



KARMEL

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**CONCRETE
BATCHING PLANTS
KARMEL**

 **THE CHOICE OF
PROFESSIONALS!**

**MOBILE
CONCRETE PLANTS**



**SKIPTYPE
CONCRETE PLANTS**



CONCRETE MIXERS



**CONVEYOR
CONCRETE PLANTS**





CONCRETE BATCHING PLANTS

CONVEYOR CONCRETE BATCHING PLANTS

KARMEL 30K STANDART.....	8-9
KARMEL 40K STANDART.....	10-11
KARMEL 60K STANDART.....	12-13
KARMEL 60K PREMIUM.....	14-15
KARMEL 70K STANDART.....	16-17
KARMEL 80K STANDART.....	18-19
KARMEL 80K PREMIUM.....	20-21
KARMEL 100K STANDART.....	22-23
KARMEL 100K PREMIUM.....	24-25
KARMEL 120K PREMIUM.....	26-27
KARMEL 130K PREMIUM.....	28-29
KARMEL 140K STANDART.....	30-31

SKIPTYPE CONCRETE BATCHING PLANTS

KARMEL 15C STANDART.....	34-35
KARMEL 30C STANDART.....	36-37
KARMEL 40C STANDART.....	38-39
KARMEL 60C STANDART.....	40-41
KARMEL 80C PREMIUM.....	42-43
KARMEL 100C PREMIUM.....	44-45

SOIL MIXER

SOIL MIXER KARMEL-250 / KARMEL-500.....	46-47
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MOBILE CONCRETE BATCHING PLANTS

KARMEL M30 PREMIUM.....	50-51
KARMEL M60 PREMIUM.....	52-53
KARMEL M100 PREMIUM.....	54-55
KARMEL M120 PREMIUM.....	56-57

DISTRIBUTOR OF INERT MATERIALS..... 58-59

ASPHALT-CONCRETE PLANT..... 60-61

ACCESSORIES

SILO WAREHOUSES.....	62-63
AUTOMATISATION SYSTEM AND CONTROL PANEL.....	64-65

ABOUT US

The **KARMEL** company was founded in 1997 in Khmelnytskyi (Ukraine) on an area of 1000 m², and in a short time the company has made huge steps in its development and has reached a high level in its sector. Today, the company operates on the territory of the plant with a total covered area of more than 7,000 m². The company employs about 50 employees supervised by 5 engineers.

Since its foundation till nowadays, the company has been producing concrete mixing units to produce concrete, mortars, concrete mixers, mortar mixers, complete lines for the production of paving slabs and dry building mixes. The company has been awarded the certificate 150 9001-CE and other certificates. We have thousands of completed projects of varying complexity in the CIS and Europe.

We can offer suitable equipment layout options for private entrepreneurs and factories of any size and requirements, including the possibility of supplying equipment for businesses on a turnkey basis.

A wide range of equipment and the possibility of individual design allows us to meet all requirements of our customers.

After-sales service:

Our company has proven its leadership in the sector by providing continuous service 7 days a week, 24 hours a day and responding to all customer requests. Starting from the moment of making the decision to purchase the equipment, we fully provide customers with all the necessary technical support based on long-term and efficient operation for many years, creating an extensive network of service points.



ABOUT US



MISSION

- Experienced personnel engaged in production of concrete batching plants, providing customized solutions or clients.
- The development of long-term and continuous relationships between customers and suppliers is based on two-way trust, without detriment to product quality.
- Our motto is a quality product. Providing customers with more functional and efficient concrete mixing equipment.
- Delivery of concrete batching plants of all types and capacities, taking into account the needs of the client.
- We work on the principle of a quick response to a customer's request.



VISION

- In order to meet the requirements of customers, the company pays special attention to research and development elaborations, has a powerful and reliable infrastructure for product design and production, the company's staff possess deep knowledge and extensive experience.
- The main driving goal of the company is to satisfy and meet all the expectations of the customers.
- Exporting our products to all corners of the world and increasing the recognition of the brand, we do not forget domestic market, where we compete with well-known manufacturers. Every year the enterprise produces up to 50 units of various concrete plants.

STATIONARY CONCRETE BATCHING PLANTS



Concrete batching plants are recommended for the production of finished concrete and for pouring slabs on construction sites with a long time periods.

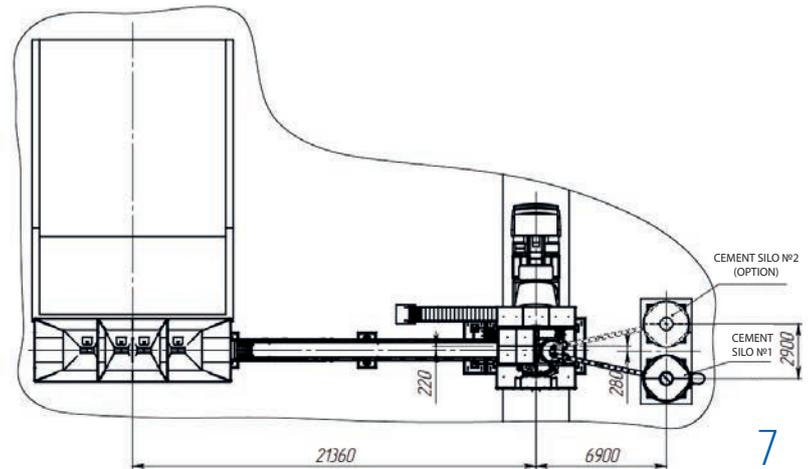
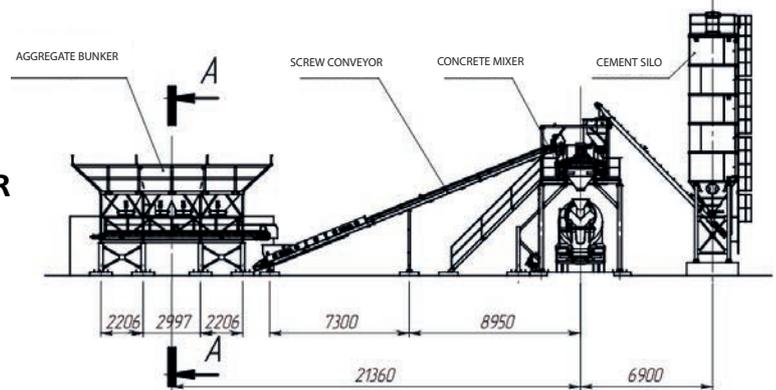
Our products are capable of producing all types of concrete. Professional users make informed choice not only about the high quality of our products for their needs, but also about the function of their stable and trouble-free operation, reliable spare parts service and high-quality after-sales service.

The design of the territory for the installation of a concrete mixing unit is carried out based on the needs of the client, the natural and housing conditions of a certain country

Fixed-site concrete batching plants maintain the integrity of the environment and carry out the entire production process without harming the environment and humanity.

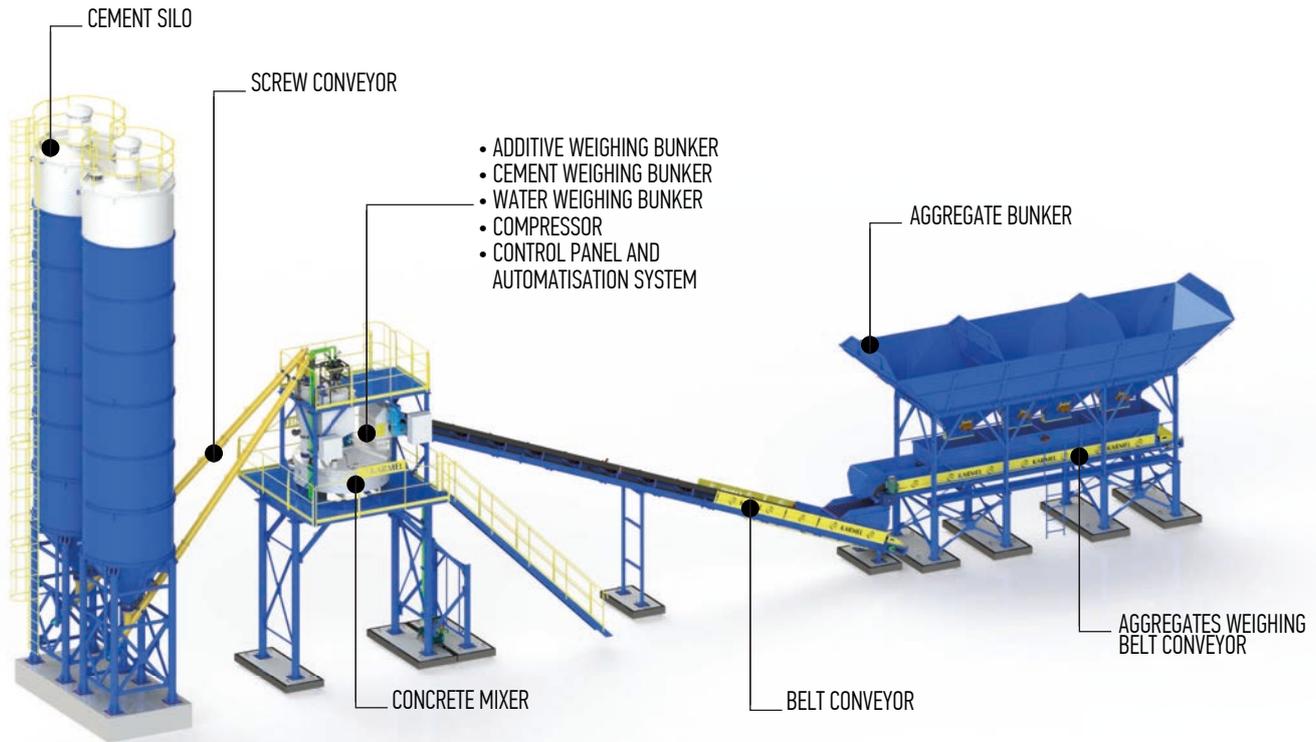
STATIONARY CONCRETE BATCHING PLANTS

- AGGREGATE BUNKER
- AGGREGATES WEIGHING BELT CONVEYOR
- ADDITIVE WEIGHING BUNKER
- CEMENT WEIGHING BUNKER
- WATER WEIGHING BUNKER
- BELT CONVEYOR
- COMPRESSOR
- CONCRETE MIXER
- CEMENT SILO
- CONTROL PANEL AND AUTOMATISATION SYSTEM
- SCREW CONVEYOR





KARMEL 30K STANDART



KARMEL 30K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 30 m³/h

AIR COMPRESSOR

Volume 500 lt/min
Operating pressure 8–10 bar
Engine power 5,5 kW

AGGREGATE BUNKER

Bunker's capacity 3x10 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 650 mm
Length 10000 mm
Engine power 7,5 kW
Load cell 4 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 750 lt
Capacity of compacted concrete 500 lt
Engine power 18,5 kW

MIXER BELT CONVEYOR

Width 650 mm
Length 16000 mm
Engine power 11 kW

WEIGHING GROUP

Cement bunker 300 lt
Water weighing bunker 200 lt
Additive weighing bunker 20 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

50 kW

CEMENT SILO

Capacity 30/40/50 tons
Number of silos 1–3 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

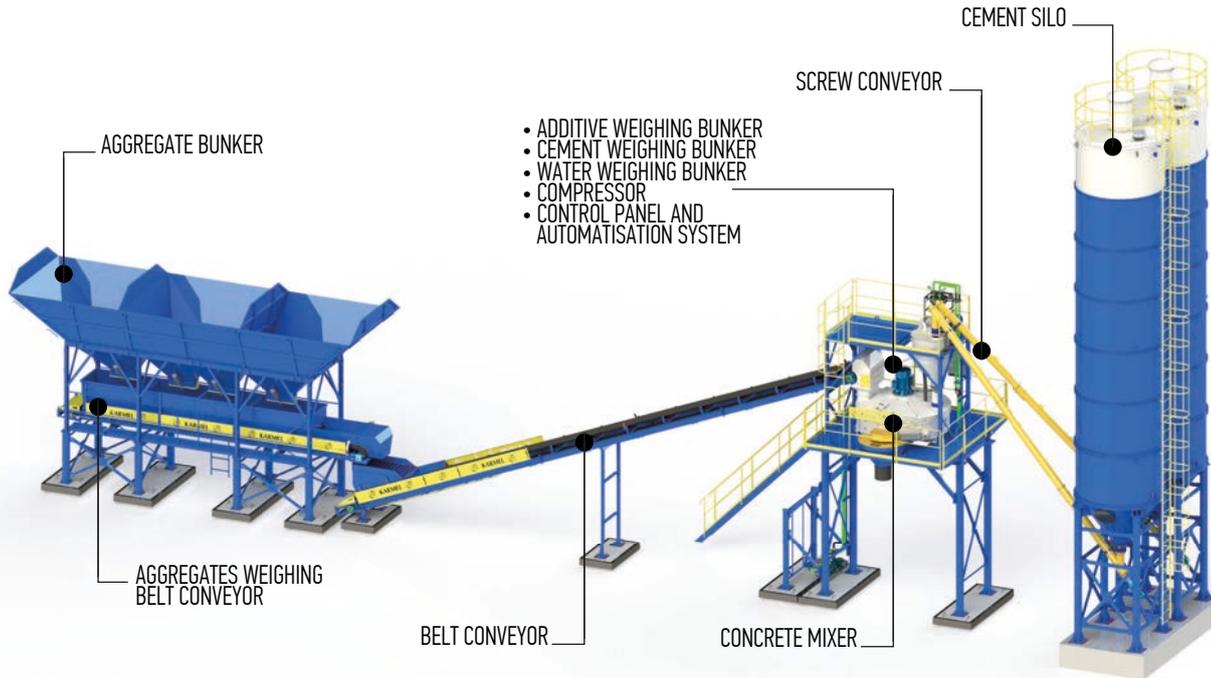
Diameter 219 mm
Length 8000 mm
Engine power 7,5 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 35 m
Width 5,7 m



