



川源(中国)机械有限公司
GSD (China) Co., Ltd.



MAY

超高效永磁潜水搅拌机

MAY
Ultra-efficient Permanent Magnet Submersible Mixer

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MAY Ultra-efficient Permanent Magnet Submersible Mixer



用途

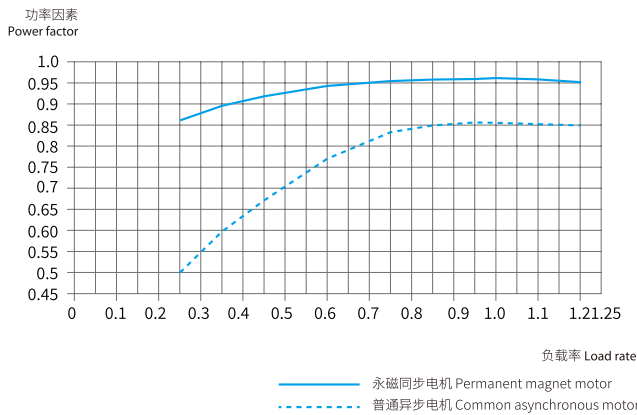
节能与环保是人类永恒的追求，与传统的电励磁电机相比，三相稀土永磁同步电动机，采用永磁材料产生磁场，无需励磁电流，没有励磁绕组，结构简单，体积小，质量轻，运行可靠；损耗小，效率高，可达到传统电励磁电机所无法比拟的高性能（如特高效、特高速、特高响应速度），可广泛用于各种机械、风机、纺织、化工等行业中。

Application

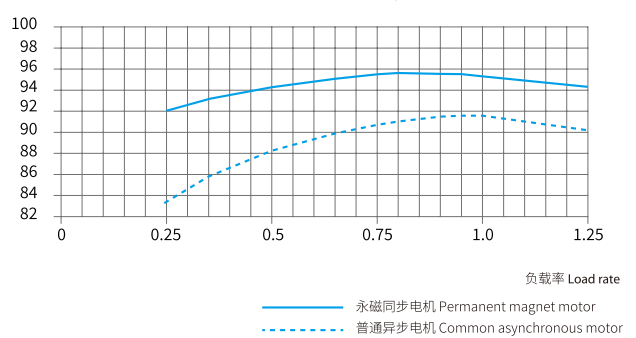
Energy saving and environment protection is the eternal pursuit of mankind, compared with the traditional electro-magnetic motor, rare earth permanent magnet motor, Permanent magnetic material is used to generate magnetic field without excitation current and excitation winding, simple structure, small volume, light mass, reliable operation, small loss, high efficiency, it can achieve the high performance that traditional electric excitation motors cannot match (such as ultra-high efficiency, ultra-high speed, ultra-high response speed), It can be widely used in various machinery, fans, textile, chemical and other industries.

能效特点 Characteristics

功率因素曲线图 Power factor curve



效率曲线图 Efficiency curve



特性 Features

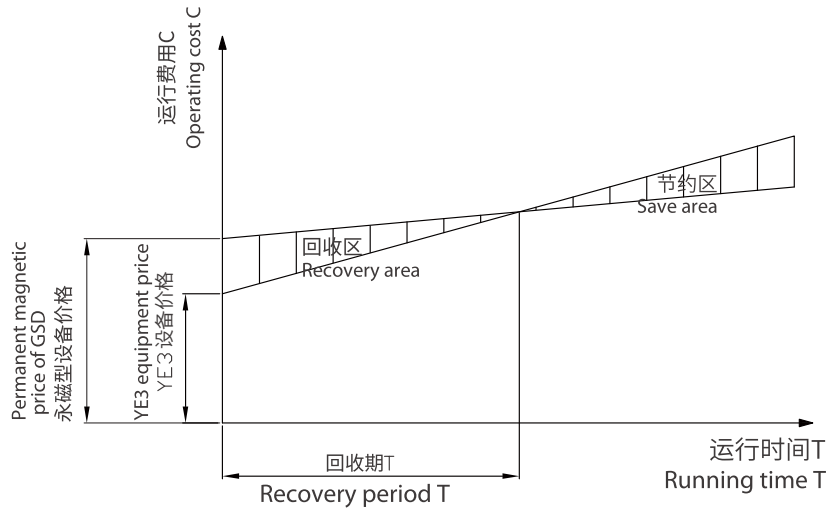
- **异步起动** —— 异步启动、同步运行，无需变频设备，可靠性高，通用性强，适用性强。
Asynchronous starting - Asynchronous starting,synchronous operation,without frequency conversion equipment,high reliability,strong versatility,strong applicability.
- **高稳定性** —— 负载大幅度变化，不易出现功率角震荡，不会失步，抗过载能力2.5倍以上。
High stability - Large changes in load,less power angle oscillation,no out of step,overload resistance of over 2.5 times.
- **起动能力** —— 满负载启动能力优秀，相同的起动电流，转矩可达普通异步电机2倍以上。
Starting capacity - Excellent full load starting capacity,the same starting current,torque up to 2 times more than ordinary induction motor.
- **电机结构** —— 电机结构简单，电流波形为正弦波便于调速，外形安装尺寸与普通电机相同。
Motor structure - The structure of the motor is simple and the current waveform is a sine wave,which is convenient for speed regulation, and the size of the configuration is the same as that of the ordinary motor.

