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KAITO



常州常柴集团凯拓电动机械有限公司
CHANGZHOU CHANGCHAI GROUP KAITO ELECTRICITY MACHINERY CO.,LTD.

常州市特普森动力科技有限公司
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Brief Introduction

公司简介

常柴集团凯拓电动机械有限公司是原常柴集团进出口有限公司的出口基地，（公司原名常州凯拓电动机械有限公司，2005年经常柴集团同意并授权将“常柴集团”注入公司名称中，更名为常柴集团凯拓电动机械有限公司）。

公司是2004年全国第一批取得第二代单缸风冷柴油机生产许可证的企业，我们专注、专心、专研风冷柴油动力及配套机组壹拾陆年，取得了优秀的的成绩。现在年生产能力单机动力壹拾万台，配套机组叁万台，年出口量排行业前列。公司获得ISO国际质量体系认证，欧洲CE认证和美国EPA排放认证。

凭借着常柴集团凯拓动力的品牌，雄厚的技术及高素质人才，不断的创新及完善的管理体系，公司得以提供一流的产品及高端的服务而享誉海内外。产品远销：美国、欧洲、南美、非洲、澳大利亚、中东及东南亚全球各个地区。

公司以“创新、诚信、责任”为公司经营理念，热忱欢迎国内外同仁共同合作。

Changchai Group Kaito Electric Machinery Co., Ltd. is export base of the original Changchai Group Import and Export Co., Ltd. (The company's former name is Changzhou Kaito Electric Machinery Co., Ltd., In 2005 Changchai Group agreed and authorized the "Changchai Group" into the company name, renamed Changchai Group Kaito Electric Machinery Co., Ltd.).

The company is the first to obtain the second generation of single-cylinder air-cooled diesel engine production license enterprises in 2004. We focus, concentrate, specialize in air-cooled diesel power and supporting units for 16 years, and achieved excellent results. Now the annual production capacity of 100,000 units of diesel engines, supporting diesel generators of 30,000 units, the annual export volume of the forefront of the industry. The company has got both ISO9001 International Quality Management System Certificate, CE certificate.

With Changchai Group Kaito power brand, strong technology and high-quality personnel, continuous innovation and perfect management system, the company can provide first-class products and high-end services and reputation in domestic and abroad. Products are exported to the United States, Europe, South America, Africa, Australia, the Middle East and Southeast Asia in various regions of the world.

Company to "innovation, integrity, responsibility" for the company's business philosophy, warmly welcome colleagues in domestic and abroad to cooperate together.

Authority certification

权威认证



CE



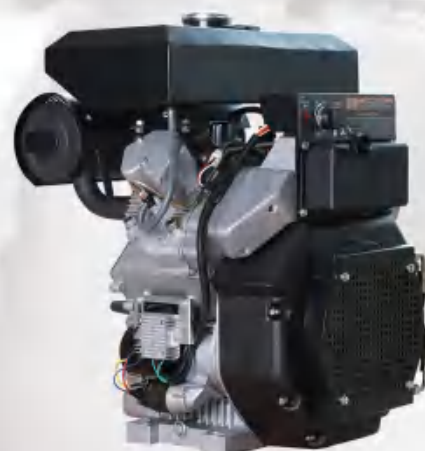
ISO



EPA

Diesel Engine Series

柴油机系列



Model 型号		173F	178F	186F	186FA	188F	190F
Type 类型		Single-cylinder, vertical, air-cooled, 4-stroke, direct injection					
BorexStroke 缸径*冲程	mm	73×59	78×62	86×70	86×72	88×75	90×75
Displacement 排量	L	0.247	0.296	0.406	0.418	0.456	0.477
Compression Ratio 压缩比		20:01	20:01	19:01	19:01	19:01	19:01
Rated Power 额定功率	KW/rpm	3.5/3000 3.8/3600	3.68/3000 4/3600	5.5/3000 6.0/3600	5.7/3000 6.3/3600	6.5/3000 7.2/3600	6.7/3000 7.3/3600
Starting system 启动方式		Recoil starter/Electric starter 手启或电启					
Fuel tank capacity 油箱容量	L	2.5	3.5	5.5	5.5	5.5	5.5
Fuel consumption 油耗	g/kw·h	≤280	≤276	≤275	≤275	≤275	≤275
Lube oil type 润滑油牌号	L	CD grade or SAE10W-30, 15W-40					
Lube oil capacity 润滑油容量	L	0.75	1.1	1.65	1.65	1.65	1.65
Overall dimension L×W×H 体积	mm	335*380*415	385*420*450	420*440*495	420*440*495	420*440*495	420*440*495
Dry weight 毛重	kg		≤33 (Recoil starter) ≤38 (Electric starter)	≤47 (Recoil starter) ≤52 (Electric starter)			