KARMEL 40K STANDART



KARMEL 40K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 40 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 3x15 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 10000 mm
Engine power 11 kW
Load cell 4 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 1500 lt
Capacity of compacted concrete 1000 lt
Engine power 37 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 17000 mm
Engine power 15 kW

WEIGHING GROUP

Cement bunker 600 lt
Water weighing bunker 400 lt
Additive weighing bunker 30 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

78 kW

CEMENT SILO

Capacity 50/70/100 tons
Number of silos 1-4 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

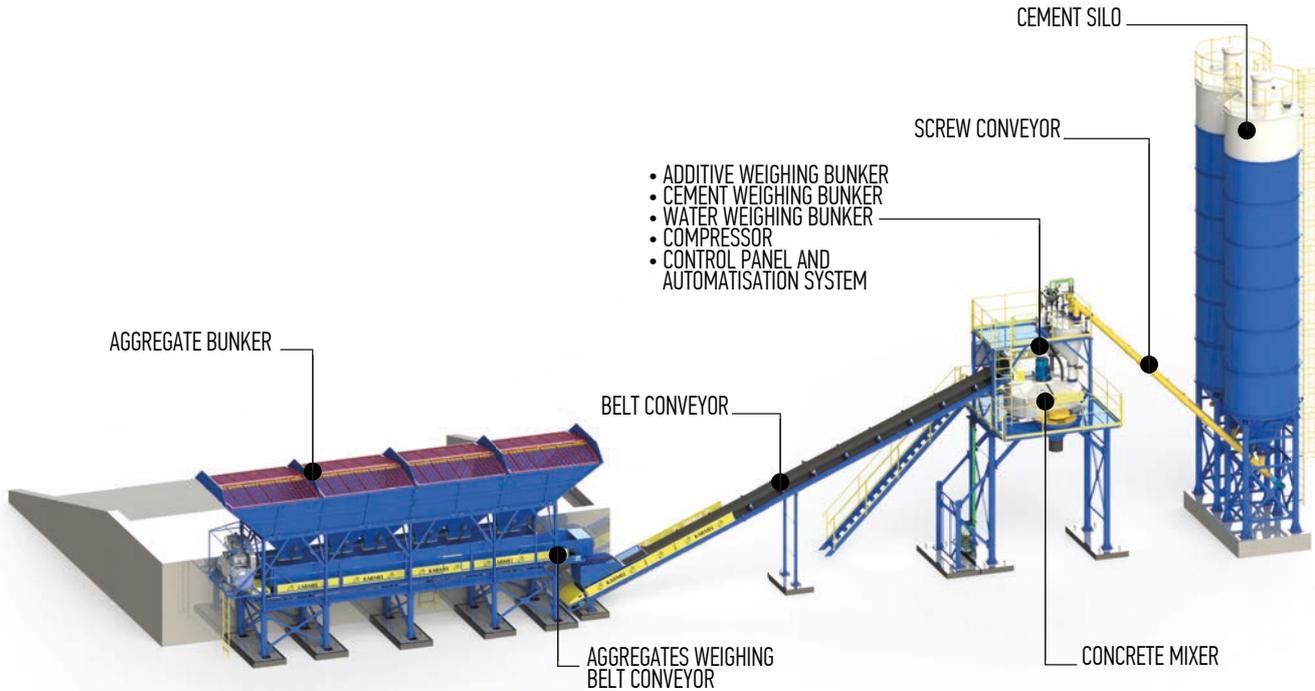
Diameter 219 mm
Length 8000 mm
Engine power 7,5 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 35 m
Width 5,7 m



KARMEL 60K STANDART



KARMEL 60K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 60 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x15 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 2250 lt
Capacity of compacted concrete 1500 lt
Engine power 45 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 17000 mm
Engine power 15 kW

WEIGHING GROUP

Cement bunker 800 lt
Water weighing bunker 500 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

94 kW

CEMENT SILO

Capacity 75/100/150/200 tons
Number of silos 1-4 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

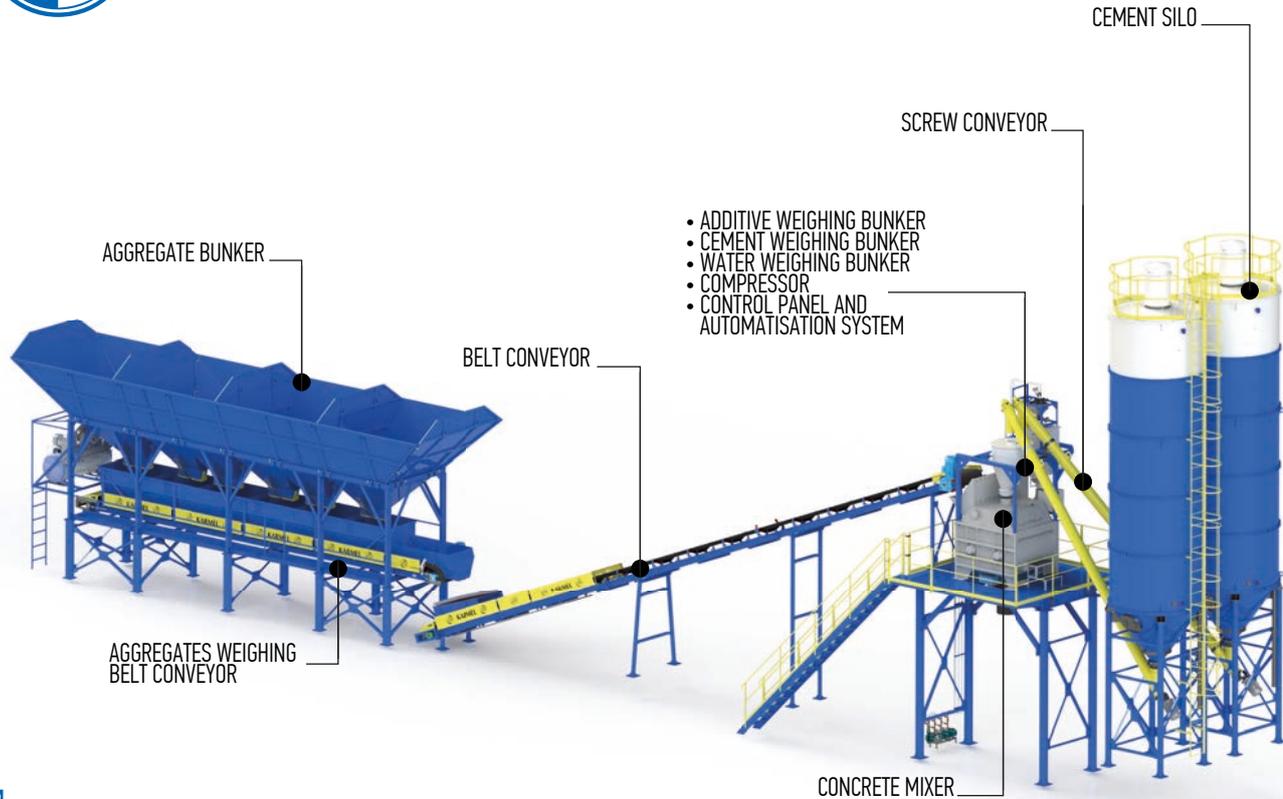
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 38 m
Width 5,7 m



KARMEL 60K PREMIUM



KARMEL 60K PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete	60 m ³ /h
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AIR COMPRESSOR

Volume	1000 lt/min
Operating pressure	12 bar
Engine power	7,5 kW

AGGREGATE BUNKER

Bunker's capacity	4x20 m ³
Bunker sieves	OPTION

AGGREGATE WEIGHTING BELT

Width	800 mm
Length	15000 mm
Engine power	15 kW
Load cell	6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type	TWIN-SHAFT
Dry concrete capacity	2250 lt
Capacity of compacted concrete	1500 lt
Engine power	45 kW

MIXER BELT CONVEYOR

Width	800 mm
Length	19000 mm
Engine power	15 kW

WEIGHING GROUP

Cement bunker	800 lt
Water weighing bunker	500 lt
Additive weighing bunker	50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

94 kW

CEMENT SILO

Capacity	75/100/150/200 tons
Number of silos	1-4 pcs.
Silo top filter	KARMEL, WAM, SCUTTI
Excessive pressure value	+

SCREW CONVEYER

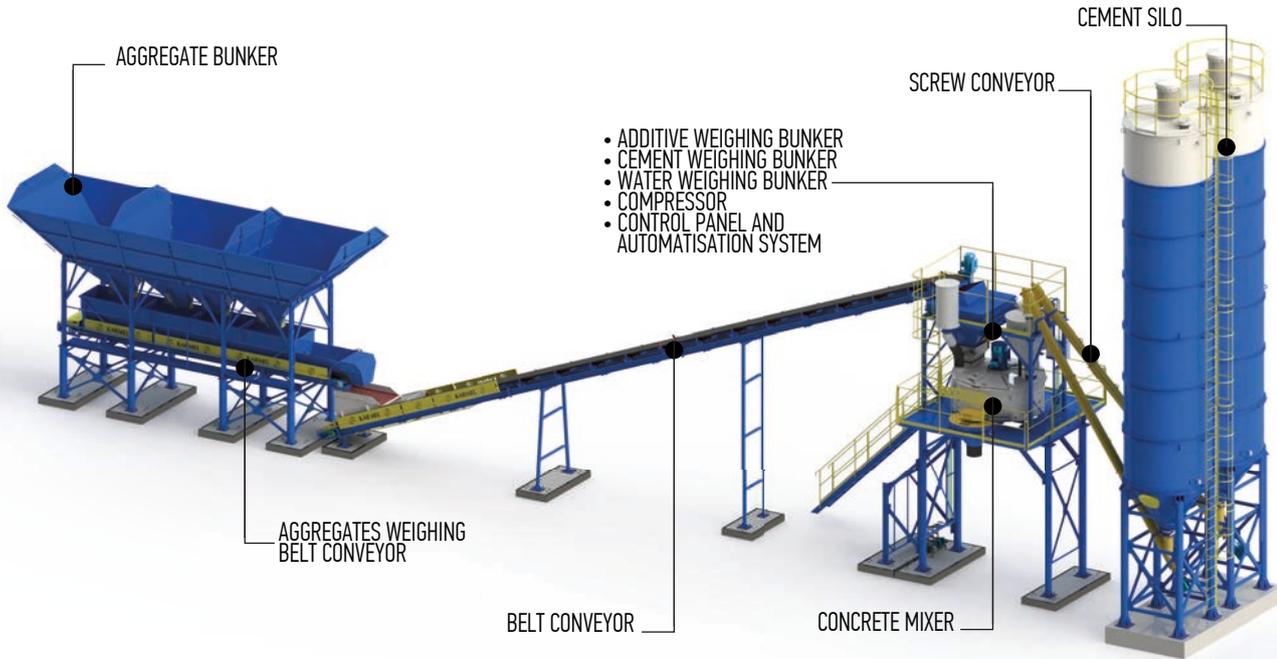
Diameter	273 mm
Length	8000 mm
Engine power	11 kW

STANDARD OVERALL DIMENSIONS

Height	13,5 m
Length	38 m
Width	5,7 m



KARMEL 70K STANDART



KARMEL 70K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 70 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 2250 lt
Capacity of compacted concrete 1500 lt
Engine power 45 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 22000 mm
Engine power 15 kW