性能参数 Parameters

型号 Model	电机功率 (kW) Motor power	额定电流 (A) Rated current	叶轮转速 (r/min) rpm of impeller	叶轮直径 (mm) Diameter of impeller	推力 (N) Thrust	重量 (kg) Weight
MAY4/12-620-500	4	8.4	500	620	1400	174
MAY5/12-620-500	5	9.5	500	620	1800	180
MAY7.5/12-620-500	7.5	12.4	500	620	2600	208
MAY10/12-620-500	10	18	500	620	3300	236
MAY15/12-620-500	15	24.5	500	620	4000	250
MAY18.5/12-760-500	18.5	31	500	760	4800	276
MAY22/12-760-500	22	36.5	500	760	5200	300
MAY30/12-760-500	30	49	500	760	5800	326



节能回收期 Energy saving calculation



回收期示意图 Recovery period schematic diagram

回收期可按下列公式计算 Calculation formula for recovery period :

$$T = \frac{\Delta C}{P_2 \left(\frac{1}{\eta_{YE3}} - \frac{1}{\eta_{YT}} \right) \cdot \alpha}$$

其中:

T-回收期 (h)

T-Recovery period (h)

ΔC -选用永磁型增加的费用 (unit:yuan)

ΔC -Choose the cost of permanent magnet type increase (unit:yuan)

α -电能的价格 (单位: 元/千瓦·小时)

α -The price of electrical energy (unit:yuan/kw·h)

η_{YE3} -YE3型电机效率 (%)

η_{YE3} -YE3 type motor efficiency (%)

η_{YT} -川源永磁型效率 (%)

η_{YT} -GSD Permanent magnet type efficiency (%)

P_2 -电动机输出功率 (kW)

P_2 -Motor output power (kw)