Model 型号		192F	195F	1100F	2V88	2V92	2V95
Type 类型		Single-cylinder, vertical, air-cooled, 4-stroke, direct injection			Two-cylinders, vertical, air-cooled, 4-stroke direct injection		
BorexStroke 缸径*冲程	mm	92×75	95×75	100×85	88×75	92×75	95×88
Displacement 排量	L	0.498	0.532	0.667	0.912	0.997	1.247
Compression Ratio 压缩比		19:01	19:01	20:01	19.5:1	19.5:1	19.5:1
Rated Power 额定功率	KW/rpm	7.6/3000 8.2/3600	8.1/3000 8.7/3600	10.5/3000	13.5/3000 14.5/3600	15/3000 16/3600	18/3000 19/3600
Starting system 启动方式		Recoil starter/Electric starter 手启或电启			Electric starter 电启		
Fuel tank capacity 油箱容量	L	5.5	5.5	5.5	12	12	12
Fuel consumption 油耗	g/kw·h	≤275	≤275	≤290	≤250	≤252	≤255
Lube oil type 润滑油牌号	L	CD grade or SAE10W-30, 15W-40					
Lube oil capacity 润滑油容量	L	1.65	1.65	2	2.8	2.8	2.8
Overall dimension L×W×H 体积	mm	420*440*495	420*440*500	550*500*625	630*560*545	630*560*545	630*560*545
Dry weight 毛重	kg	≤47 (Recoil starter) ≤52 (Electric starter)		≤60	≤68	≤69	≤70

Diesel Generator Series

柴油发电机组系列



Model 型号		KT 2500L(E)	KT 3500L(E)	KT 6500L(E)	KT 7500L(E)	KT 10000L(E)	KT 12000L(E)	KT 15000L(E)	KTS 12000E	KTS 150000E	KTS 180008E
Rated frequency 额定频率	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50	50/60	50/60	50/60
Rated output 额定功率	kVA	1.8/2.0	2.8/3.0	4.5/5.0	5.0/5.5	6.0/6.5	6.5/7.0	8.5	10.0/11.0	11.0/12.0	15.0/16.0
Max. output 最大功率	kVA	2.0/2.2	3.0/3.2	5.0/5.5	5.5/6.0	6.6/7.2	7.1/7.7	9.3	10.5/11.5	11.5/12.5	15.5/16.5
Rated Voltage 额定电压	V	120, 220, 230, 120/240, 220/380							220, (220/380)		
Rated current 额定电流	A	7.4	12.2	19.6	21.7	28.2	30.4	36.9	45	50	68
Rated rotation speed 额定转速	r/min	3000/3600						3000	3000/3600	3000/3600	3000/3600
Phase NO. 相数		Single phase 单相, Three 三相							Single 单相, Three 三相		
Power factor 功率因数	Cos Φ	1/0.8									
Excitation mode 励磁模式		Self-excitation & constant voltage (AVR) 自动恒压									
Overall dimension (L×W×H) 尺寸	mm	640*480*530	655*480*530	720*492*655	720*492*655	720*492*655	720*492*655	178*585*710	870*630*880	870*630*880	870*630*880
Dry weight 毛重	kg	53	70	100	100	100	100	130	195	200	210
噪音等级 (7m)	dB(A)	77	77	77	77	77	77	77	82	82	82
Structure type 结构形式		Open type 开架款									
Engine Model 动力型号		KT173	KT178F	KT186FA	KT188F	KT192F	KT195F	KT1100F	KT2V88F	KT2V92F	KT2V95F
Engine Type 类型		Single cylinder, vertical, four-stroke, direct injection, air-cooled							V-Two cylinders, 4-Stroke, direct injection, air-cooled		
bore×stroke 缸径×冲程	mm	70×55	78×62	86×72	88×75	92×75	95×75	100×85	88X75	92X75	95X88
Displacement 排量	ml	211	296	418	456	498	531	667	912	997	1247
Rated power 额定功率	KW/(r/min)	2.5/3000 2.8/3600	3.68/3000 4/3600	5.7/3000 6.3/3600	6.5/3000 7.2/3600	7.6/3000 8.2/3600	8.1/3000 8.7/3600	10.5/3000	13.5/3000 14.5/3600	15/3000 16/3600	18/3000 19/3600
Compression ratio 压缩比		20:01	20:01	19:01	19:01	19:01	19:01	20:01	19.5:1	19.5:1	19.5:1
Starting system 启动方式		Recoil + Electric Start 手启或电启						Electric Start电启			
Fuel type 燃油型号		0# (summer) -10# (winter) -35# (chillness) diesel									
Lube oil brand 润滑油品牌		CD grade or SAE10W-30, 15W-40									
Continuous running time 持续工作时间	hr	14	8.5	5.5	5.5	5.5	5.5	5	5	5	5