WEIGHING GROUP

Intermediate bunker of inert 3000 kg
Cement bunker 800 lt
Water weighing bunker 500 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

94 kW

CEMENT SILO

Capacity 75/100/150/200 tons
Number of silos 1-4 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

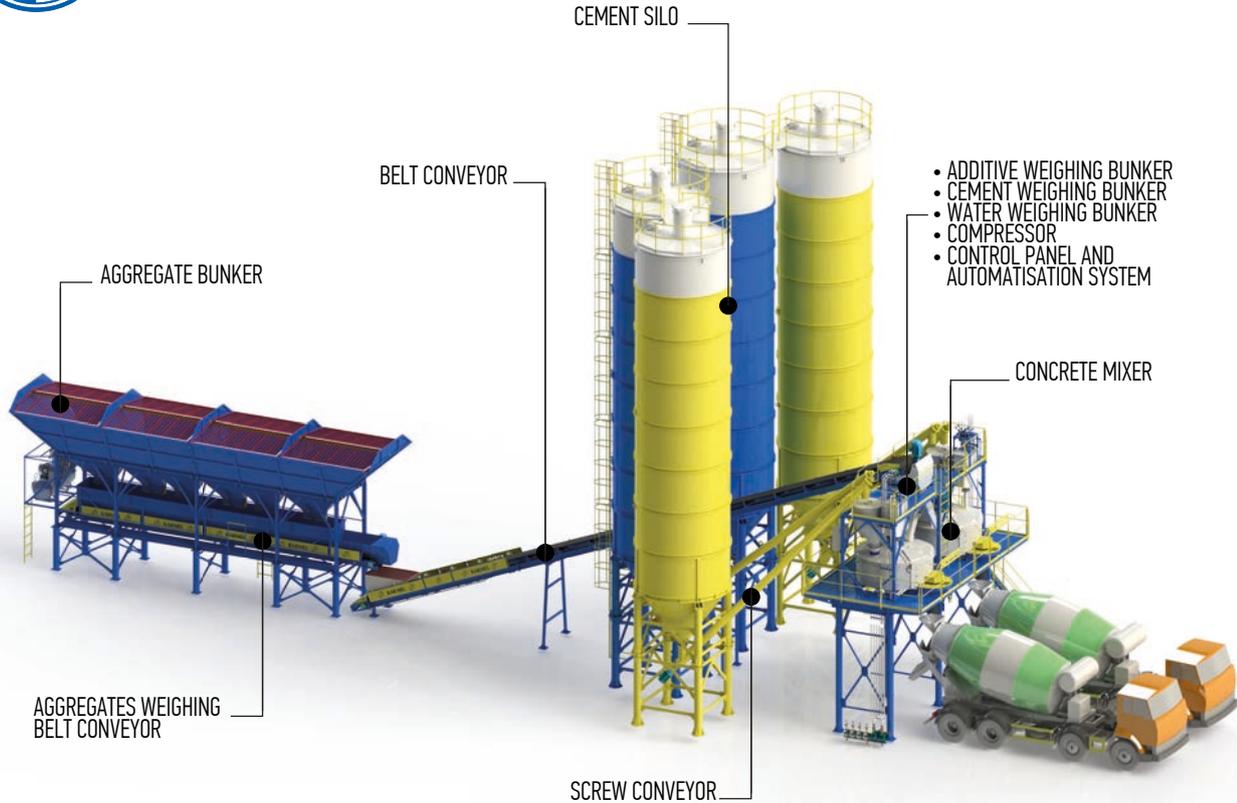
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 42 m
Width 5,7 m



KARMEL 80K STANDART



KARMEL 80K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 80 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS ×2

Mixer type ROTOR-TYPE
Dry concrete capacity 1500 lt
Capacity of compacted concrete 1000 lt
Engine power 37 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 24000 mm
Engine power 22 kW

WEIGHING GROUP ×2

Cement bunker 600 lt
Water weighing bunker 400 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

154 kW

CEMENT SILO

Capacity 75/100/150/200 tons
Number of silos 2-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

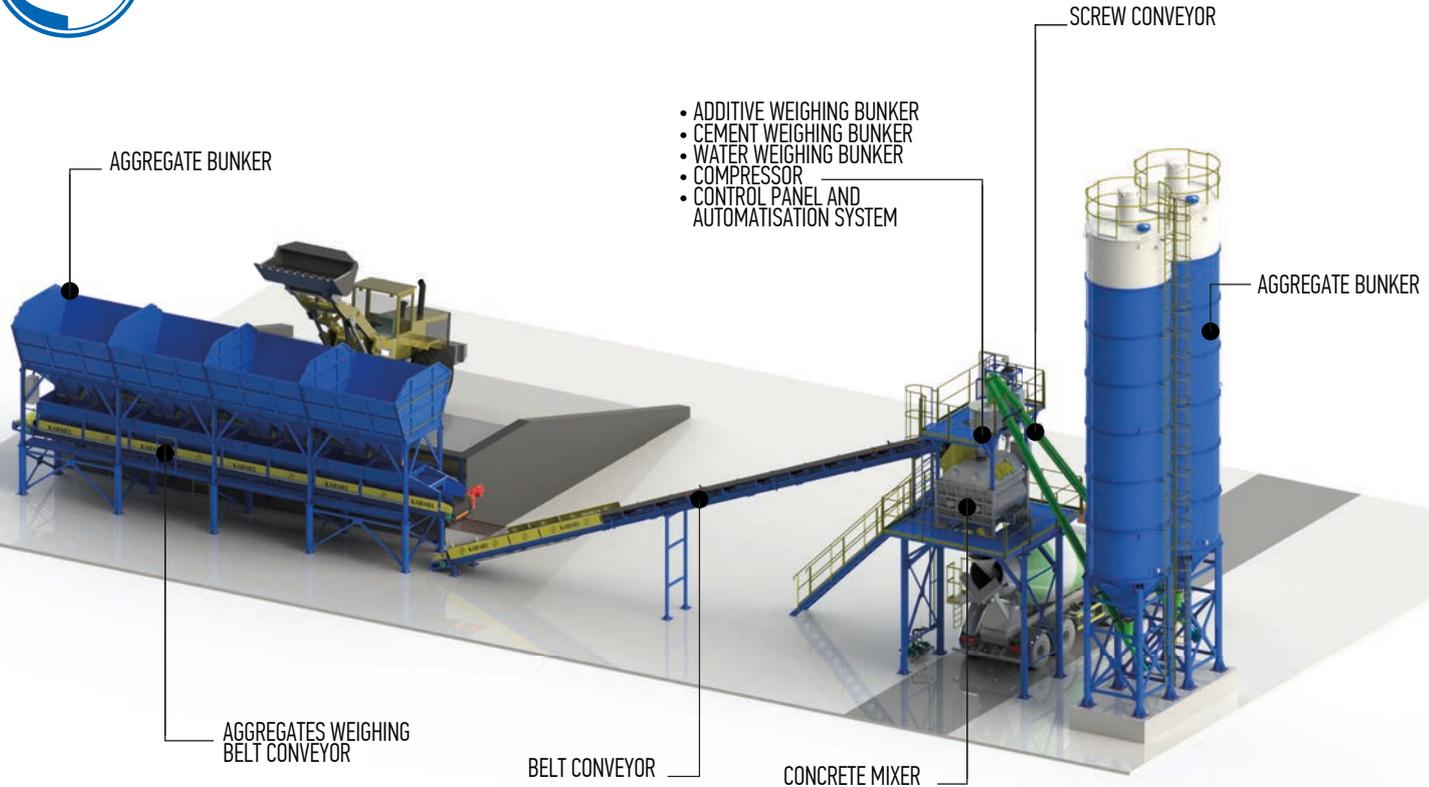
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 35 m
Width 17 m



KARMEL 80K PREMIUM



KARMEL 80K PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 80 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT
Dry concrete capacity 3000 lt
Capacity of compacted concrete 2000 lt
Engine power 2x37 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 24000 mm
Engine power 22 kW

WEIGHING GROUP

Cement bunker 1100 lt
Water weighing bunker 650 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

134 kW

CEMENT SILO

Capacity 75/100/150/200 tons
Number of silos 1-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

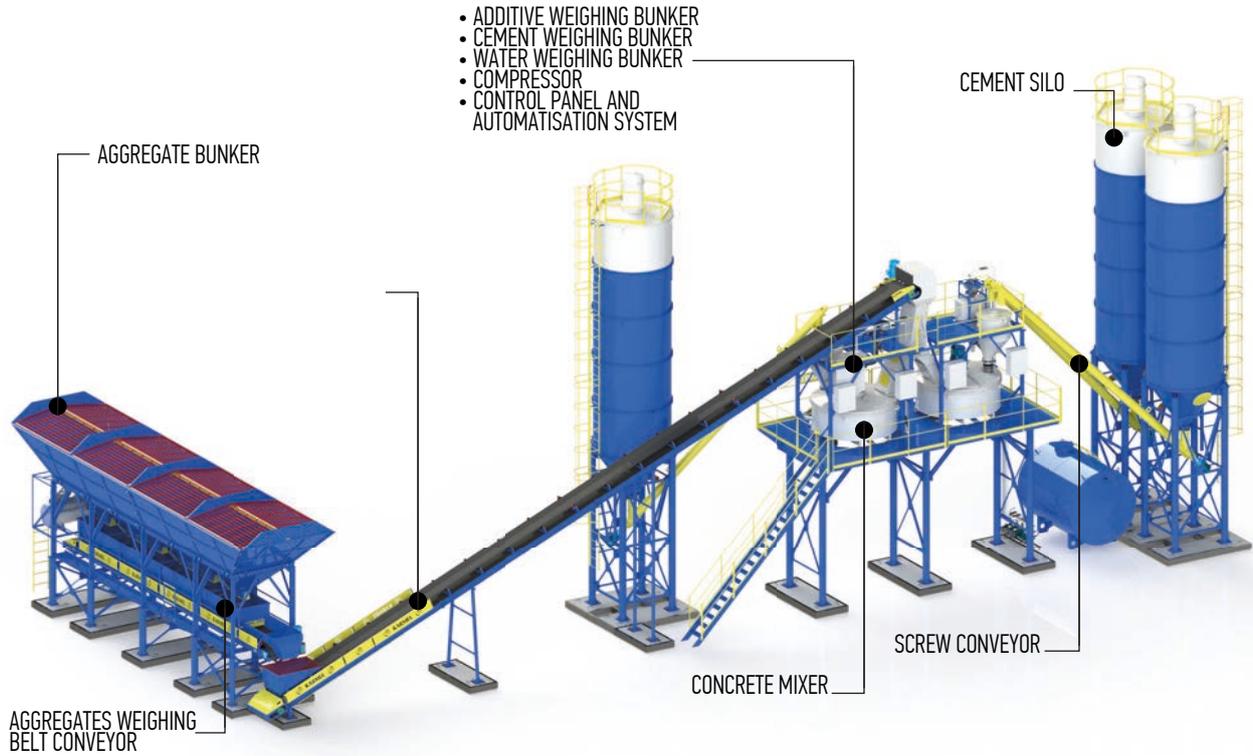
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 42 m
Width 5,7 m



KARMEL 100K STANDART



KARMEL 100K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 100 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS ×2

Mixer type ROTOR-TYPE
Dry concrete capacity 2250 lt
Capacity of compacted concrete 1500 lt
Engine power 45 kW

MIXER BELT CONVEYOR

Width 800 mm
Length 24000 mm
Engine power 22 kW

WEIGHING GROUP ×2

Cement bunker 800 lt
Water weighing bunker 500 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

156 kW

CEMENT SILO

Capacity 75/100/150/200 tons
Number of silos 2-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

