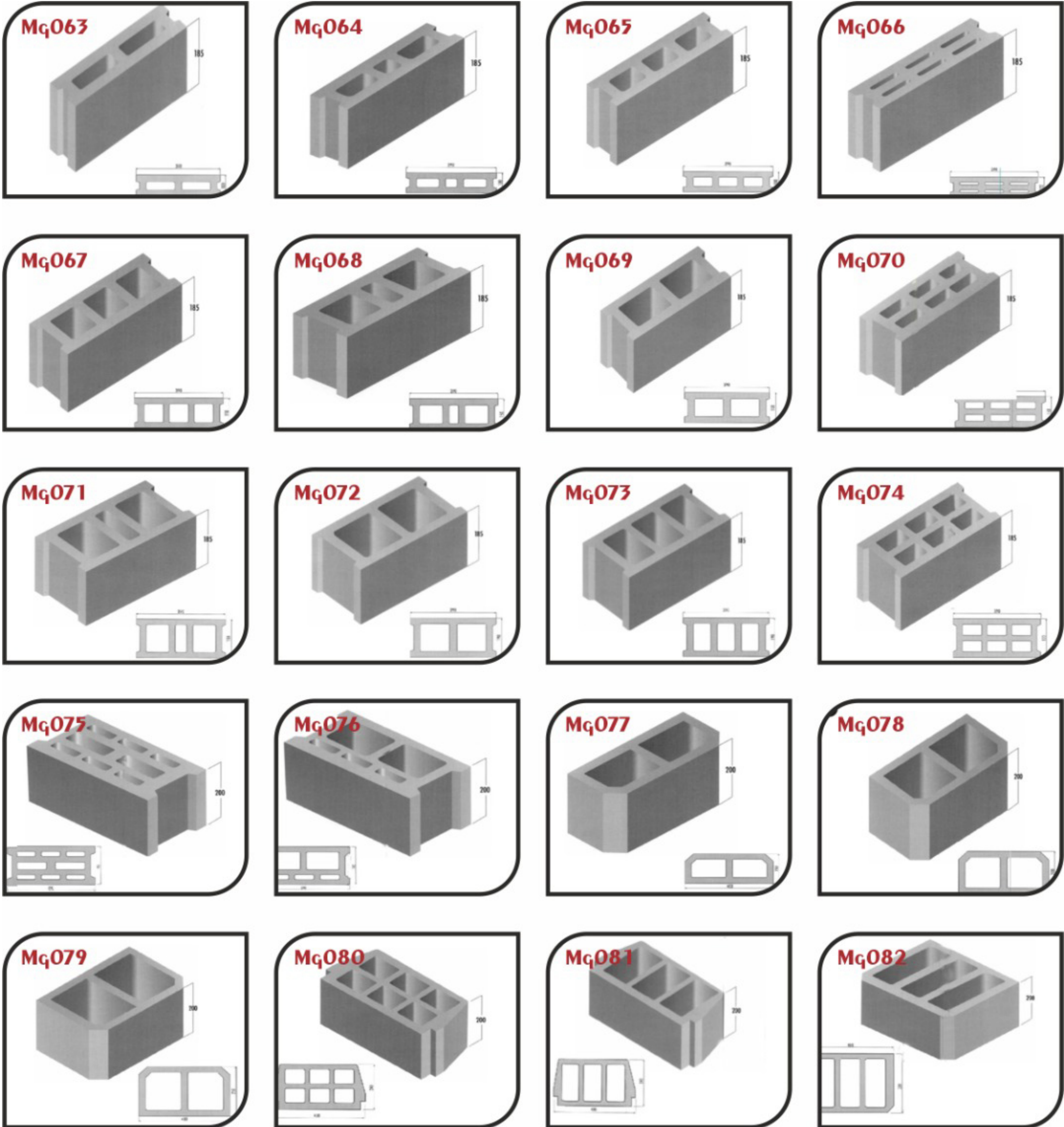
NO	EXPLANATION	PIECE	PRICE (\$)	TOTAL PRICE (\$)
01	MG4.1 Block/ Paving stone machine	1	16.897	16.897
02	0,75 m³ Mixer	1	5.172	5.172
03	Conveyor belt ( 6.0 mt * 0,50 mt * 10 mm )	1	2.241	2.241
04	Block- various Types of Pver Moulds	1	1.897	1.897
05	Product Transport Trolley	3	322	966
► MACHINE DELIVERY TIME IS 30 WORKING DAYS.		Total	27.173 \$	

