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IG1000



Specifications

Model	IG1000	
Rated frequency	Hz	50 / 60
Rated voltage	V	230 120/240
Rated Current	A	3.9 7.5 3.8
Rated speed	(r/min)	5500
Rated output	(kVA)	0.9
Max.output	(kVA)	1 . 0
DC output		12 V-8.3A
Phase NO.		Single
Current circuit breaker		Whithout
Structural type		Portable
Fuel capacity	L	2.7
Set fuel consumption	(g/kW.h)	550
Continuous running time	hr (rated output)	4
Noise level	(zero load-full load dB(A)/7m)	60 - 65
Overall dimension	: LxWxH (mm)	460x248x395
Net weight	(kg)	14
Starting system		Recoil starter
Fuel type		Automotive unlead gasoline
Lube oil type		SAE 10 W30(above CC grade)
Engine model		KG144
Engine type		Single cylinder, 4-stroke, OHV, gasoline engine
Bore x Stroke		43.5x36
Displacement	(ml)	53.5
Compression ratio		8.5
Rated power	kW(Hp)/(r/min)	1.3/5500
Ignition system		T.C.I
Spark plug		A7RTC/UR5
Lowest fuel consumption		2/23/1901 0:00

KDE2200X



Specifications

Model	KDE 2200X	
Rated frequency Hz	50	60
Rated output kVA	1.7	2.0
Max. output kVA	2	2.2
Rated voltage V	115/230	120/240
Rated Current A	14.8/7.4	16.7/8.3
Rated rotation speed rpm	3000	3600
Phase NO.	Single phase	
Power factor	1	
Insulation grade	B	
Pole number		
Excitation mode	Self-excitation and constant voltage (AVR)	
Panel type	General Panel	
Voltage V	115/230	120/240
Output Receptacle	Two receptacles	
Connection pole	Without	
DC12V output	Connection pole output	
Overall dimension : LxWxH mm	640x480x530	
Dry weight Kg	X : 53	
Working assorting weight	X : 66	
Noise level (7m) dB(A)	77	
Structure type	Open frame	
Engine model	KM170F	
Engine type	single-cylinder, Vertical, four-stroke, direct injection	
Cylinder NO.-borexstroke mm	1-70x55	
Displacement ml	211	
Rated power kW	2.5/3000	2.8/3600
Compression ratio	20:01	
Rated rotation speed r/min	3000	3600
Combustion system		
Cooling system	Air cooled	
Lubrication system	pressure splashed	
Starting system	recoil starter	
Fuel type	0#(summer)-10# (winter)-35#(chillness)diesel	
Lube oil brand L	SAE 10 W30(above CDgrade)	
Capacity of cooling water	Without	
Lube capacity L	0.75	
Starting motor capacity V-kW	12V	0.8kW
Charging generator capacity V-A	12V	3A
Battery capacity V-Ah	12V	24-36AH
Fuel Consumption g/kW h	280.2	288.3
Fuel tank capacity L	15	
Continuous running time hr	22	

KDE3500T



Specifications

Model	KDE 3500 T	
Rated frequency Hz	50	60
Rated output kVA	2.8	3.3
Max. output kVA	3.2	3.8
Rated voltage V	115/230	120/240
Rated Current A	24.4/12.2	27.5/13.8
Rated rotation speed rpm	3000	3600
Phase NO.	single phase	
Power factor	1	
Insulation grade	B	
Pole number		
Excitation mode	Self-excitation and constant voltage (AVR)	
Panel type	General Panel	
Voltage V	115/230	120/240
Output Receptacle	Two receptacles	
Connection pole	Without	
DC12V output	Connection pole output	
Overall dimension : LxWxH mm	830x532x740	
Dry weight Kg	140	
Working assorting weight	154	
Noise level (7m) dB(A)	72	
Structure type	Silent	
Engine model	KM178F	
Engine type	single-cylinder, Vertical, four-stroke, direct injection	
Cylinder NO.-borexstroke mm	1-78x62	
Displacement ml	296	
Rated power kW	3.68/3000	4.0/3600
Compression ratio	20:01	
Rated rotation speed r/min	3000	3600
Combustion system		
Cooling system	Air cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter)-35#(chillness)diesel	
Lube oil brand L	SAE 10 W30(above CDgrade)	
Capacity of cooling water	Without	
Lube capacity L	1.1	
Starting motor capacity V-kW	12V	0.8kW
Charging generator capacity V-A	12V	3A
Battery capacity V-Ah	12V	36AH
Fuel Consumption g/kW h	276.1	285.6
Fuel tank capacity L	16	
Continuous running time hr	14	