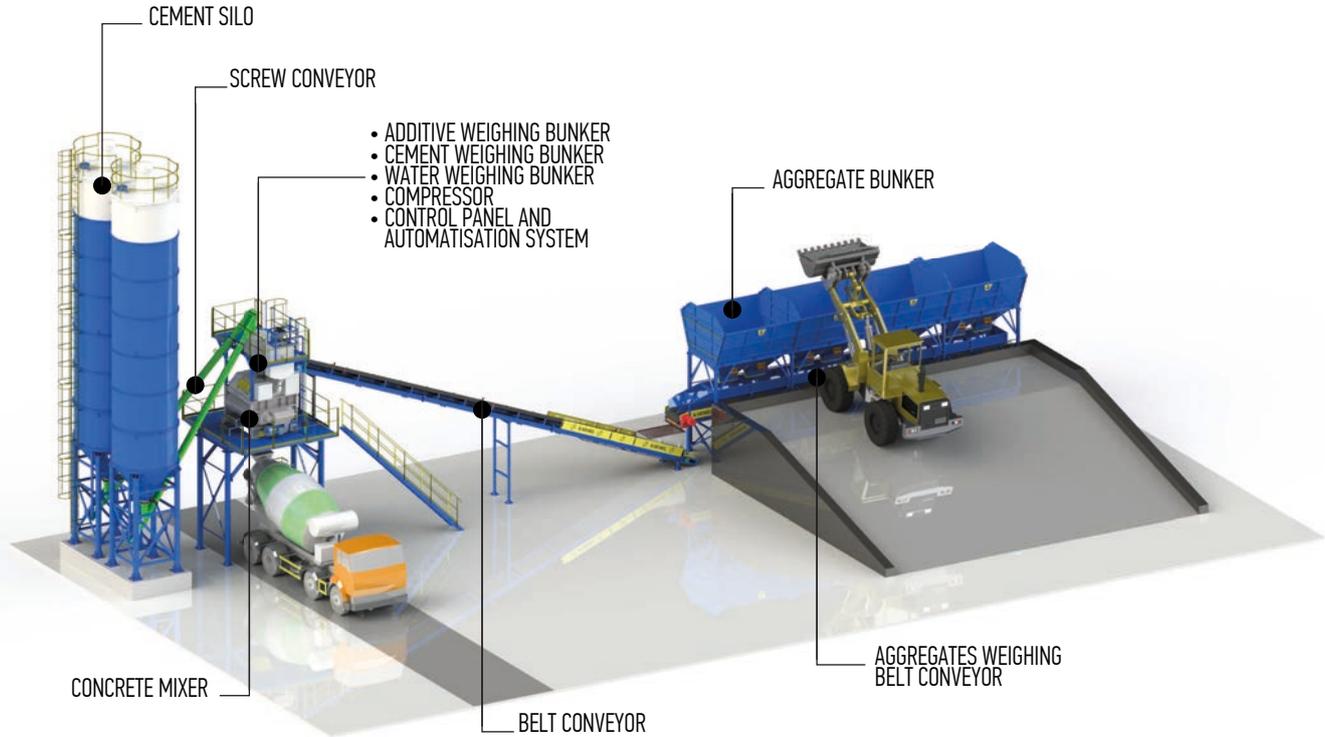
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 40 m
Width 16 m



KARMEL 100K PREMIUM



KARMEL 100K PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 100 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 1000 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT
Dry concrete capacity 3750 lt
Capacity of compacted concrete 2500 lt
Engine power 2x45 kW

MIXER BELT CONVEYOR

Width 1000 mm
Length 24000 mm
Engine power 30 kW

WEIGHING GROUP

Cement bunker 1400 lt
Water weighing bunker 900 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

154 kW

CEMENT SILO

Capacity 75/100/150/200/500 tons
Number of silos 1-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

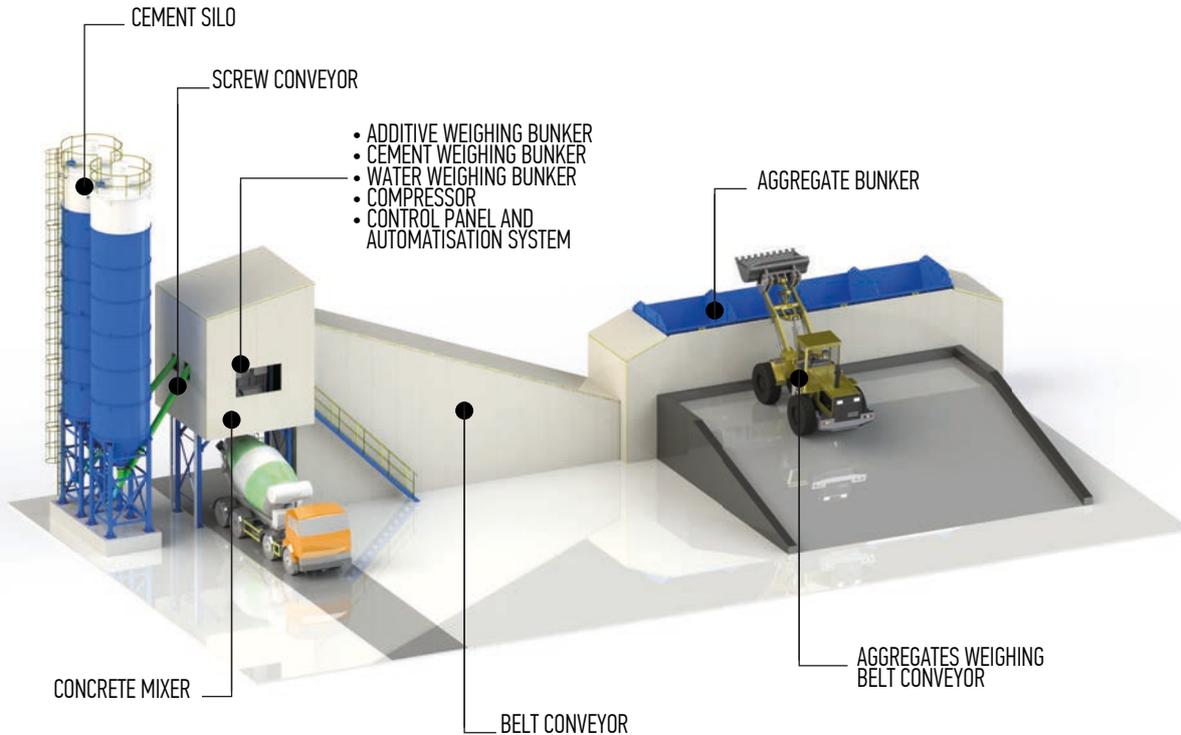
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 43 m
Width 5,7 m



KARMEL 120K PREMIUM



KARMEL 120K PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete	120 m ³ /h
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AIR COMPRESSOR

Volume	1000 lt/min
Operating pressure	12 bar
Engine power	7,5 kW

AGGREGATE BUNKER

Bunker's capacity	4x20 m ³
Bunker sieves	OPTION

AGGREGATE WEIGHTING BELT

Width	1000 mm
Length	15000 mm
Engine power	15 kW
Load cell	6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type	TWIN-SHAFT
Dry concrete capacity	4500 lt
Capacity of compacted concrete	3000 lt
Engine power	2x55 kW

MIXER BELT CONVEYOR

Width	1000 mm
Length	24000 mm
Engine power	30 kW

WEIGHING GROUP

Cement bunker	1600 lt
Water weighing bunker	1000 lt
Additive weighing bunker	50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

174 kW

CEMENT SILO

Capacity	75/100/150/200/500 tons
Number of silos	1-6 pcs.
Silo top filter	KARMEL, WAM, SCUTTI
Excessive pressure value	+

SCREW CONVEYER

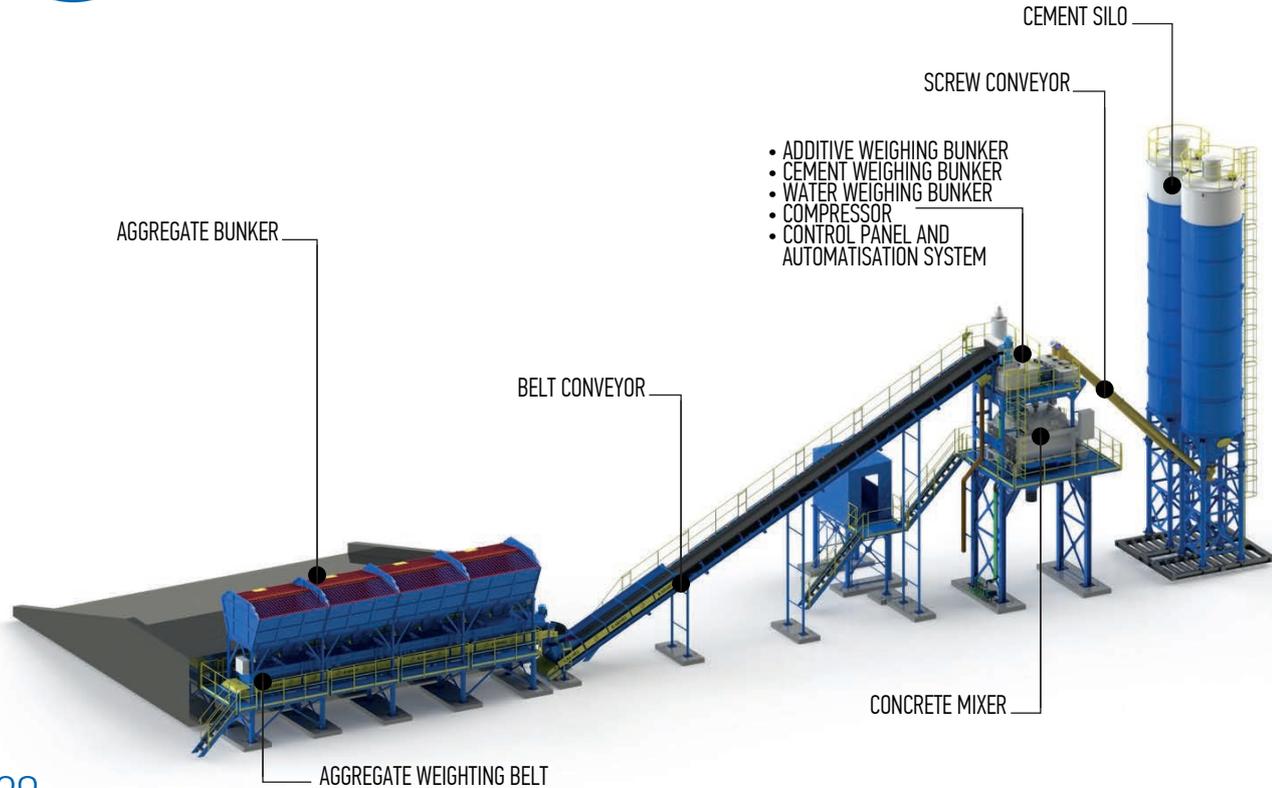
Diameter	273 mm
Length	8000 mm
Engine power	11 kW

STANDARD OVERALL DIMENSIONS

Height	13,5 m
Length	43 m
Width	5,7 m



KARMEL 130K PREMIUM



KARMEL 130K PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 130 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 1000 mm
Length 15000 mm
Engine power 22 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT
Dry concrete capacity 4500 lt
Capacity of compacted concrete 3000 lt
Engine power 2x55 kW

MIXER BELT CONVEYOR

Width 1000 mm
Length 24000 mm
Engine power 12 kW

WEIGHING GROUP

Intermediate bunker of inert 5000 kg
Cement bunker 1600 lt
Water weighing bunker 1200 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

194 kW

CEMENT SILO

Capacity 75/100/150/200/500 tons
Number of silos 1-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

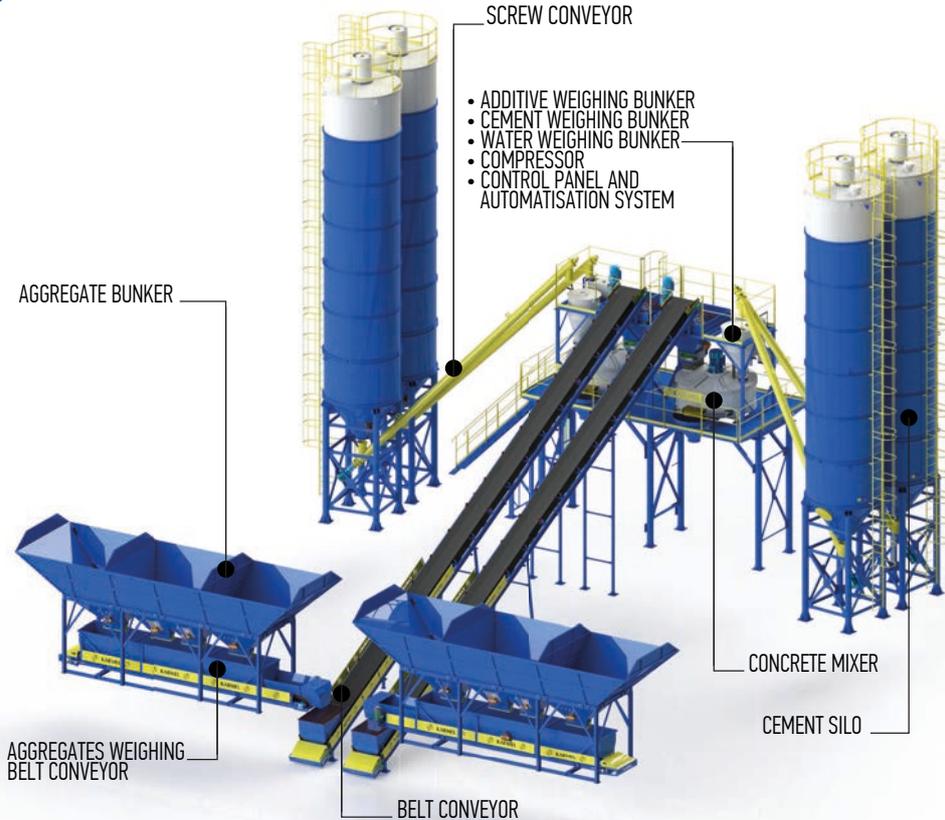
Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 43 m
Width 5,7 m



KARMEL 140K STANDART



KARMEL 140K STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 140 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER×2

Bunker's capacity 3x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHTING BELT ×2

Width 800 mm
Length 10000 mm
Engine power 11 kW
Load cell 4 x 2000 kg

MIXER SPECIFICATIONS ×2

Mixer type ROTOR-TYPE
Dry concrete capacity 2250 lt
Capacity of compacted concrete 1500 lt
Engine power 45 kW

MIXER BELT CONVEYOR×2

Width 800 mm
Length 22000 mm
Engine power 15 kW

WEIGHING GROUP ×2

Cement bunker 800 lt
Water weighing bunker 600 lt
Additive weighing bunker 50 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

172 kW

CEMENT SILO

Capacity 75/100/150/200/500 tons
Number of silos 2-6 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 24 m
Width 23 m

SKIP TYPE CONCRETE BATCHING PLANTS



KARMEL company presents a range of skip type concrete batching plants. The mode of operation of the skip type concrete batching plant has a fully automated technological process of concrete production. Weighing and loading of all components takes place automatically. The volume of these plants is from 10 to 80 m³/hour.

