

K BLOCK LIGHTWEIGHT CONCRETE MIXER MX9 SERIES

The K Block MX9 mixers have been specially designed for mixing lightweight concrete – its advanced design helps customers reduce product DMC [less cement needed], is easy to use and produces a uniform mix quickly and effectively.

Advantages:

1. Cement savings vs other mixers
(10-30%)
2. Short batch times
3. Same density throughout the mixer
(uniform mixing)

Details:

Mixing lightweight concrete and normal weight concrete is very different – mainly because:

- 1) lightweight concrete has no coarse aggregate
- 2) foam (air bubbles) are added to the mix

Coarse Aggregate:

Coarse aggregate usually helps break up cement flocs and helps make the mix homogeneous. But lightweight concrete has no coarse aggregate, so the mixer must be designed to so that the blades, mixing speed, and blade action all work together to ensure a homogeneous mix with maximum cement flocs/ clump disintegration.

With K Block’s advanced lightweight concrete mixer, customers achieve either cement savings vs other lightweight concrete mixers in the market or achieve higher strengths with the same cement content.

Adding Foam (Air bubbles):

Foam will normally float on top of mortar, so the mixer must draw the foam into the mortar and then mix the lightweight concrete quickly and effectively.



With K Block’s effective mixers – foam is mixed quickly and uniformly into mortar. And with foam being mixed so quickly, batch times can be as short as 5 minutes; making production per hour/ day very high.

Mixer Specifications

Voltage

380/ 480 volts – 3 phase or 110/ 220 V – single phase

(Note: the voltage can be altered to suit local electrical requirements)

Effective Mixer Capacity

Available from 0.25m³ to >3.5 m³

Power

0.5 m³ : 4.0 kw

1.0 m³ : 7.5 kw

Typical Dimensions (0.5m³ mixer):

Height: 1.5 m

Length: 1.9 m

Width: 1.0 m

K Block Technology Co. is a leader in lightweight concrete production and development of lightweight concrete production equipment. Visit our website and review our other products and equipment

K BLOCK TECHNOLOGY