



MOVE FOR WELDING

KOVO ENGINE DRIVEN WELDER 科沃发电电焊一体机



2015

产品目录 CATALOG



WWW.CN-KOVO.COM (EN)
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KEEP STOCK FOR SHORTENING DELIVER TIME/为缩短供货周期保持充足库存



HONOR AND CERTIFICATE/荣誉证书



COMMUNICATION WITH PARTNERS/客户交流



SHIPMENT/按时交货



SKILLED & STABLE TEAM/娴熟稳定的团队

KOVO发电焊一体机采用:

- 1.先进的无刷发电机，免除了检查更换电刷的繁琐步骤，并且保证设备低故障运行
- 2.无绕组转子创新使得转子零故障运行，并降低客户使用维护成本；
- 3.独特的发电机感应技术提高了管道焊接性能，并增大了功率输出；
- 4.发动机和电机直接耦合使能量损耗降到最低，提高动能转化；
- 5.独有的同轴无刷双电球系统，独立控制，互不干扰；
- 6.发电机和电焊机采用双频发电，使发电波形畸变小，焊接表现优异；
- 7.创新型励磁系统协同自动电压调节基板，对负载快速响应
- 8.怠速ECO装置为节约能源和保护环境（低噪音、低排放、低能耗）做出贡献，同时减少发动机磨损而延长寿命
- 9.动能平衡监测工艺保证了机器的使用寿命；
- 10.低噪音久保田系列发动机、消音器腔室设计及高效隔音材料让机器噪音降至更低

*以上技术革新分别使用在不同机型



TECH HIGHLIGHT:

- 1.Maintenance-free, brushless alternator design
- 2.No windings rotor, no breakdown, and decreasing the copper wire cost
- 3.Well-design slot of stator core increase output and improving pipeline welding performance
- 4.Direct coupling generating high-efficient power
- 5.Dual-generator system and separated control supplying welding power and auxiliary power without interference
- 6.Dual-frequency making downhill welder and sane-wave generator
- 7.Creative excitation coil design cooperated with AVR PCB for quick response of load changes
- 8.Idle-devices saving fuel, protecting environment (low noise/emission/consumption), and extending lifetime
- 9.Process of manufacturing and dynamic balance making sure the welder in good mathcing to lengthen the lifetime
- 10.Mini-Kubota engine, reasonable muffler chamber and silencing material keeping sound in the machine

*Above techs used in different models



PORTABLE ENGINE DRIVEN WELDER/GENERATOR SERIES

便携式发电电焊一体机

MODEL型号		KHD220	EW240G KH240	EW240D KH240	EW320G KH320	EW320D KH320	EW120 KH120
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DC Welder直流焊机

Brush	-	No brush 无刷	No brush 无刷	No brush 无刷	No brush 无刷	No brush 无刷	No brush 无刷
Rated Output额定输出	KW	5.6	6.3	6.3	9.6	9.6	3.2
Rated Current额定电流	DCA	200	220	220	300	300	90
Rated Voltage额定电压	DCV	28	28.8	28.8	32	32	32
Open-circuit Voltage 空载电压	DCV	70	75	75	75	75	70
Duty Cycle使用率	%	50	50	50	50	50	60
Rated speed额定转速	rpm	3000	3600	3600	3600	3600	3000
Type整流形式	-	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流
Applicable Electrode适用焊条	mm	2.0-5.0	2.0-5.0	2.0-5.0	2.0-6.0	2.0-6.0	1.6-3.2

Aux. Power 辅助电源

Rated Output额定输出	KW	2.5	3.0	3.0	3.0	3.0	3.2
Rated Voltage额定电压	DCV	220V-120V	220V-120V	220V-120V	220V-120V	220V-120V	AC220V
Duty Cycle额定使用率	-	100%	100%	100%	100%	100%	100%
Driven 耦合方式	-	Direct coupling 直接耦合	Direct coupling 直接耦合	Direct coupling 直接耦合	Direct coupling 直接耦合	Direct coupling 直接耦合	Direct coupling 直接耦合