Diesel Generator Silent Series

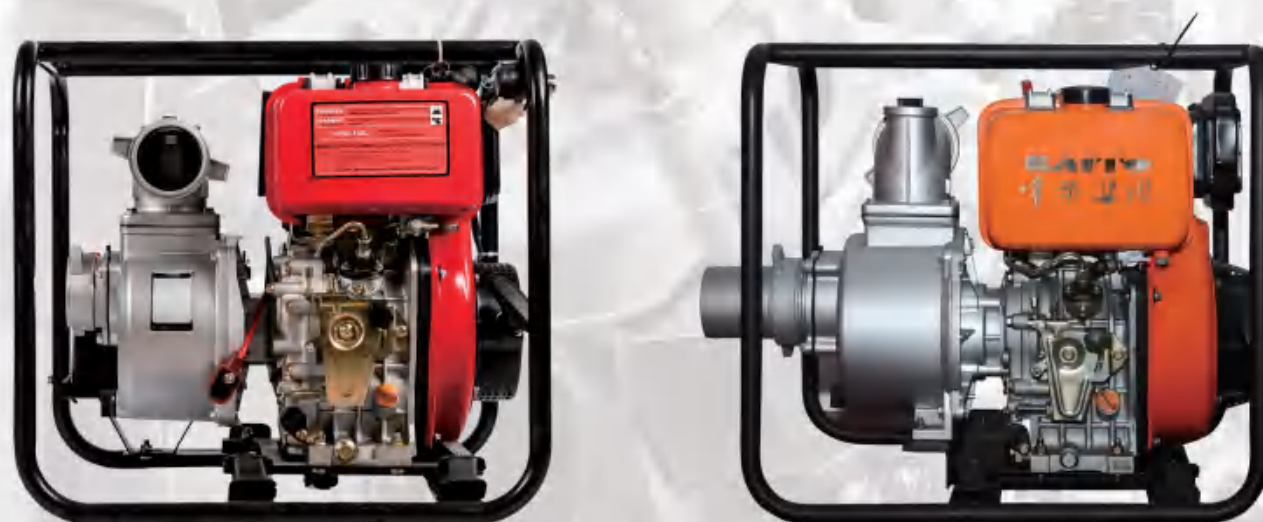
柴油静音发电机组系列



Model 型号		KT 3500SE	KT 6500SE	KT 7500SE	KT 10000SE	KT 12000SE	KT 15000SE	KTS 12000SE	KTS 15000SE	KTS 18000SE
Rated frequency 额定频率	Hz	50/60	50/60	50/60	50/60	50/60	50	50/60	50/60	50/60
Rated output 额定功率	kVA	2.8/3.2	4.5/5.0	5.0/5.5	5.7/6.2	6.2/6.7	8	10.0/11.0	11.0/12.0	15.0/16.0
Max. output 最大功率	kVA	3.2/3.5	5.0/5.5	5.5/6.0	6.3/6.9	6.8/7.7	8.8	10.5/11.5	11.5/12.5	15.5/16.5
Rated Voltage 额定电压	V	120, 220, 230, 120/240, 220/380						220, (220/380)		
Rated current 额定电流	A	24.3/12.2	19.6	21.7	26.9	29.1	34.8	45	50	68
Rated rotation speed 额定转速	r/min	3000/3600					3000	3000/3600		
Phase NO. 相数		Single 单相, Three 三相						Single 单相, Three 三相		
Power factor 功率因数	Cos Φ	1/0.8								
Excitation mode 励磁模式		Self-excitation & constant voltage (AVR) 自励恒压								
Overall dimension (L×W×H) 尺寸	mm	930*530*740	930*530*740	930*530*740	930*530*740	930*530*740	1015*562*770	1110*660*875	1110*660*875	1175*710*925
Dry weight 毛重	kg	164	170	171	171	172	200	257	269	312
噪音等级 (7m)	dB(A)	72	72	72	72	72	72	71	73	75
Structure type 结构形式		Silent type 静音款								
Engine Model 动力型号		KT178F	KT186FA	KT188F	KT192F	KT195F	KT1100FA	KT2V88F	KT2V92F	KT2V95F
Engine Type 类型		Single cylinder, vertical, four-stroke, direct injection						V-two cylinders,4-Stroke, direct injection, air-cooled		
bore×stroke 缸径*冲程	mm	78×62	86×72	88×75	92×75	95×75	100×85	88X75	92X75	95X88
Displacement 排量	ml	296	418	456	498	531	667	912	997	1247
Compression ratio 压缩比		20:01	19:01	19:01	19:01	19:01	19:01	19.5:1	19.5:1	19.5:1
Starting system 启动方式		Electric starter 电启动								
Fuel type 燃油型号		0# (summer) -10# (winter) -35# (chillness) diesel								
Lube oil brand 润滑油品牌		CD grade or SAE10W-30, 15W-40								
