

Diesel Welding Generator

One Unit, Dual Function

An original technology gives birth to such an advanced product with dual functions-welding & generating, which brings more economical products for the consumer

Simultaneous Use

Generating and welding can be operated simultaneously, while welding operation won't impact on the waveform and voltage of the generating operation

Perfect Welding

The unit can achieve perfect waveform of the welding voltage by utilizing IGBT and PWM technology. Non-fluctuating welding current realizes high quality welding operation

Excellent Electricity

New Automatic Voltage Regulator (AVR) and damper winding further enhance the electricity performance with extremely low voltage regulation and minimum waveform distortion

Easy Maneuver Ability

Lightweight and compact design improves on-site maneuverability and save a lot of storage space and its four durable castors are helpful to its easy transportation

Wide Application

The welding arc is super smooth to get the perfect welding quality in all kinds of the applications. Furthermore, its welding current regulation is wide enough to suit most of welding rods



KDE 180TW



KDE 180EW



KDE 280EW

Diesel Welding Generator

Model	KDE 180 TW		KDE180EW		KDE280EW	
Rated frequency (Hz)	50	60	50	60	50	60
Rated power(kW)	2.8	2.8	2.8	2.8	5	5
Rated voltage(V)	115/230		120/240			
Rated current(A)	24.3/12.2		23.3/11.7		43.5/21.7 41.7/20.8	
Rated speed (r/min)	3000		3600			
Phase No.	Single phase					
Power factor(cosφ)	1					
Rated welding voltage(V)	65-70				70-75	
Rated welding current(A)	160				250	
Welding voltage(V)	25-30					
Welding load continuous ratio	60%					
Welding current adjustment range(A)	50-180				50-280	
Electrode diameter(mm)	1.6-4.0				2.0-6.0	
Excitation mode	Self-excitation and constant voltage(AVR)					
Rectifying mode	Three-phase rectifying bridge+IGBT(PWM)					
Connection mode	Drive bearing, rigid connection					
Insulation grade	B					
Pole number	2					
Engine Model	KM186FAGTW		KM186FAGEW		KM2V80GW	
Engine Type	Single cylinder, four-stroke, direct injection, air-cooled, diesel engine				Two-cylinder, V-twin, four-stroke, water-cooled, diesel engine	
Bore×stroke (mm)	1-86×72				2-80×79	
Displacement (ml)	0.418				794	
Compression ratio	19:1				23:1	
Rated power[Kw(r/min)]	5.7		6.3		12.5 14.5	
Lubrication system	Pressure splashed					
Lube oil brand	CD grade or SAE10W-30, 15W-40					
Lub capacity(L)	1.65				2.27	
Starting system	12V Electric starter		Recoil starter or 12V electric starter		12V Electric starter	
Battery capacity(V-Ah)	12V-36Ah				12V-45Ah	
Fuel type	0#(summer), -10#(winter), -35#(chillness)diesel					
Fuel consumption(g/kW.hr)	≤360				≤500	
Fuel tank capacity(L)	15		13.5		25	
Continuous running time(hr)(rated output)	6.5		6		5	
Overall dimension, L×W×H, (mm)	930X545X740		840X535X650		1130X600X790(with wheels)	
Dry weight(kg)	191		147		225	
Noise level(zero load-full load)[dB(A)/7m]	70		78		80	
Structure type	Silent		Open frame			