EWATER

Ewater Series Agitator/Mixer



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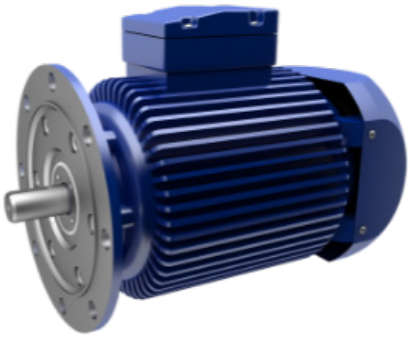
EWATER Water Treatment Co., Ltd.
JIEMING International Trading FZCO

Introduction

* Consisting of motors, gear reducers, shafts and impellers.
* Motors can be selected based on IP class (Waterproof, Anti-Explosion,Insulation) based on customers' requirement.
* Gear reducer: Single/Three phase; Cycloidal Pinwheel type; Horizontal/Vertical installation.
* Shafts and Impellers: different material and types at choices.

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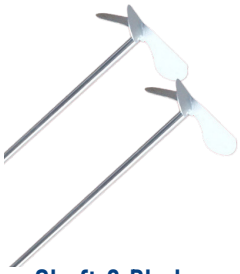
Parts



Motor



Speed Reducer



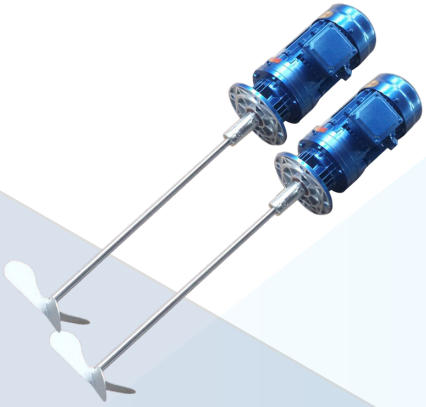
Shaft & Blade

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Connector

Assembly





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Features

· Stirring evenly, and which will not be affected by vibration. Rotating speed can be adjusted via frequency convertor if needed.

·Speed ratio range 7, 9, 11, 17, 23, 29, 35, 43, 59, 71. The higher speed ratio the higer torque.

·Light weight, elegant appearance. It is suitable for different scenarios.



Application

·Widely used in petroleum, environmental protection, chemical, cement, conveying, textile, pharmeceutical, food, printing, metallurgical, power generation industries.













Technical Specs

Motor



BLD9



BLD10



BLD11



Horizontal Type



Vertical Type



Single Phase



Three Phase



BLD12



BLD13



BLD14

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Blade & Support Frame



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Frequency Converting Control (Optional)

Two options for frequency converting control functions according to customers' requirement.

* Motor + Frequency Converter Set
* Integrated Motor with Frequency Converting Set

Features

- Increase 10% motor effiency with <20% temperature increasing, especially in low-frequency zone.
- Lower noise and vibration compared with normal motors.
- Good for operation condition needed frequently start-up.
- Better heat dissipation performance in some special operation conditions.



Motor+Frequency Converter



Reducer

*Note: Under this type we suggest operating RPM should less than 140% of rated value. (e.g. rated 88rpm, 50Hz; recommended: Max. 70Hz, 123rpm.)

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Frequency Converting Motor List

Model No.				02	04	07		15		40			75		150		220	
Rated Power (kW)				0.18	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22
Type	Code	Speed Range	Ratio	Output Torque (N•m)														
Reducer	MB	1000-200	/	1.5-3	3-6	5-10	6-12	9-18	12-24	18-36	24-48	32-64	45-90	60-120	88-176	118-235	145-290	176-352
Reducer with one gear	MB-C	2000-4000	1/2					4.2-8.4	5.5-11	8.6-17	11-22	15-30	21-42	28-57	41-83	56-112	69-137	83-167
		1500-300	2/3					5.6-11	7.5-15	11-22	15-30	20-40	28-57	38-57	55-111	74-149	91-183	111-222
		500-100	2	2.9-5.7	5.7-11	9.5-19	11.5-23	17-34	22-45	34-68	46-91	61-121	86-171	114-228	167-334	248-496	275-556	334-668
		400-80	2.5	3.5-7	7-14	12-24	14-28	21-42	28-56	43-85	57-114	76-152	107-214	142-284	209-418	280-560	344-688	418-836
		300-60	3.3	4.6-9.3	9.3-18.6	15.5-31	18.6-37	28-56	37-74	56-111	75-150	99-198	140-279	186-372	275-561	370-740	454-909	551-1103
		200-40	5	6.2-12.5	12.5-25	21.7-43.5	26-52	37-74	52.6-105	73-146	97-195	130-260	194-387	258-516	418-836	560-1121	688-1377	638-1172
Reducer with two gears	MB-2C	125-25	8	10-20	20-40	34-68	40-80	60-120	80-160	122-324	216-432							
		100-20	10	12-26	26-53	42-86	50-102	78-156	10-5213	210-428	282-570							
		90-18	11	14-28	28-56	45-90	54-108	80-160	108-218	216-432	268-576							
		75-15	13.3	17-34	34-68	56-112	68-136	100-200	135-270	270-540	360-720							
		60-12	16.6	21-42	42-84	70-140	84-168	125-250	167-334	335-670	446-892							
		50-10	20	25-50	53-106	90-180	96-192	130-260	19-2384	412-824	550-1110							
		40-8	25	28-57	61-120	109-205	116-218	142-275	215-398	423-845	565-1180							

Tank Size Recommendation (Non frequency converting)

Tank Model (MC-Dosing, PT-Water tank)	Size (cm)	Motor Model	Voltage	Frequency	Rated RPM
MC-100L	φ45*H75	BLD09-11-0.37KW	Single Phase OR Three Phase	50/60 Hz	136/88/65/52/43/35/25/17 As per operating condition
MC-200L	φ58*H90	BLD09-11-0.37KW			
MC-300L	φ72*H92	BLD09-11-0.37KW			
MC-500L	φ78*H112	BLD09-11-0.55KW			
MC-1000L	φ96*H140	BLD09-11-0.75KW			
PT-250L	φ65*H74	BLD09-11-0.37KW			
PT-400L	φ75*H80	BLD09-11-0.37KW			
PT-500L	φ80*H94	BLD09-11-0.55KW			
PT-1000L	φ102*H110	BLD09-11-0.75KW			
PT-1500L	φ117*H134	BLD10-11-0.75KW			
PT-2000L	φ132*H152	BLD10-17-1.1KW			
PT-3000L	φ153*H154	BLD10-17-1.5KW			
PT-5000L	φ184*H2200	BLD11-17-1.5KW	Three Phase		
PT-6000L	φ187*H210	BLD11-17-2.2KW			
PT-8000L	φ230*H197	BLD12-23-3KW			
PT-10000L	φ230*H250	BLD12-23-4KW			
PT-20000L	φ270*H340	BLD13-23-4KW			
PT-25000L	φ285*H400	BLD13-23-5.5KW			
PT-30000L	φ320*H380	BLD13-23-7.5KW			
PT-40000L	φ320*H500	BLD14-23-5.5KW			
PT-40000L	φ320*H500	BLD14-23-7.5KW			

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Shaft/Blade Material Selection

- Stainless Steel 304/316/316L
- Carbon Steel Lining Plastic/Rubber/PTFE/Enamel

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1 - Carbon steel lining rubber
2 - Carbon steel lining plastic
3 - Carbon steel lining enamel
4 - Stailess steel

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