ACCOUNT TITLE	MUSSAN GROUP MAKİNA İTHALAT İHRACAT SAN. TİC. LTD. ŞTİ.
NAME OF THE BANK	ALBARAKA TÜRK – DEĞİRMENDERE BRANCH
ACCOUNT TYPE -IBAN NO	DOLLAR - TR93 0020 3000 0884 7693 0000 03
ACCOUNT TYPE- IBAN NO	EURO - TR23 0020 3000 0884 7693 0000 02
ACCOUNT TYPE- IBAN NO	TURKISH LIRA - TR50 0020 3000 0884 7693 0000 01
SWIFT CODE	BTFH TR IS

**MUSSAN GROUP**  
MAKİNA İTHALAT İHRACAT SANAYİ  
VE TİCARET LİMİTED ŞİRKETİ  
Yolgören Mahallesi Dede Korkut Cad.  
No:55DB ARAKLI/TRABZON/TURKEY  
ARAKLI V.D : 6241367086



## STANDARD MOULDS THAT THE MACHINE CAN PRODUCE



Mq001

ALAN (AREA) cm²	1 m² / Adet (pcs)
289.5	37

Mq002

ALAN (AREA) cm²	1 m² / Adet (pcs)
193.9	51

Mq003

ALAN (AREA) cm²	1 m² / Adet (pcs)
253.3	39

Mq004

ALAN (AREA) cm²	1 m² / Adet (pcs)
364.2	27

Mq005

ALAN (AREA) cm²	1 m² / Adet (pcs)
340	29

Mq006

ALAN (AREA) cm²	1 m² / Adet (pcs)
242.6	41

Mq007

ALAN (AREA) cm²	1 m² / Adet (pcs)
276.6	36

Mq008

ALAN (AREA) cm²	1 m² / Adet (pcs)
262.5	38

Mq009

ALAN (AREA) cm²	1 m² / Adet (pcs)
239.7	41

Mq010

ALAN (AREA) cm²	1 m² / Adet (pcs)
281.5	36

Mq011

ALAN (AREA) cm²	1 m² / Adet (pcs)
248.4	40

Mq012

ALAN (AREA) cm²	1 m² / Adet (pcs)
224	44

Mq013

ALAN (AREA) cm²	1 m² / Adet (pcs)
107	93
107.9	93
93.8	108

Mq014

ALAN (AREA) cm²	1 m² / Adet (pcs)
168	59
124	80
98.4	108

Mq015

ALAN (AREA) cm²	1 m² / Adet (pcs)
191	52

Mq016

ALAN (AREA) cm²	1 m² / Adet (pcs)
273.1	36

Mq017

ALAN (AREA) cm²	1 m² / Adet (pcs)
290	34

Mq018

ALAN (AREA) cm²	1 m² / Adet (pcs)
220	45

Mq019

ALAN (AREA) cm²	1 m² / Adet (pcs)
259	38

Mq020

ALAN (AREA) cm²	1 m² / Adet (pcs)
96.7	103

Mq021

ALAN (AREA) cm²	1 m² / Adet (pcs)
270	36

Mq022

ALAN (AREA) cm²	1 m² / Adet (pcs)
188	53

Mq023

ALAN (AREA) cm²	1 m² / Adet (pcs)
125	80
252	39

Mq024

ALAN (AREA) cm²	1 m² / Adet (pcs)
330	30

Mq058

Mq059

Mq060

Mq061

Mq062