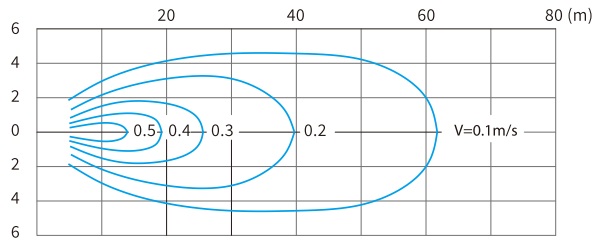
回收期过后节约的运行费用即为净收入

The operating cost saved after the payback period is net income

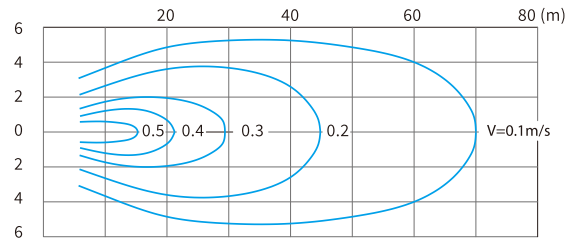


流场图 Diagrams of the flow field

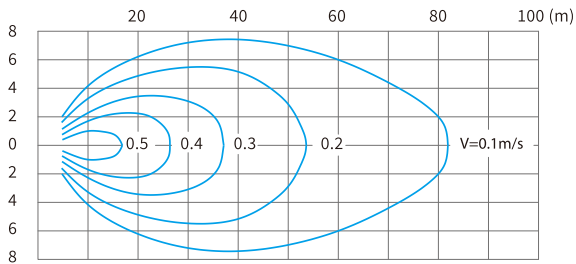
MAY 4/12-620-500



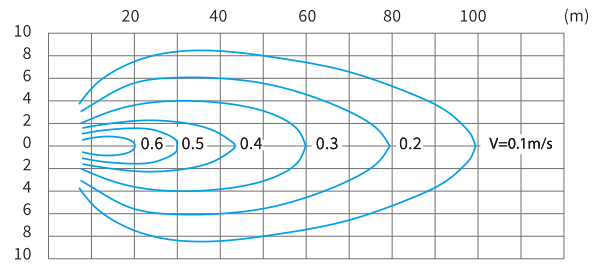
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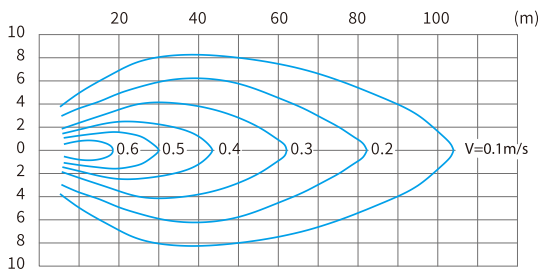
MAY7.5/12-620-500



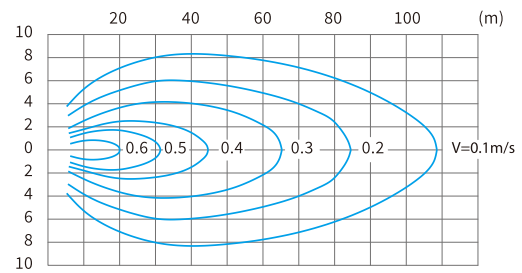
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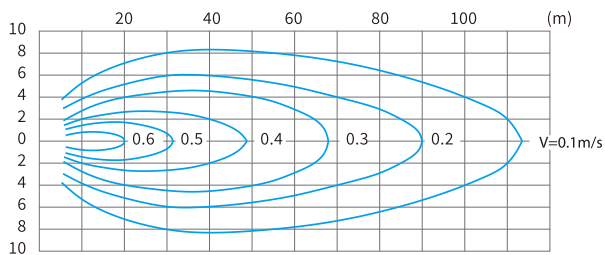
MAY15/12-620-500



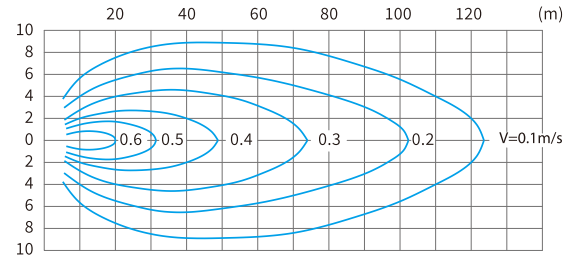
MAY18.5/12-760-500



MAY22/12-760-500

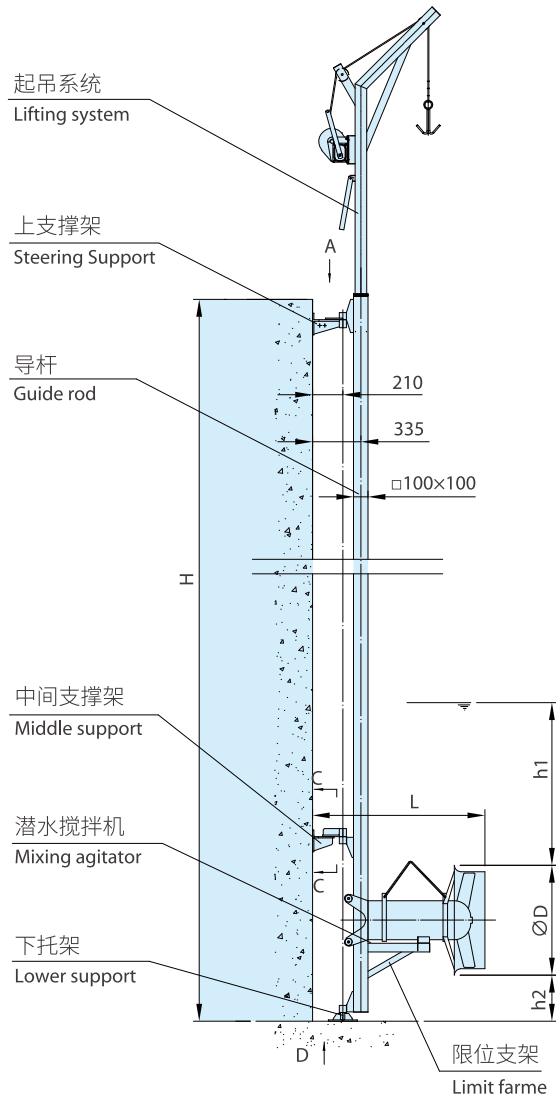


MAY30/12-760-500



安装方式及尺寸 Installation Modes and Dimensions

绞盘式 Winch type



单位: (mm)

