

# MIXER

The mixer is mounted to the tank with the flange at the lower parts of the frame. The production of this serie mixers is standardized up to 2.2 kW. Mixers with greater power requirements are designed and manufactured upon request.

Operating conditions up to 10000 cps, shaft is connected to the gearbox outlet with an elastic coupling. Rapid mixers are produced as 30-120 rpm.



Mixer consists of following main parts;

### Motor

Motor is three phases, totally enclosed, flanged, asynchronous and complies with DIN 42677T1. Protection and insulation classes are selected according to operating conditions. The motor is connected to the gearbox with a direct coupling.

### Gearbox

Gearbox is two level or three level, with coaxial flanged and vertical type. This type of gearboxes are selected according to suitable mechanical specifications.

### Coupling

Coupling is only used for big size of mixers. Shaft is directly coupled to gear box for small types.

### Shaft

Shaft lenght and diameter is calculated/sellected according to application needs and this part is made of stainless steel only.

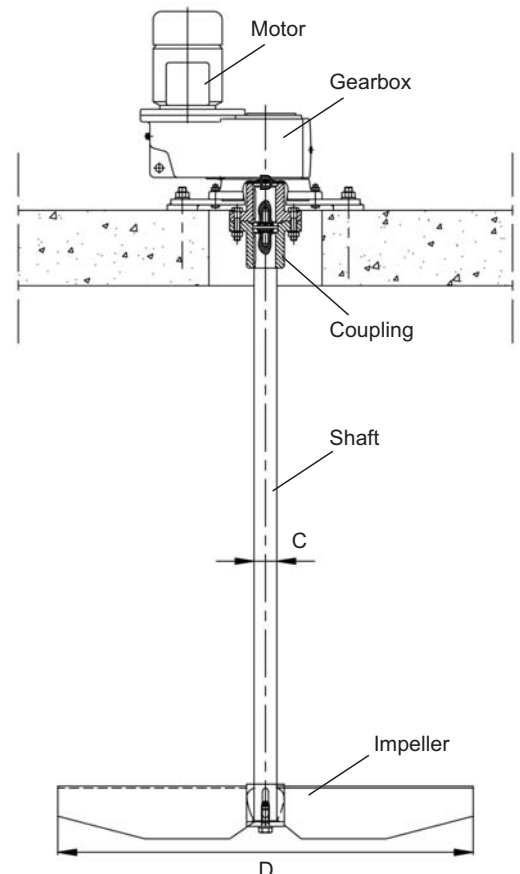
### Impeller

Impeller is turbine type with four blades in common. Propeller or other special impeller types are also available.

Turbine type 4T/45					
Power, kW	Capacity, m <sup>3</sup> /h	Speed, rpm	C, mm	D, mm	Weight, kg
0.25	315	120	30	425	28
0.37	590	120	30	450	34
0.55	610	120	30	475	38
0.75	730	120	35	500	48
1.1	980	120	35	550	52
2.2	2040	82	40	800	95

Turbine type 4T/90					
Power, kW	Capacity, m <sup>3</sup> /h	Speed, rpm	C, mm	D, mm	Weight, kg
0.37	600	40	35	680	46
0.55	900	40	35	780	53
0.75	1500	35	40	900	75
1.1	1900	35	40	1000	65
1.5	2630	30	50	1150	150
2.2	3700	30	60	1280	175

\* Consult MASS for larger models



MAN 7100 06.09-E



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**MASS ARITMA SİSTEMLERİ İNŞAAT SANAYİ VE TİCARET A. Ş.**

Gebze Organize Sanayi Bölgesi, 700. Sok., Gebze 41480 Kocaeli - Türkiye

Phone: +90 (262) 751 2210 pbx Fax: +90 (262) 751 0730 e-mail: [info@massaritma.com](mailto:info@massaritma.com) <http://www.massaritma.com>