ENGINE发动机

Model型号	-	Honda GX390 Mitsubishi GT1300 Kohler CH440 本田GX390 三菱GT1300 科勒CH440	Honda GX390 Mitsubishi GT1300 Kohler CH440 本田GX390 三菱GT1300 科勒CH440	Diesel KV188FB 柴油KV188FB	Kohler CH640 Honda GX630 科勒CH640 本田GX630	Diesel KV188FB 柴油KVR2V840	Kohler CH270
Type形式	-	4-stroke 四冲程	4-stroke 四冲程	4-stroke 四冲程	4-stroke 四冲程	4-stroke 四冲程	4-stroke 四冲程
Cylinder arrangement缸体	-	Single cylinder 单缸	Single cylinder 单缸	Single cylinder 单缸	Twin cylinder 双缸	Twin cylinder 双缸	Single cylinder 单缸
Total displacement 排气量	cc	389/391/440	389/391/440	456	624/688	836	208
Max Output最大输出	KW	9.6/9.6/10.5	9.6/9.6/10.5	9.6	14.7	12	5
Speed转速	rpm	3000	3600	3600	3600	3600	3000
Cooling System冷却方式	-	Air cool 空冷	Air cool 空冷	Air cool 空冷	Air cool 空冷	Air cool 空冷	Air cool 空冷
Fuel燃料	-	Gasoline 汽油	Gasoline 汽油	Diesel 柴油	Gasoline 汽油	Diesel 柴油	Gasoline 汽油
Start System启动方式	-	Recoil (Electric) 手(电)启动	Recoil (Electric) 手(电)启动	Electric 电启动	Electric 电启动	Electric 电启动	

其他 OTHERS

Fuel Tank Capacity燃油容量	L	17	6.5 or 17	6.5 or 17	6.5 or 17	6.5 or 17	6.5
Battery Capacity电池容量	-	12V-26AH	12V-26AH	12V-26AH	12V-26AH	12V-26AH	Recoil手启动
Dimension (L x W x H) 尺寸	mm	750 x 545 x 600	750 x 545 x 600	725 x 540 x 570	930 x 620 x 640	930 x 620 x 640	550 x 460 x 490
Net Dry Mass净重	Kg	105	90	110	155	170	45
Noise level噪音(7m)	dB	73	75	76	75	79	

*KH series for China mainland market with CCC; specifications given herein are subject to change without notice
*中国大陆销售产品KH系列通过CCC认证, 规格如有变更恕不另行通知

SILENCE DIESEL ENGINE DRIVEN WELDER/GENERATOR SERIES

静音柴油发电电焊多功能一体机 CC/CV

MODEL型号		EW280DS KH280DS	EW320DS/EW320DST KH320DS	EW400DS/EW400DST KH450DS	EW500DST KH500DS	EW330DS KH330DS
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DC Welder 直流焊机

Rated Output额定输出	KW	8.1	9.16	12.5	18	9.8
Rated Current额定电流* CC/CV	DCA	260-CC	290-CC	380-CC	500-CC	300-CC
	DCA	-	260A@100%-CV	300A@100%-CV	400A@100%-CV	250A@100%-CV
Rated Voltage额定电压	DCV	30.4	31.2	35.2	38	34
Current Range (Single)电流调节 (单把)	DCA	50-280	30-300	50-400	30-520	50-330
Current Range (Dual) 电流调节 (双把)*	DCA	Null	Null/30-150 x 2 double operator	Null/30-200 x 2 double operator	15-250 x 2 double operator	Null
Open-circuit Voltage 空载电压	DCV	80	80	80	80	80
Duty Cycle使用率	%	50	50	50	50	50
Rated speed额定转速	rpm	3,000 or 3,600	3,000 or 3,600	3,000 or 3,600	1,500 or 1,800	3600
Type整流形式	-	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流	Rectified DC output type 整流
Applicable Electrode 适用焊条	mm	2.0-6.0	2.0-6.0	2.0-6.0	2.0-8.0	2.0-6.0