Lube capacity 润滑油容量	L	1.1	1.65	1.65	1.65	1.65	2	2.8	2.8	2.8
Fuel consumption 油耗	g/kw.h	≤370	≤370	≤370	≤370	≤370		250	252	255
Fuel tank capacity 油箱容量	L	15	15	15	15	15		25	25	25
Continuous running time 持续工作时间	hr	8	6	6	6	6	5	6	6	6

Diesel Water Pump Series

柴油水泵系列



Model 型号	KT50C	KT80C	KT100C	KT150C	KT50HC	KT80HC
In/out dia 进/出水口直径	50(2")	80(3")	100(4")	150(6")	50(2")	80(3")
Discharge capacity(m ³ /h) 流量	28±10%	50±10%	80±10%	135±10%	24±10%	36±10%
Lift head(m) 扬程	30	30	25	20	80	60
Suction head(m) 吸程	8	8	8	6	6	6
Priming time(s/m) 自吸时间	120	120	180	180	180	200
Engine type 动力型号	173F	178F	186FA	192F	178F	186FA
Starting system 启动方式	Recoil/Electric start 手启/电启	Recoil/Electric start 手启/电启	Recoil/Electric start 手启/电启	Electric start 电启	Recoil/Electric start 手启/电启	Recoil/Electric start 手启/电启
Net weight(kg) 净重	37/48	47/58	68/85	140	58/65	83/90
Gross weight(kg) 毛重	42/53	52/63	73/90	150	63/70	88/95

Water Cooled Diesel Engine

水冷柴油机系列



Model 型号	R180	ZS195	ZS1100	ZS1105	ZS1110	ZS1115	ZS1125	ZS1130
Type 型式	单缸 卧式 水冷 四冲程 Single Cylinder,Horizontal,Water Cooled,Four Strokes							
燃烧室方式	直喷式 Direct injection							
Bore*Stroke 缸径*行程	80*80	95*115	100*115	105*115	110*115	115*115	125*120	130*120
Displacement(L)	0.402	0.815	0.903	0.996	1.093	1.194	1.473	1.593
Rated power(KW) 额定功率	5.15	9.7	11.03	12.1	13.24	14.7	18.3	20.1
Maximum Power(KW)	5.67	10.67	12.13	13.3	14.56	16.17	20.22	22.1
Rated Speed(r/min)	2200							
Fuel consumption rate(g/kw·h)	292.7	245						
Cooling way 冷却方式	蒸发式或散热水箱 (N) Evaporation or cooling tank(N)							
Lubrication way 润滑方式	压力与飞溅复合式 Pressure and splash compound							
Starting way 启动方式	手摇或者电启动 Hand or electric starting							
Net weight(kg)	75	145	160	165	190	195	215	215