

ENMIX CUSTOM

low-speed mixer



Agitator mixers

Description

This low speed mixer is the ideal solution for mixing and motion of liquid fertilizers in containers and tanks for mixed liquids. This mixer can also be used if solid fertilizers are used, e.g. in big bags. The Enmix consists of a frame, a geared motor and an axle with a propeller. In the modern greenhouse culture the containers that are used for mixing the fertilizers become bigger and bigger. The use of solid fertilizers causes problems for good blending of the liquids.

The Enmix mixer will solve this mixing problem. The mixer and the frame are completely made of stainless steel and will be customized to the dimensions of the used tank. The propeller turns slowly and keeps the whole volume up to 10 m³ in motion. The propeller has a turning circle diameter of 100 cm in the 50 Hz version and 75 cm in the 60 Hz version.

The geared motor with delay can be simply connected to a 230 Volt supply. The power of the electric motor is only 0.37 kW (0.55 HP). A simple control box can switch the Enmix on and off by pause-pulse timing.

When round tanks are used, two vertical, anti-vortex plates must be fitted inside the tank to prevent the complete volume from whirling. The two plates and the mixer will cause optimal blending of the liquid.

The Enmix Custom is also available without frame, with frame only or with frame and sub frame in case of tanks higher than 1,00 metre (an extra guide bush is fitted to the frame and supports the longer axle). So for every tank or container a mixer is available and can take care of a good blending of your fertilizers. It will be necessary that we know the measurement of your tank or container to construct the right mixer. The Enmix Custom is standardly delivered in stainless steel 304.

The Enmix Custom is available in a single phase (3 phase optional) 230 Volt version with cable, plug and thermal overload. The Enmix in a 400 Volt version is available for 50 Hz or 60 Hz (440 Volt).

**Advantages**

- o low energy consumption
- o no foam is produced
- o fits every mixing container
- o quick and easy installation

Technical specifications

- o geared motor:
 - power: 0.37 kW
 - transmission: 15:1
 - protection class: IP55

Frequency	Voltage	Current	Speed	Phases	Weight	Certification
50 Hz *	230 V	2,00 A	1370 rpm	1 phase	6,2 kg	CE
50 Hz *	400 V	1,15 A	1410 rpm	3 phase	5,4 kg	CE
60 Hz **	440 - 480 V	1,15 A	1680 rpm	3 phase	5,4 kg	CE
60 Hz **	480 V	0,91 A	1715 rpm	3 phase	9,5 kg	cURus
60 Hz **	575 - 600 V	0,70 A	1680 rpm	3 phase	8,0 kg	cURus

* Comes with a 100 cm stirring blade. Other frequencies and voltages available upon request.

** Comes with a 75 cm stirring blade. Other frequencies and voltages available upon request.

- o mixer:
 - speed: 94 rpm (at 50 Hz)
 - speed: 112 rpm (at 60 Hz)
- o material frame, mixer shaft and propeller:
304 stainless steel
- o option: shaft and blade optionally available in
316 stainless steel