Advantages of KARMEL Skip type concrete batching plants

You save on the size of the construction site allocated for the installation of concrete mixing equipment. A concrete batching plant with a skip lift makes it possible to place a concrete mixing plant on an area that is unable to accommodate a conveyor.

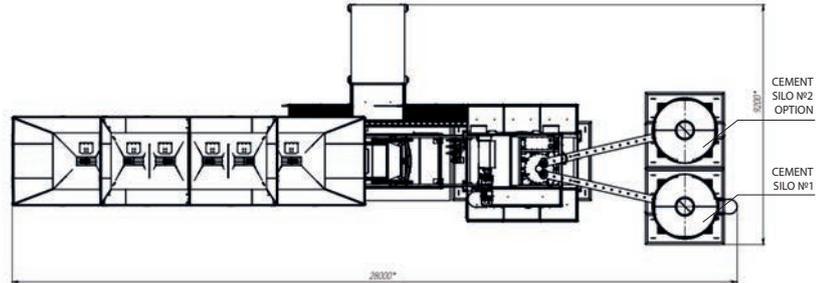
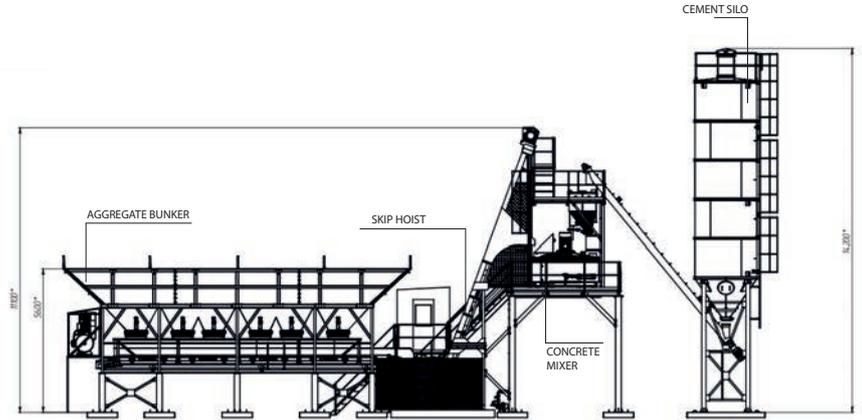
It has relatively low energy consumption, that has a significant impact on the final cost of concrete mixing plant products;

Compactness and rationality of the equipment arrangement allows concrete manufacturers to save on the space allocated for the concrete unit.

The cost of the skip is much less than the cost of the conveyor band, and that factor also reduces operating costs.

SKIP TYPE CONCRETE BATCHING PLANTS

- AGGREGATE BUNKER
 - AGGREGATE WEIGHING BUNKER
 - CEMENT WEIGHING BUNKER
 - WATER WEIGHING BUNKER
 - COMPRESSOR
 - SKIP HOIST
 - CONCRETE MIXER
 - CONTROL PANEL
- AND AUTOMATISATION SYSTEM
- CEMENT SILO
 - SCREW CONVEYOR
 - AGGREGATE SUPPLY SYSTEM





KARMEL 15C STANDART

- ADDITIVE WEIGHING BUNKER
- CEMENT WEIGHING BUNKER
- WATER WEIGHING BUNKER
- COMPRESSOR
- CONTROL PANEL AND AUTOMATISATION SYSTEM

CONCRETE MIXER

SKIP HOIST

CEMENT SILO

AGGREGATE BUNKER

AGGREGATES WEIGHING
BELT CONVEYOR



KARMEL 15C STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 15 m³/h

AIR COMPRESSOR

Volume 500 lt/min
Operating pressure 12 bar
Engine power 5,5 kW

AGGREGATE BUNKER

Bunker's capacity 2x10 m³
Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 650 mm
Length 4500 mm
Engine power 5,5 kW
Load cell 4 x 1000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 500 lt
Capacity of compacted concrete 350 lt
Engine power 15 kW

SKIP HOIST

Capacity 600 lt
Engine power 5,5 kW

WEIGHING GROUP

Cement bunker 300 lt
Water weighing bunker 200 lt
Additive weighing bunker 20 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

37 kW

CEMENT SILO

Capacity 30/40/50 tons
Number of silos 1-3 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

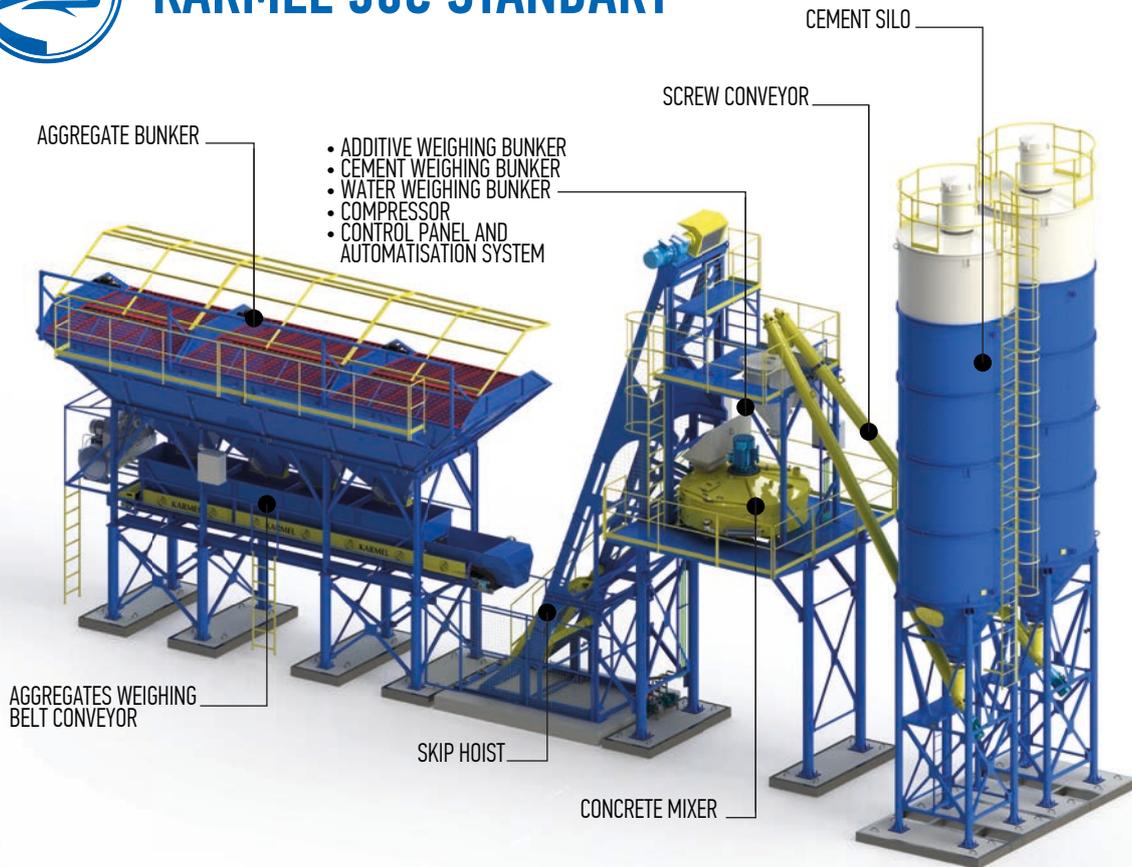
Diameter 159 mm
Length 8000 mm
Engine power 5,5 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 13 m
Width 7 m



KARMEL 30C STANDART



KARMEL 30C STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 30 m³/h

AIR COMPRESSOR

Volume 500 lt/min
Operating pressure 12 bar
Engine power 5,5 kW

AGGREGATE BUNKER

Bunker's capacity 3x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 650 mm
Length 10000 mm
Engine power 7,5 kW
Load cell 4 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 750 lt
Capacity of compacted concrete 500 lt
Engine power 18 kW

SKIP HOIST

Capacity 1000 lt
Engine power 11 kW

WEIGHING GROUP

Cement bunker 300 lt
Water weighing bunker 200 lt
Additive weighing bunker 20 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

50 kW

CEMENT SILO

Capacity 30/40/50 tons
Number of silos 1-3 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

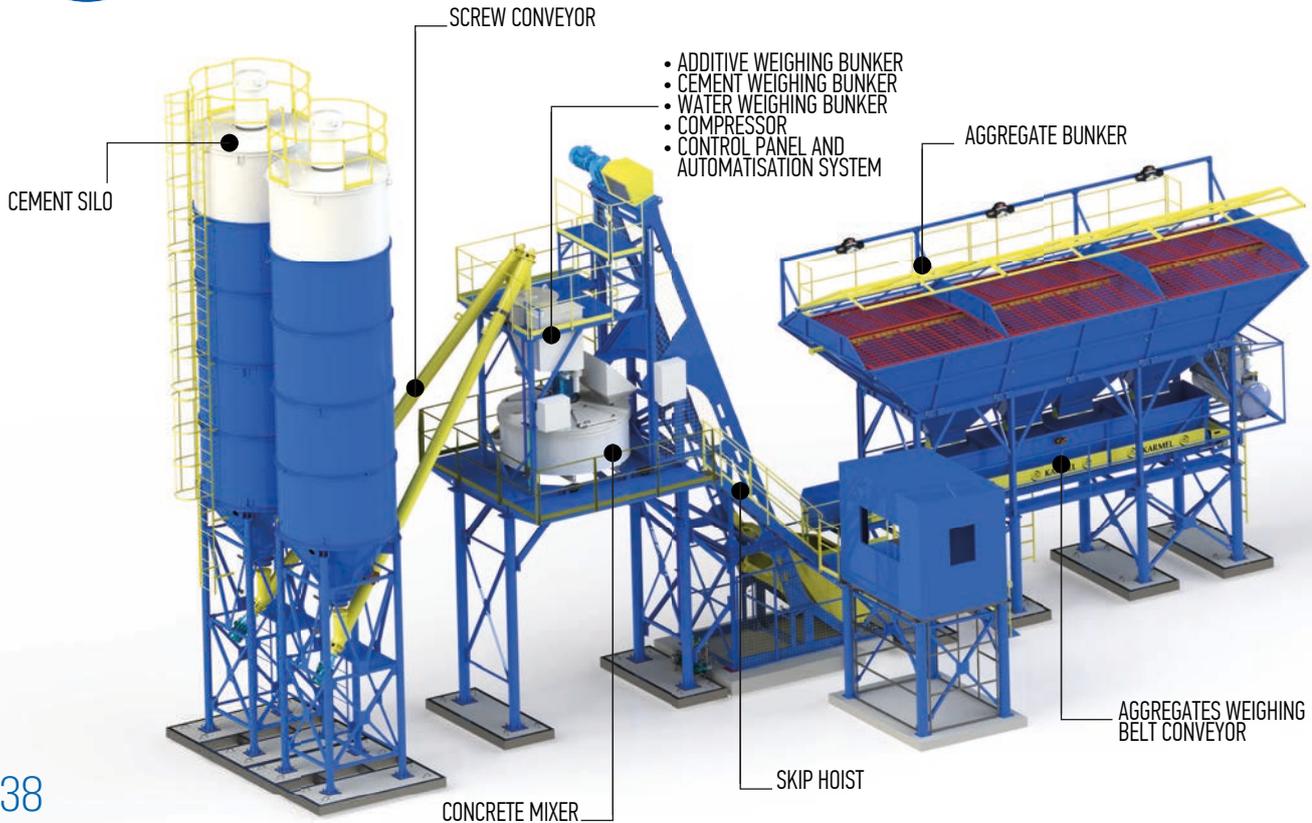
Diameter 219 mm
Length 8000 mm
Engine power 7,5 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 25 m
Width 9,2 m