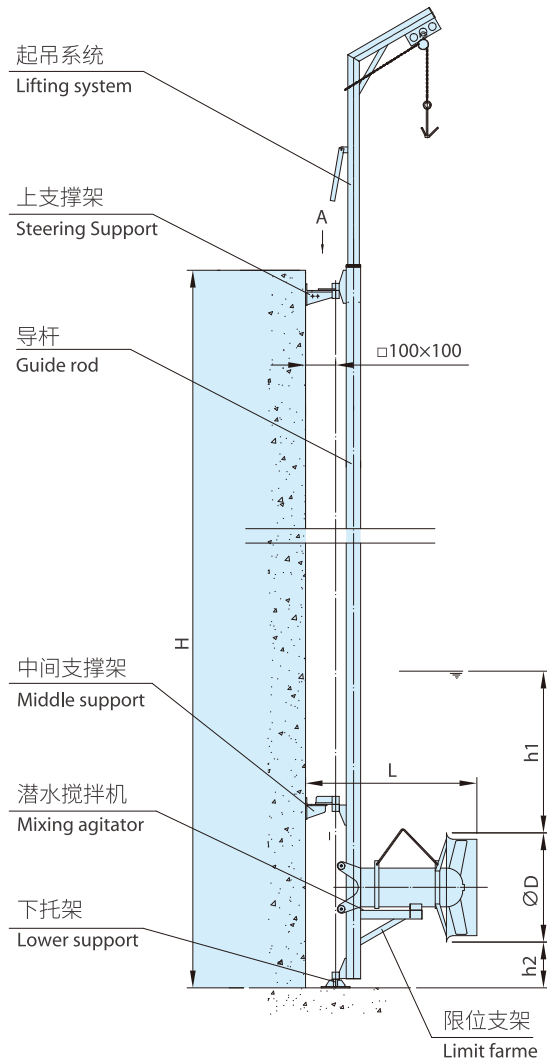
型号 Type	D	L	h1 min	h2 min
MAY4/12-620-500	760	1200	1100	300
MAY5/12-620-500	760	1200	1100	300

备注: 各型号安装系统细部结构略有不同。



安装方式及尺寸 Installation Modes and Dimensions

葫芦式 Gourd style



单位: (mm)

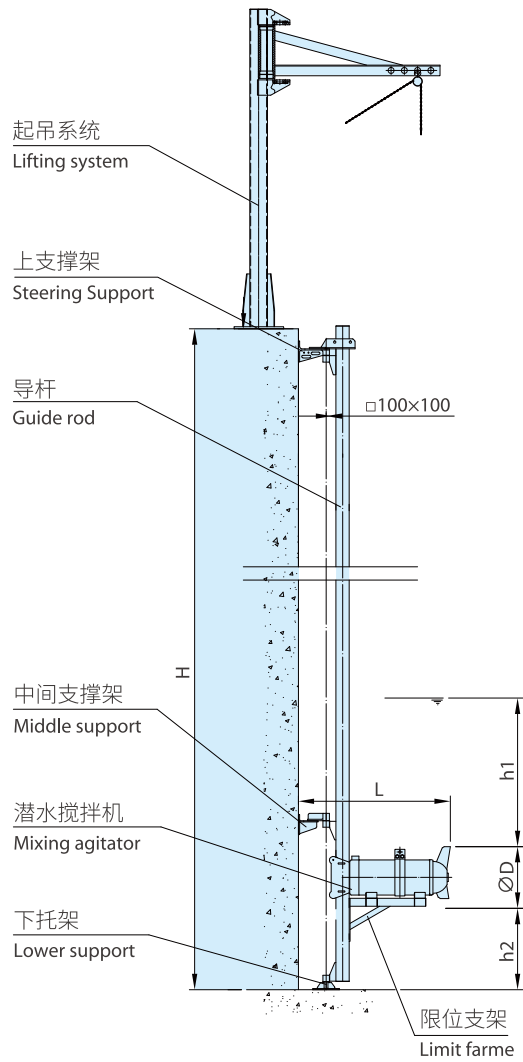
型号 Type	D	L	h1 min	h2 min
MAY7.5/12-620-500	760	1300	1500	300
MAY10/12-620-500	760	1300	1500	300
MAY15/12-620-500	760	1350	1500	300

备注: 各型号安装系统细部结构略有不同。



安装方式及尺寸 Installation Modes and Dimensions

葫芦底座式 Gourd base type



单位: (mm)

型号 Type	D	L	$h1_{min}$	$h2_{min}$
MAY18.5/12-760-500	760	1500	2000	600
MAY22/12-760-500	760	1500	2000	600
MAY30/12-760-500	760	1500	2000	600

备注: 各型号安装系统细部结构略有不同。



如蒙洽询请指示下列各项
For further details, please fulfill the chart below.

