

## MZ 03-20 HYDRA SUBMERSIBLE MIXERS

Intended for operation in intermediate pumping stations, drainage basins and wastewater treatment plants. Built based on a tri-phase electrical motor with protection rating IP68 and rotor mounted directly on the driveshaft. Guides equipped with their own winch are used for installation and later handling of mixers.

Functions:

- mixing of wastewater,
- mixing and aeration of wastewater,
- homogenization,
- prevention of sediment deposition,
- elimination of froth and coat.

Mixer symbol	MZ03.8	MZ05.8	MZ07.6	MZ10.6	MZ15.4	MZ20.4	Unit
Mixer power	0.37	0.55	0.75	1.1	1.5	2.2	kW
Revolutions	700	675	915	920	1405	1410	rpm
Rotor diameter	210	240	210	240	210	240	mm
Rotor type	rotor, tri-blade, self-cleaning						-
Seals	two-level mechanical sealing with oil chamber						-
Mixing capacity	41	68	83	137	166	220	m <sup>3</sup>
Mixing economy	9	8	9	9	11	10	W/m <sup>3</sup>
Maximum reach	8	11	13	15	19	22	m
Supply voltage	3 x 400						V
Weight	28.2	28.7	29.9	30.4	31.0	32.7	kg
Material	standard: body - grey cast iron, rotor - stainless steel acid-resistant: all exterior elements made of stainless steel						
Power cable	standard or screened cable, length 6m (or longer upon request)						
Housing protection rating	IP68						
Additional equipment	<ul style="list-style-type: none"> <li>- angle attachment for deflecting mixer by 15° or 25° from level</li> <li>- rotor guard (jet orifice) increasing mixing performance</li> <li>- attachment for mixing with simultaneous aeration of wastewater</li> <li>- coupling flanges enabling operation as pumping mixers</li> <li>- built-in water presence, moisture and motor temperature sensors</li> </ul>						
Guide type	standard PST 50, self-service PSO 50,		self-bearing PSN 50				

Attention: The data above should only be used in conjunction with up to date and detailed information on [www.biox.pl](http://www.biox.pl).