Aux. Power 辅助电源

Rated Output额定输出	KVA	8	12	15	20	6
Rated Voltage额定电压	V	120-220-380-415	120-220-380-415	120-220-380-415	120-220-380-415	120-220-380-415
Phase相数	-	3-phase,4 wires三相四线	3-phase,4 wires三相四线	3phase,4 wires三相四线	3-phase,4 wires三相四线	3-phase,4 wires三相四线
Power Factor功率因数	%	80	80	80	80	80
Frequency频率	Hz	50 or 60	50 or 60	50 or 60	50 or 60	50 or 60
Rate额定使用率	-	Continuous 持续	Continuous持续	Continuous持续	Continuous持续	Continuous持续
Excitation 激励方式	-	Brushless 无刷	Brushless 无刷	Brushless无刷	Brushless无刷	
Driven 耦合方式	-	Direct Coupling直接耦合	Direct Coupling直接耦合	Direct Coupling直接耦合	Direct Coupling直接耦合	

ENGINE 发动机

Model型号		KUBOTA D722	Kubota D1005	Kubota V1305	Kubota V3300	Kubota D722
Type形式	-	4-cycle, water-cooled diesel engine 四冲程水冷柴油	4-cycle, water-cooled diesel engine 四冲程水冷柴油	4-cycle, water-cooled diesel engine 四冲程水冷柴油	4-cycle, water-cooled diesel engine 四冲程水冷柴油	4-cycle, water-cooled diesel engine 四冲程水冷柴油
Cylinder arrangement缸体	-	3-L三缸	3-L三缸	4-L四缸	4-L四缸	3-L三缸
Total displacement 排气量	cc	719	1,001	1,335	3,318	719
Rated Output额定输出	KW	13.3	17.5	22.1	30.6	13.3
Speed转速	rpm	3,000/3,600	3,000/3,600	3,000/3,600	1,500/1,800	3,600
Cooling System冷却方式	-	Water-cooled 水冷	Water-cooled 水冷	Water-cooled 水冷	Water-cooled 水冷	Water-cooled 水冷
Fuel燃料	-	Light diesel oil 柴油	Light diesel oil 柴油	Light diesel oil 柴油	Light diesel oil 柴油	Light diesel oil 柴油
Start System启动方式	-	Electric motor电启动	Electric motor电启动	Electric motor 电启动	Electric motor 电启动	Electric motor电启动

其他 OTHERS

Fuel Tank Capacity燃油容量	L	37	37	37	60	37
Battery Capacity电池容量	-	12V-36AH	12V-36AH	12V-36AH	12-85AH	12V-36AH
Dimension (L x W x H) 尺寸	mm	1125 x 688 x 756	1410 x 710 x 805	1416 x 710 x 805	2,100 x 900 x 1,100	1125 x 688 x 756
Net Dry Mass净重	Kg	385	435	510	1,050	397
Noise level噪音(7m)	dB	65	67	67	65	68

*KH series for China mainland market with CCC; CV/DUAL output optional; specifications given herein are subject to change without notice
*中国大陆销售产品KH系列通过CCC认证, 规格如有变更恕不另行通知

EW240G/KH240



特点:

- 焊接电流输出高出同级驱动焊机20%;
- 采用本田、三菱或者科勒发动机驱动;
- 适用于纤维素和低氢焊条下向焊接、起弧容易,成型好;
- 怠速节能装置可以减排节能;
- 极性转换方便,满足各种焊接工艺;
- 采用无线转子和无刷发电机:低故障率、低成本、免维护
- 面板布局简单,方便操作;
- 手动/电启动可选;
- 焊机结构紧凑,重量轻,体积小;
- 油浴式滤芯使发动机磨损低,适用于风沙大地带;
- 3KW辅助电适用各种电动工具,如角磨机、电钻等

Features:

- More than 20% welding output compared with counterparts;
- Powered by Honda/Mitsubishi/Kohler engine for 240A output;
- Cellulose coating and low-hydrogen easy burnt for downhill welding (all position);
- Auto-idle devices for ECO requirement;
- Polarity easy switched with DINSE plug for root/fill/cap welding;
- No windings rotor & brushless generator with low breakdown and free-maintenance;
- Well-designed and clear control panel for easy operating;
- Recoil/Electric start optional;
- Compact volume and light weight for easy transporting;
- Oil bath filter for desert or dust area to protect engine;
- 3KW auxiliary power supplying drilling, grinding, lighting and other tool with different voltage standard (120V/220V/240V);

EW400DST/KH450DS:



Features:

- Single/Dual operator easy switched;
- Simultaneous use of welder and AC power (15KVA in maximum);
- Optional for CV (constant voltage) output with Miller/Lincoln wire-feeder;
- Petrochemical Construction Contractors Approved Standard for pipeline welding
- Cellulosic & low-hydrogen electrode easy burnt
- Remote control unit available for current & voltage