KDE6500E



Specifications

Model	KDE6500E	
Rated frequency Hz	50	60
Rated output kVA	4.5	5.0
Max. output kVA	5.0	5.5
Rated voltage V	115/230	120/240
Rated Current A	39.2/19.6	
Rated rotation speed rpm	3000	3600
Phase NO.	Single phase	
Power factor	1.0	
Insulation grade	B	
Pole number	2	
Excitation mode	Self-excitation and constant voltage (AVR)	
Panel type	General Panel	
Voltage V	115/230	120/240
Output Receptacle	Two receptacles	
Connection pole	Without	
DC12V output	Connection pole output	
Overall dimension : LxWxH mm	720x492x650	
Dry weight Kg	100	
Working assorting weight	115	
Noise level (7m) dB(A)	77	
Structure type	Open frame	
Engine model	KM186FA	
Engine type	single-cylinder, Vertical, four-stroke, direct injection	
Cylinder NO.-borexstroke mm	1-86x72	
Displacement ml	418	
Rated power kW	5.7/3000	6.3/3600
Compression ratio	19:01	
Rated rotation speed r/min	3000	3600
Combustion system		
Cooling system	Air cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter)-35#(chillness)diesel	
Lube oil brand L	SAE 10 W30(above CDgrade)	
Capacity of cooling water	Without	
Lube capacity L	1.65	
Starting motor capacity V-kW	12V	0.8kW
Charging generator capacity V-A	12V	3A
Battery capacity V-Ah	12V	36AH
Fuel Consumption g/kW h	275.1	281.5
Fuel tank capacity L	15	
Continuous running time hr	8	

KDE6500T



Specifications

Model	KDE6500T	
Rated frequency	Hz	50 60
Rated output	kVA	4.5 5.0
Max. output	kVA	5.0 5.5
Rated voltage	V	115/230 120/240
Rated Current	A	39.2/19.6 41.7/20.8
Rated rotation speed	rpm	3000 3600
Phase NO.		single phase
Power factor		1.0
Insulation grade		B
Pole number		2
Excitation mode		Self-excitation and constant voltage (AVR)
Panel type		General Panel
Voltage	V	115/230 120/240
Output	Receptacle	Two receptacles
Connection pole		Without
DC12V output		Connection pole output
Overall dimension : LxWxH	mm	912x532x740
Dry weight	Kg	158
Working assorting weight		174
Noise level (7m)	dB(A)	72
Structure type		Silent
Engine model		KM186FA
Engine type		single-cylinder, vertical, four-stroke, direct injection
Cylinder NO.-borexstroke	mm	1-86x72
Displacement	ml	418
Rated power	kW	5.7/3000
Compression ratio		20:01
Rated rotation speed	r/min	3000 3600
Combustion system		
Cooling system		Air cooled
Lubrication system		pressure splashed
Starting system		Electric starter
Fuel type		0#(summer)-10#(winter)-35#(chillness) diesel
Lube oil brand	L	SAE 10 W30(above CDgrade)
Capacity of cooling water		Without
Lube capacity	L	1.65
Starting motor capacity	V-kW	12V 0.8kW
Charging generator capacity	V-A	12V 3A
Battery capacity	V-Ah	12V 36AH
Fuel Consumption	g/kW h	276.1 285.6
Fuel tank capacity	L	16
Continuous running time	hr	9.5