KARMEL 40C STANDART



KARMEL 40C STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 40 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 3x20 m³
Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 800 mm
Length 10000 mm
Engine power 11 kW
Load cell 4 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 1500 lt
Capacity of compacted concrete 1000 lt
Engine power 37 kW

SKIP HOIST

Capacity 2000 lt
Engine power 15 kW

WEIGHING GROUP

Cement bunker 600 lt
Water weighing bunker 400 lt
Additive weighing bunker 30 lt

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

78 kW

CEMENT SILO

Capacity 30/50/75/100 tons
Number of silos 1-4 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

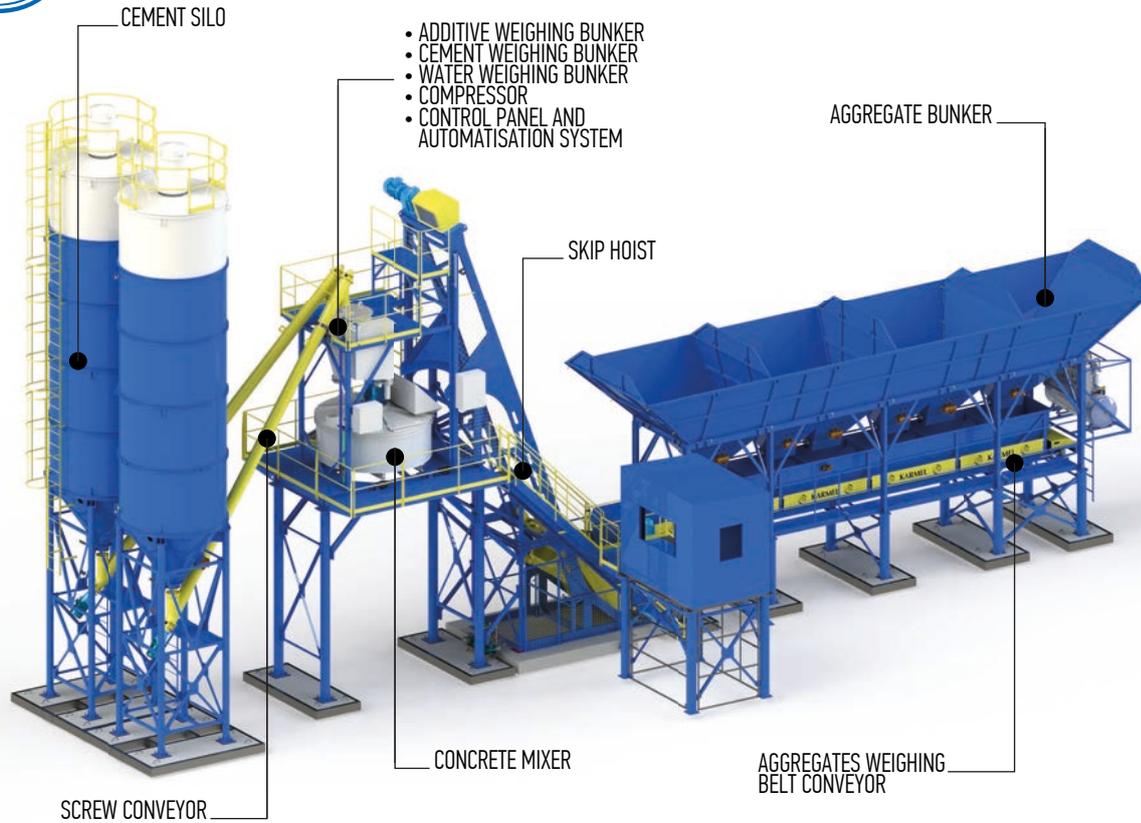
Diameter 219 mm
Length 8000 mm
Engine power 7,5 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 25 m
Width 9,2 m



KARMEL 60C STANDART



KARMEL 60C STANDART

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 60 m³/h

AIR COMPRESSOR

Volume 1000 lt/min
Operating pressure 12 bar
Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x15 m³
Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 800 mm
Length 15000 mm
Engine power 15 kW
Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type ROTOR-TYPE
Dry concrete capacity 2250 lt
Capacity of compacted concrete 1500 lt
Engine power 45 kW

SKIP HOIST

Capacity 3000 lt
Engine power 30 kW

WEIGHING GROUP

Cement bunker 800 lt
Water weighing bunker 500 lt
Additive weighing bunker 50 lt

CEMENT SILO

Capacity 75/100/150/200/500 tons
Number of silos 1-4 pcs.
Silo top filter KARMEL, WAM, SCUTTI
Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm
Length 8000 mm
Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m
Length 28 m
Width 9,2 m

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

109 kW



KARMEI 80C PREMIUM

- ADDITIVE WEIGHING BUNKER
- CEMENT WEIGHING BUNKER
- WATER WEIGHING BUNKER
- COMPRESSOR
- CONTROL PANEL AND AUTOMATISATION SYSTEM

AGGREGATES WEIGHING
BELT CONVEYOR

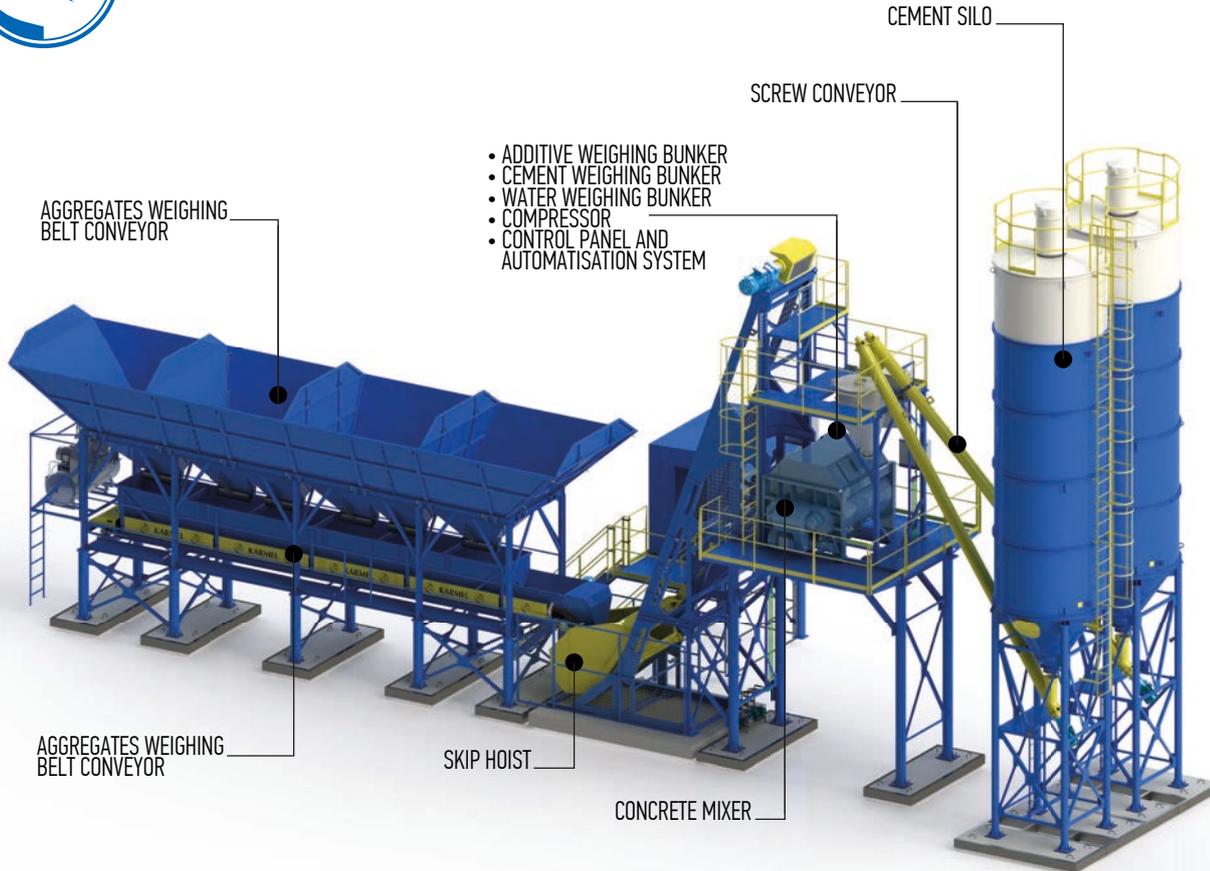
AGGREGATES WEIGHING
BELT CONVEYOR

SKIP HOIST

CONCRETE MIXER

SCREW CONVEYOR

CEMENT SILO



CONCRETE PLANT'S CAPACITY

Compacted concrete 80 m³/h

AIR COMPRESSOR

Volume 1000 lt/min

Operating pressure 12 bar

Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³

Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 800 mm

Length 15000 mm

Engine power 15 kW

Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT

Dry concrete capacity 3000 lt

Capacity of compacted concrete 2000 lt

Engine power 2 X 37 kW

SKIP HOIST

Capacity 3500 lt

Engine power 30 kW

WEIGHING GROUP

Cement bunker 1100 lt

Water weighing bunker 650 lt

Additive weighing bunker 50 lt

CEMENT SILO

Capacity 75/100/150/200 tons

Number of silos 1-6 pcs.

Silo top filter KARMEL, WAM, SCUTTII

Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm

Length 8000 mm

Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m

Length 28 m

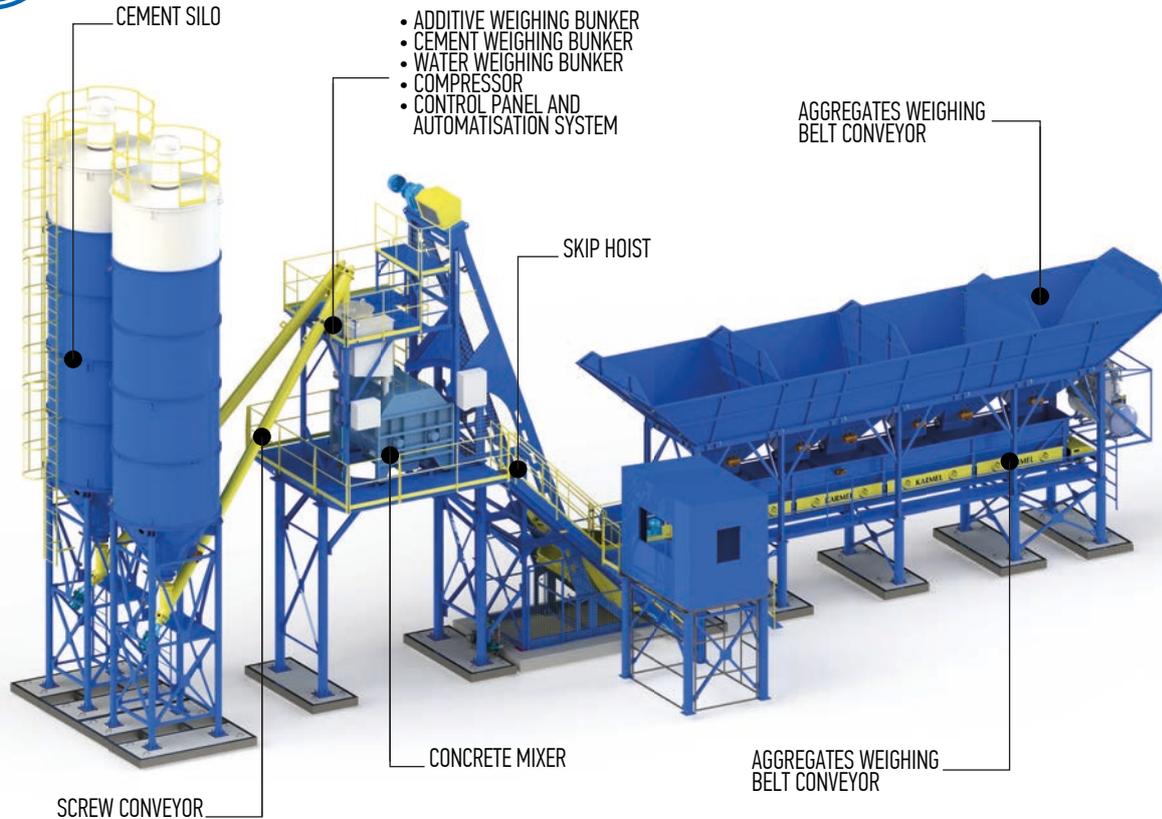
Width 9,2 m

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

138 kW



KARMEL 100C PREMIUM



KARMEL 100C PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 80 m³/h

AIR COMPRESSOR

Volume 1000 lt/min

Operating pressure 12 bar

Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³

Bunker sieves OPTION

AGGREGATE WEIGHING BELT

Width 1000 mm

Length 15000 mm

Engine power 22 kW

Load cell 6 x 2000 kg

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT

Dry concrete capacity 3750 lt

Capacity of compacted concrete 2500 lt

Engine power 2 X 45 kW

SKIP HOIST

Capacity 4000 lt

Engine power 37 kW

WEIGHING GROUP

Cement bunker 1400 kg

Water weighing bunker 900 lt

Additive weighing bunker 50 kg

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

160 kW

CEMENT SILO

Capacity 75/100/150/200/500 tons

Number of silos 1-6 pcs.