Quality control:

- Japan made Kubota engine for world-wide services;
- Genuine United Kingdom DSE ECU (engine control unit) for monitoring water, oil press and etc.;
- Metalwork made by 2mm-thick steel metal;
- Painting finished by AkzoNobel no-lead powder, and tailored painting for anti-corrosion seaside climate;
- Main parts sourced from renown brands, including NSK, TOCOS and so on.
- Manufacturing under ISO system;
- Tested by CQC system;

Design:

- Brushless dual-alternator system;
- Auto-idle for ECO power;
- Well-designed ventilation for hot desert area;
- One-side access for daily maintenance;
- Emergency-stop button for safety;
- Genuine Mitsubishi&Fuji ELCB for safety protection;
- Lift hole located in center of gravity for moving;
- Easy mounting on trailer for transportation;
- Noise decreased by NOISE-SOLUTIONS

性能:

- 单把/双把焊接，一台焊机可以两人同时焊机，互不影响，让承包商更加有效地提高焊接工作效率
- 15KVA发电机可以与焊接同时使用（注：同时使用不能超过发动机总输出），实现一机多用，满足施工现场对交流电的需要
- 可选配加装全位置半自动药芯自保焊功能，可与林肯、米勒送丝机匹配使用
- 石化管道铺设系统认可
- 适用纤维素和低氢焊条
- 远程电流/电压调节控制

精湛的制造技术和细节高度关注:

- 采用原装进口KOVO发电机及其焊接控制系统和高效安定久保田发动机，确保了焊机运行的可靠性；
- 采用英国原装DSE深海系列发动机控制系统，使得水温、油压等监测一目了然；
- 秉承德国严谨选材，机器外壳钢板采用冷轧电镀锌SPCC-FB级；
- 表面工艺严格恪守德国母公司流程和要求，采用阴极电泳，并且可以根据客户需求做抗海水腐蚀工艺；
- 关键元器件选取延用进口知名品牌，以保障机器耐久可靠；

创新研发设计:

- KOVO独特同轴无刷励磁双地球设计；
- 自动怠速功能环保实用；
- 采用AVS气流控制技术，让机器在高温湿热地带也能正常运行；
- 上翻式宽大侧门使发动机检查和维护工作变得更为快捷和简单，真正实现单侧保养；
- 设有紧急停机装置，为使用者提供了又一安全保障；
- 原装进口三菱或富士ELCB（漏电断路器）充分保护了操作者的人身安全；保护发电机不会发生负载短路或过载
- 突出实用性的机体构造、合理重心设计使单点吊孔移动更加方便；
- 底座预留安装孔可以方便客户配置拖车，以便长距离移动；
- 科沃焊机使用其KOVO独有的排气、振动、风噪、气流等多项控温降噪技术专利（AVS控制系统），有效保护各部件的同时，提高散热效率并抑制噪音；



匹配送丝机实施半自动焊接
COOPERATED WITH WIRE-FEEDER



半自动焊 AU&NZ STANDARD(CC/CV)



单把焊 SINGLE OPERATOR



双把焊 DUAL-HOLDER

The industrial-focused manufacturer, KOVO MACHINERY & ELETRICAL EQUIPMENT CO., LTD introduced from Deutschland, is specialized in supplying reliable ENGINE DRIVEN WELDERS/GENERATORS from 30A–500A powered by renowned KUBOTA, DEUTZ, HONDA, KOHLER, MITSUBISHI, YAMAHA, etc for contractors in pipeline welding, mining, ship-building, rail track welding. KOVO engine welders are qualified for cellulose and low-hydrogen electrode, with CC/CV output.

在商战无声的品牌经济时代，德国品质已成为“信赖可靠”的代名词。其内涵是务实创新、严谨慎密的工作精神。KOVO 中国公司传承其智慧基因，秉持其劳动精神，为中国、为全球源源不断地提供“德国品质”的产品。不断提升运营价值，成就更高财富梦想是KOVO永恒的价值追求，我们相信：以实践性的运营研究，以个性化的需求应对，以全时空的服务提升，KOVO定能与广大运营客户实现共赢。



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