客户
Customer _____



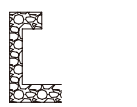
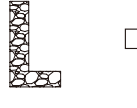

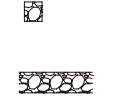
承办人员
Undertaker _____

工程名称
Name of project _____

工程地点
Address of project _____

电话
Telephone _____

传真
Fax _____

基本选型参数 Basic parameters	* 工艺名称 Processes name	氧化沟 Oxidation ditch	<input type="checkbox"/>	A-O法 A-O	<input type="checkbox"/>	SBR法 SBR	<input type="checkbox"/>	其它(注) Others		
	* 安装位置 Installation location								其它(注) Others	
	* 基本池型(m) Pond form	长 L	宽 W	深 H	长 L	宽 W	深 H	长 L	宽 W	深 H
	* 有效水深(m) Available water depth									
介质参数 Media parameter	介质名称 Name						密度 Density			
	主要成分 Main composition						* PH值 PH			
	* 温度 Temperature						黏度 Viscosity			
	其它 Other									
工艺要求参数 Technique parameters	* 主要搅拌混合方式 Mixing methods	搅拌型 Mixing agitator	<input type="checkbox"/>	推流型 Flow propeller	<input type="checkbox"/>	其它(注) Other				
	* 池底最低流速(m/s) Minimum flow speed at the bottom									
	其它工艺要求 Other requests									
池形结构 Pool structure	* 池沿结构 Pool surface structure		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	其它 Others	<input type="checkbox"/>	
	* 池底结构 Pool bottom structure		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	其它 Others	<input type="checkbox"/>	
材质要求 Material requests	主机壳体 Sheall body						* 水下导杆及支座 Guide and support			
	搅拌叶浆 Mixing propeller						* 水上吊架及支座 Hanger and support			
	导流罩(是否需要) Fairwater(need or not)						* 螺栓、螺母及垫圈 Bolt, nut and gasket			
	主轴 Main shaft						* 提升钢丝绳 Boom hoist cable			
搅拌机结构性能参数 The machine parameters	传动方式 Driving method						电机功率(kW) Motor power			
	密封形式 Seal type						额定电流(A) Rated current			
	叶轮直径(mm) Propeller diameter						电源 Power			
	叶轮转速(rpm) Propeller speed						防护等级 Protection grade			
	推力(N) Thrust						工作制式 Working standard			
其它要求 Others										

注: 为准确选型, 项目前加注“*”号者, 请务必详加填写。

Note: In order to choose the right type, the item with “*” should be filled as detail as possible.



欢迎索取以下产品型录

To find out more about following products, please visit www.gsd.net.cn

	泵系列 Pump Series	潜水泵系列 陆上泵系列 特种泵系列 Submersible pump series On land pump series Special pump series
	搅拌推流系列 Mixing and flow propeller	搅拌机系列 推流器系列 Mixing series Flow propeller series
	供氧曝气系列 Aeration equipment series	曝气机系列 曝气盘系列 曝气管系列 Aerator series Disc diffusers Tube diffusers
	风机系列 Blower Series	磁悬浮鼓风机 空气悬浮高速离心鼓风机 三叶罗茨鼓风机系列 Maglev turbo blower High-Speed centrifugal blower Three-lobe Roots Blower blower series
	污泥处理设备 Sludge treatment equipment	带式脱水机 厢式压滤机 叠螺式脱水机 污泥干化设备 浅层高效气浮设备 Belt filter press Box filter press Screw press Mud scraper Dissolved air flotation clarifier
	智能化系列 Intelligent series	智能设备 水务设备健康管理 水务系统工艺优化智能管理 Intelligent equipment Health management for water equipment Intelligent management for water system process
	反应器及套装设备 Reactor and package equipment	芬顿反应系统 MBR生物膜反应器 预制泵站 一体化污水处理设备 Fenton reaction system MBR biofilm reactor Prefabricated pumping station Intelligent Compact Unit
	耗材药剂及相关设备 Consumables, reagents and related equipment	生物绳 PAC 聚合氯化铝 PAM 聚丙烯酰胺 泡药设备 Biological rope PAC polyaluminum chloride PAM polyacrylamide Automatic dispensing dissolvers

GSD 的经营理念 Business Philosophy

G-Green 绿色 S-Safe 安全 D-Development 永续经营



川源(中国)机械有限公司
GSD (China) Co., Ltd.

水处理系统专业合作伙伴

Professional partners in water treatment systems

免费咨询电话

400-657-9066

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