Silo top filter KARMEL, WAM, SCUTTI

Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm

Length 8000 mm

Engine power 11 kW

STANDARD OVERALL DIMENSIONS

Height 13,5 m

Length 28 m

Width 9,2 m

SOIL MIXER KARMEL



SOIL MIXER KARMEL KARMEL-250 / KARMEL-500

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Capacity 250/500 m³/h

AIR COMPRESSOR

Volume 1000 lt/min

Operating pressure 12 bar

Engine power 7,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x20 m³

Bunker sieves OPTION

AGGREGATE WEIGHTING BELT

Width 800 mm

Length 15000 mm

Engine power 15 kW

MIXER SPECIFICATIONS

Mixer type БЕЗПЕРЕПВНОЇ ДІЇ

Engine power 37 kW / 2 x 37 kW

Mixing blade 28+28 / 32+32

Mixer weight 5500/8000 kg

READY MIXTURE BUNKER

Capacity 5 m³

WATER TANK

Capacity 12 m³

STANDARD OVERALL DIMENSIONS

Height 10 m

Length 25 m

Width 16 m

CEMENT SILO

Capacity 75/100/150/200/500 tons

Number of silos 1-6 pcs.

Silo top filter KARMEL, WAM, SCUTTI

Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm

Length 8000 mm

Engine power 11 kW

INSTALLED
CAPACITY

67/104 kW

MOBILE PLANTS ON CHASSIS



Due to difficulties during transportation and installation of concrete equipment, KARMEL has developed a compact concrete batching plant with an integrated "plug and operate" system.

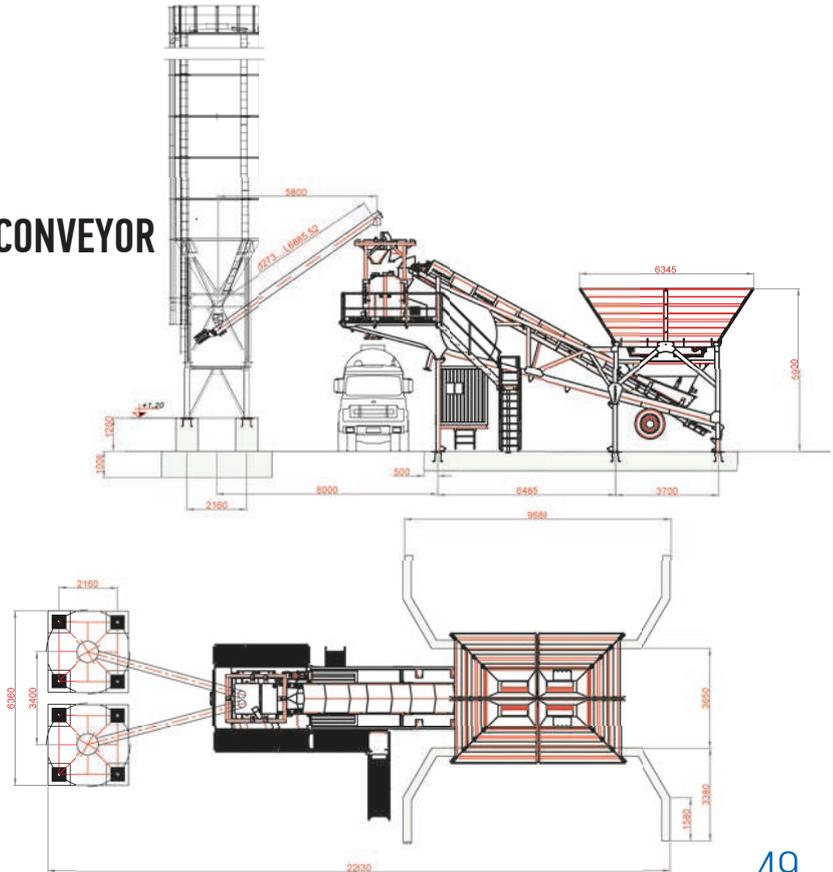
KARMEL concrete mixing plant with integrated "plug and operate" system has an advantageous transport and functional feature of field and construction mobilization as well as of concrete production.

KARMEL concrete batching plant with the "plug and operate" system is equipped with all necessary equipment, and comes with all functions and electrical wires.

It simplifies installation works on the construction site. The plant is started in a very short time.

MOBILE PLANTS ON CHASSIS

- AGGREGATE BUNKER
- AGGREGATE WEIGHING BUNKER
- AGGREGATE TRANSPORTATION BELT CONVEYOR
- COMPRESSOR
- WATER WEIGHING BUNKER
- CEMENT WEIGHING BUNKER
- CONCRETE MIXER
- CONTROL PANEL
AND AUTOMATISATION SYSTEM
- SCREW CONVEYOR
- CEMENT SILO





KARMEL M30 PREMIUM



KARMEL M30 PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete	30 m ³ /h
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AIR COMPRESSOR

Volume	514 lt/min
Operating pressure	8-10 bar
Engine power	4 kW

AGGREGATE BUNKER

Bunker's capacity	4x4,5 m ³
Bunker sieves	OPTION

MIXER SPECIFICATIONS

Mixer type	ПЛАНЕТАРНИЙ
Dry concrete capacity	750 lt
Capacity of compacted concrete	500 lt
Engine power	22 kW

MIXER BELT CONVEYOR

Width	800 mm
Length	13000 mm
Engine power	15 kW

WEIGHING GROUP

Aggregate weighting belt	1300 kg
Cement bunker	350 lt
Water weighing bunker	200 lt
Additive weighing bunker	20 lt

CEMENT SILO

Capacity	30/40/50/75 tons
Number of silos	1-3 pcs.
Silo top filter	KARMEL, WAM, SCUTTI
Excessive pressure value	+

SCREW CONVEYER

Diameter	219 mm
Length	8000 mm
Engine power	7,5 kW

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

48 kW



KARMEL M60 PREMIUM



KARMEL M60 PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete	60 m ³ /r
--------------------	----------------------

AIR COMPRESSOR

Volume	830 lt/min
Operating pressure	12 bar
Engine power	5,5 kW

AGGREGATE BUNKER

Bunker's capacity	4x10 m ³
Bunker sieves	OPTION

MIXER SPECIFICATIONS

Mixer type	ОДНОВАЛЬНИЙ
Dry concrete capacity	1500 lt
Capacity of compacted concrete	1000 lt
Engine power	37 kW

MIXER BELT CONVEYOR

Width	800 mm
Length	11000 mm
Engine power	15 kW

WEIGHING GROUP

Aggregate weighting belt	3000 kg
Cement bunker	600 lt
Water weighing bunker	350 lt
Additive weighing bunker	30 lt

CEMENT SILO

Capacity	30/50/75/100 tons
Number of silos	1-6 pcs.
Silo top filter	KARMEL, WAM, SCUTTI
Excessive pressure value	+

SCREW CONVEYER

Diameter	219 mm
Length	8000 mm
Engine power	7,5 kW

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

65 kW



KARMEL M100 PREMIUM



KARMEL M100 PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete 100 m³/h

AIR COMPRESSOR

Volume 830 lt/min

Operating pressure 12 bar

Engine power 5,5 kW

AGGREGATE BUNKER

Bunker's capacity 4x11,25 m³

Bunker sieves OPTION

MIXER SPECIFICATIONS

Mixer type TWIN-SHAFT

Dry concrete capacity 3000 lt

Capacity of compacted concrete 2000 lt

Engine power 2x37 kW

MIXER BELT CONVEYOR

Width 1000 mm

Length 11500 mm

Engine power 15 kW

WEIGHING GROUP

Aggregate weighting belt 5000 kg

Cement bunker 1100 lt

Water weighing bunker 600 lt

Additive weighing bunker 50 lt

CEMENT SILO

Capacity 75/100/150/200 tons

Number of silos 1-4 pcs.

Silo top filter KARMEL, WAM, SCUTTI

Excessive pressure value +

SCREW CONVEYER

Diameter 273 mm

Length 8000 mm

Engine power 11 kW

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

106 kW



KARMEL M120 PREMIUM



KARMEL M120 PREMIUM

SPECIFICATIONS

CONCRETE PLANT'S CAPACITY

Compacted concrete	120 m ³ /h
--------------------	-----------------------

AIR COMPRESSOR

Volume	830 lt/min
Operating pressure	12 bar
Engine power	7,5 kW

AGGREGATE BUNKER

Bunker's capacity	4x15 m ³
Bunker sieves	OPTION

MIXER SPECIFICATIONS

Mixer type	TWIN-SHAFT
Dry concrete capacity	4500 lt
Capacity of compacted concrete	3000 lt
Engine power	2x55 kW

MIXER BELT CONVEYOR

Width	1000 mm
Length	13200 mm
Engine power	15 kW

WEIGHING GROUP

Aggregate weighting belt	5700 kg
Cement bunker	1900 lt
Water weighing bunker	1100 lt
Additive weighing bunker	50 lt

CEMENT SILO

Capacity	75/100/150 tons
Number of silos	1-6 pcs.
Silo top filter	KARMEL, WAM, SCUTTI
Excessive preasure value	+

SCREW CONVEYER

Diameter	273 mm
Length	8000 mm
Engine power	11 kW

INSTALLED CAPACITY
OF CONCRETE BATCHING PLANT

144 kW

DISTRIBUTOR OF INERT MATERIALS KARMEL



DISTRIBUTOR OF INERT MATERIALS

SPECIFICATIONS

CAPACITY

Volume up to 150 m³/h

POSITION

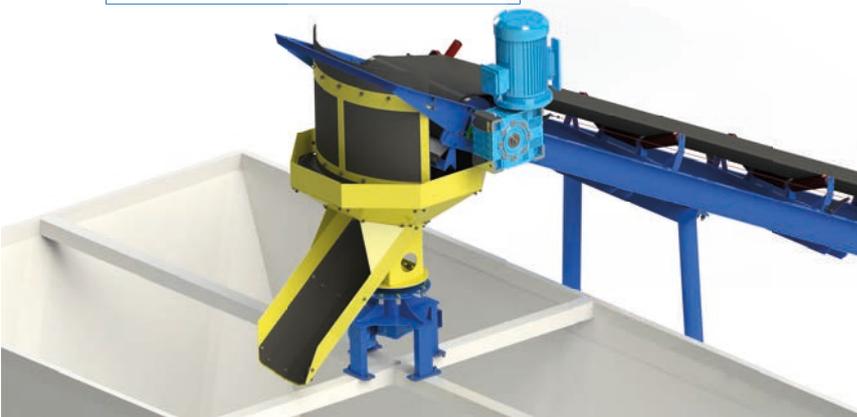
Position of the distributor of inerts 4

AGGREGATE BUNKER

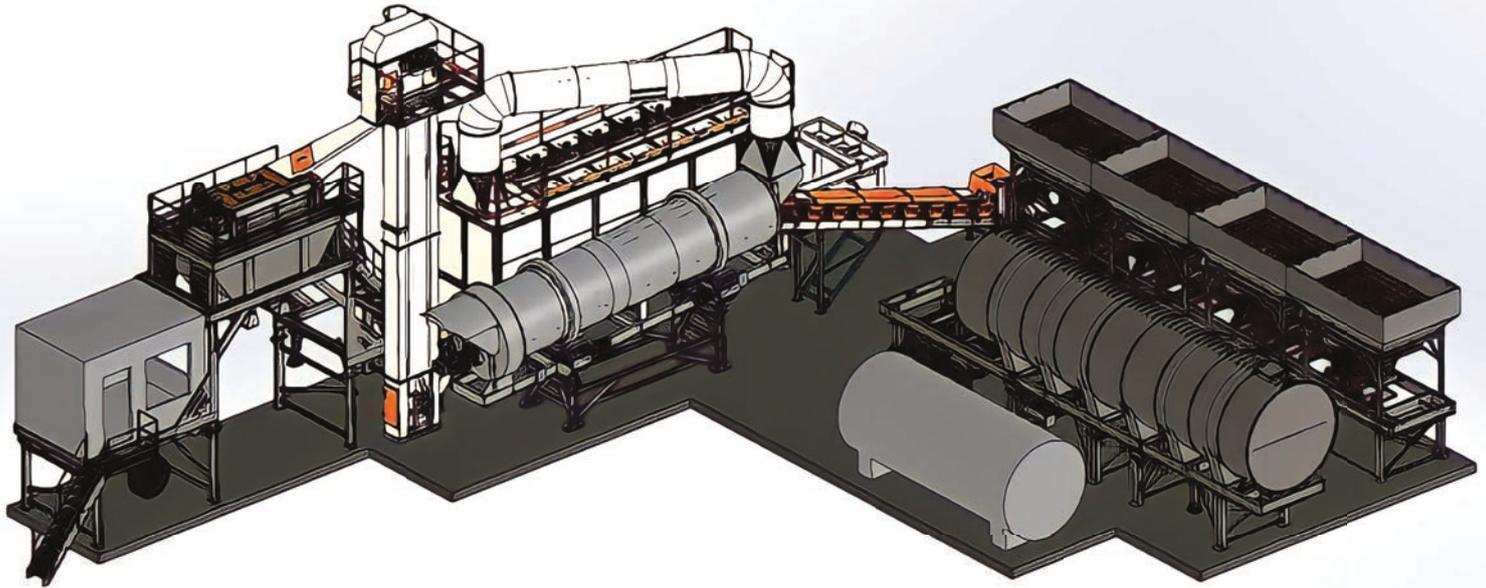
Bunker's capacity 8 m³
Bunker sieves OPTION

CONVEYOR OF INERT MATERIALS

Width 800 mm
Length 22000 mm
Engine power ≈ 15 kW



ASPHALT-CONCRETE PLANT KARMEL



5 AGGREGATE BUNKERS

1. 5 skips with the capacity of bunker cell of 20 m³ each
2. Loading width: 3300 mm
3. Vibration motor: 0.37 kW, 1500 rpm for screening
4. 5 x bunker feeders of 3 kW each
5. Frequency converters for controlling the rotation speed of the bunker feeder
6. Material availability sensor
7. 800 mm conveyor, 15 kw drive

COUNTERCURRENT DRYING DRUM

1. Drum feeding conveyor 800 mm wide.
2. Drying drum (diameter: 2.2 m.; length: 9 m.)
3. The thickness of the drum walls is 12 mm
4. 4 x drives for rotating the drum, with a motor power of 18.5 kW each
5. The angle of the drum inclination is 4.5 °
6. Burner 14,000,000 kcal/h (diesel or gas)
7. Burner supercharger 22 kW
8. Fuel pump

MIXING TOWER

1. Bucket elevator with a capacity of 220 t/h
2. Vibrating screen for 5 dec
3. 5 x hot pockets with a total capacity of 40 tons
4. Pneumatic cylinder for each hot pocket
5. Material level sensor for each hot pocket
6. High temperature sensor for hot pocket with screenings
7. The scales of heated stone material is 3000 kg
8. The scales of bitumen binder is 500 kg
9. The scales of mineral powder/dust is 500 kg
10. Mixing chamber for 3000 kg, with 2x37 kW gear motor
11. Armor thickness 20 mm
12. Air compressor with expansion tank for 1000 liters
13. Pipelines for bitumen, thermal oil, fuel
14. Stairs and platforms

SLEEVE FILTER

1. Sleeve filter 700 m²
2. Reverse pulsating air system for cleaning
3. Exhaust fan of 80,000 m³, motor power 110 kW
4. Dust hopper receiver with fill rate sensor
5. Air valve with electric drive
6. Screw conveyer for unloading material

DRY ADDITIVES FEEDING SYSTEM

1. Screw conveyer for dust supply
2. Scales
3. Silo 50 m³

CELLULOSE DOSAGE SYSTEM

1. Screw conveyer for mineral powder supply
2. Screw rotation speed sensor

MINERAL POWDER DOSAGE SYSTEM

1. Screw conveyer for mineral powder supply
2. Scales
3. Silo 50 m³

MOBILE CONTROL ROOM WITH CONTROL SYSTEM

1. TTS Plant Management System Control
2. Control room(width: 2.45 m, length: 8 m)
3. Conditioner

READY MIXTURE STORAGE BUNKER OF 50 TONS

1. Skip for ready mix of 50 tons in total with insulating shield
2. Filling level sensor
3. Heating of the unloading compartment with thermal oil
4. Stairs, platform

THERMAL OIL HEATER

1. Thermal oil heater, capacity 1,000,000 kcal/hour
2. Thermal oil circulation pump
3. Oil filter, burner with automatic ignition control, electrical panel
4. Thermal oil level indicator

SILO WAREHOUSES

Karmel produces high-quality cement silos (cement warehouses). We manufacture both standard silos for cement, sand and inert materials and under non standard, specific the order. We produce cement silos: bolted, vertical and horizontal.

Basic equipment of the cement warehouse:

- Cement silo
- Frame (supports)
- Ladder
- Top fence
- Pipe for loading material
- Inspection hatch

Additional equipment:

- Cement level sensors
- Excessive pressure valve
- Top filter (manual and automatic)
- Aeration
- Vibrator
- Butterfly valve (manual and automatic)



SILO WAREHOUSES

SPECIFICATIONS

Number of belts Vol., Ton
 m³ (cement)

D=2400mm. METAL 4mm.

2	16.2	20
3	22.9	30
4	29.6	40
5	36.3	50

D=2500mm. METAL 5mm.

6	47	60
7	55	75

D=3000mm. METAL 6-5mm.

6	69.9	90
7	80.7	100
8	91.5	120

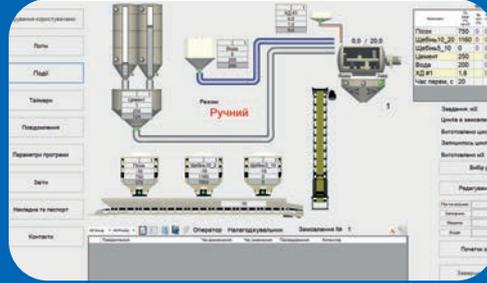
D=3200mm. METAL 5mm.

8	104.4	140
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*calculated for bulk density 1.3

AUTOMATISATION SYSTEM AND CONTROL PANEL KARMEL

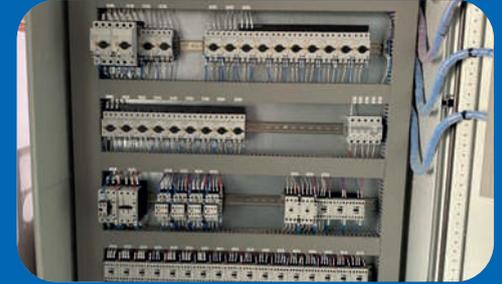


The entire process of production of finished concrete is carried out under the control of a computer based on an automatic dosing system. To begin with, the desired recipe for the concrete mixture is entered into the system, as soon as the command is given to release the required amount of the recipe (inert material, cement, water, additives) passes through automatic weighing.

After mixing the inert material on an inert belt, it is transferred to a mixer; cement is accumulated in a cement silo and then transferred from there to a cement skip. The additive mixture is mixed in a small tank and poured into a water tank to be transferred to the mixer. After the entire components of the mixture are poured into the mixer, the mixing process begins; after the mixture comes to a ready state, the finished mixture is delivered to the transmixer.

After the automatic production process, the computer issues a printed report: it is not only an accounting report, but a technical document that shows the identity of the specification of the prepared concrete mix to the ordered recipe. When we talk about automation at a ready-made concrete plant, it is not only production based on automatic dosing. Automation of dosing is the most important technical part of the plant. The automation system requires to have monitoring, production report, emergency tracking, order management, production planning, material availability control, laboratory control reports, and other functions.

AUTOMATISATION SYSTEM AND CONTROL PANEL



We offer modern solutions for automatization and modernization of production or technological processes (automatization control systems):

- Search for opportunities to improve the efficiency of equipment;
- Modernization recommendations for the of existing automatization control systems;
- Development of solutions and software, design of automatization control systems;
- Installation and installation supervision;
- Commissioning works;
- Warranty, after-warranty service.

We offer automation from the management of individual processes to the creation of complex automatization systems.

CERTIFICATES

CERTIFICATE

for the management system according to ISO 9001:2015

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company



PRIVATE ENTERPRISE
"KARMEЛ"
117, Romaia Shukhivicha str.,
29215, Khmelnitskyi, Ukraine

Scope

Manufacturing of concrete mixing plants, equipment for dry building mixes, screw loaders, water towers, equipment for sorting municipal solid waste, warehouses for cement.

Certificate Registration No.: TIC 15 100 201095 Valid until: 2025-08-03
Valid from: 2023-08-10

Audit Report No.: 3330 XCEA 00

This certification was conducted in accordance with the TIC auditing and certification procedures and in accord to regular surveillance audits.

TIC Ukraine is a

Certification body for

systems and personnel



June 2023-06-20



Technischer Überwachungsverein Thüringen e.V.
Friedrich-Schiller-Universität Jena, Friedrich-Schiller-Universität Jena, 07819 Jena, Germany

СЕРТИФІКАТ

відповідності системи менеджменту вимогам стандарту ISO 9001:2015

Відповідно до процедури сертифікації підтверджується, що підприємство



ПРИВАТНЕ ПІДПРИЄМСТВО
"КАРМЕЛ"
29215, м. Хмельницький,
вул. Ромея Шухевича, 117,
Україна

запровадило систему менеджменту згідно з міжнародними стандартами у наступних сферах діяльності:

Виробництво бетонозмішувальних установок, обладнання для сушки ґрунтів, шнекових елеваторів, водонапірних веж, обладнання для сортування побутових твердих відходів, склади для цементу

Регістраційний номер: TIC 15 100 201095 Часовий діючий з: 2023-08-03

Звіт про аудит №: 3330 XCEA 00

Сертифікація виконана відповідно до процедур TIC в згоді з національними та міжнародними правилами підтвердження незалежних аудиторів

TIC Україна є

Органом сертифікації

систем ТБ персоналу



Черв. 2023-06-20



Technischer Überwachungsverein Thüringen e.V.
Friedrich-Schiller-Universität Jena, Friedrich-Schiller-Universität Jena, 07819 Jena, Germany

Technischer Überwachungsverein Thüringen e.V.
Friedrich-Schiller-Universität Jena, Friedrich-Schiller-Universität Jena, 07819 Jena, Germany

CERTIFICATE

The Certification Body for
Construction Products of TÜV Thüringen e.V.
certifies the company



PRIVATE ENTERPRISE «KARMEЛ»

29 Lisova str., 31317, Gvardiyskyi village,
Khmelnitskyi district, Khmelnytskyi region, Ukraine

has established and applies a quality system according to
DIN EN ISO 3854-3
Standard quality requirements

in the specified scope to the annex of certificate

report no.: UKG35889100

certificate no.: 8096 152 1142

certificate expires: 2025-01-02



UKG 35889100



ANNEX TO CERTIFICATE No. 8096 152 1142

Private Enterprise «KARMEЛ»
29 Lisova str., 31317, Gvardiyskyi village,
Khmelnitskyi district, Khmelnytskyi region, Ukraine

Scope of Application: Manufacture of steel structures

Address of company: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

Address of factory: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

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Address of warehouse: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

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Address of distribution site: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

Address of sales site: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

Address of service site: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

Address of maintenance site: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine

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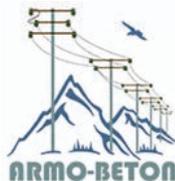
Address of reconstruction and overhaul site: 29 Lisova str., 31317, Gvardiyskyi village, Khmelnytskyi region, Ukraine



CUSTOMERS



ТЕРНОПІЛЬ





CONTACTS:

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