General

KDE11SS3



Specifications

Model	KDE11SS	
Rated frequency Hz	50	60
Rated output kVA	8.5	10.5
Max. output kVA	9.5	11.5
Rated voltage V	115/230	120/240
Rated Current A	74/37	87.6/43.8
Rated rotation speed rpm	1500	1800
Phase NO.	Single phase	
Power factor	1.0	
Insulation grade	F	
Pole number	4	
Excitation mode	Brushless Self-excitation and constant voltage (AVR)	
Panel type	Digital Panel	
Voltage V	115/230	120/240
Output Receptacle	Two single phase receptacles	
Connection pole	With	
DC12V output	Without	
Overall dimension : LxWxH mm	1570x780x1050	
Dry weight Kg	675	
Working assorting weight	750	
Noise level (7m) dB(A)	50 Hz: 51	60 Hz: 53
Structure type	Ultra silent	
Engine model	KD388G	
Engine type	Three-cylinder, in-lined four-stroke, direct injection	
Cylinder NO.-borexstroke mm	3-88x90	
Displacement ml	1642	
Rated power kW	12.3/1500	14.8/1800
Compression ratio	18.2:1	
Rated rotation speed r/min	1500	1800
Combustion system		
Cooling system	Water cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter)-35#(chillness)diesel	
Lube oil brand L	SAE 10 W30(above CD grade)	
Capacity of cooling water	8.5	
Lube capacity L	6.9	
Starting motor capacity V-kW	12V	1.4 kW
Charging generator capacity V-A	12V	15 A
Battery capacity V-Ah	12V	65 AH
Fuel Consumption g/kW h	230	258
Fuel tank capacity L	65	
Continuous running time hr		

Ultra Silent

KDE20SS3



Specifications

Model	KDE20SS3	
Rated frequency	Hz	50 60
Rated output	kVA	17 20
Max. output	kVA	18.5 22
Rated voltage	V	230/400 240/416
Rated Current	A	24.5 27.8
Rated rotation speed	rpm	1500 1800
Phase NO.	Three phase "Y" type connection	
Power factor	0.8(lag)	
Insulation grade	F	
Pole number	4	
Excitation mode	Brushless Self-excitation and constant voltage (AVR)	
Panel type	Digital Panel	
Voltage	V	230/400 240/416
Output	Receptacle	Two single phase receptacles
Connection pole	With	
DC12V output	Without	
Overall dimension : LxWxH	mm	1570x780x1050
Dry weight	Kg	720
Working assorting weight	790	
Noise level (7m)	dB(A)	50 Hz: 51 60 Hz: 53
Structure type	Ultra silent	
Engine model	KD488G	
Engine type	Four-cylinder, in-lined four-stroke, direct injection	
Cylinder NO.-borexstroke	mm	4-88x90
Displacement	ml	2190
Rated power	kW	16.4/1500 19.6/1800
Compression ratio	18.2:1	
Rated rotation speed	r/min	1500 1800
Combustion system		
Cooling system	Water cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter) -35#(chillness)diesel	
Lube oil brand	L	SAE 10 W30(above CD grade)
Capacity of cooling water	12	
Lube capacity	L	8.5
Starting motor capacity	V-kW	12V 1.4 kW
Charging generator capacity	V-A	12V 15 A
Battery capacity	V-Ah	12V 65 AH
Fuel Consumption	g/kW h	230 258
Fuel tank capacity	L	65
Continuous running time	hr	

Ultra Silent



KDE45SS3



Specifications

Model	KDE45SS3	
Rated frequency	Hz	50 660
Rated output	kVA	37 45
Max. output	kVA	40 48
Rated voltage	V	230/400 240/416
Rated Current	A	53.4 62.5
Rated rotation speed	rpm	1500 1800
Phase NO.	Three phase "Y" type connection	
Power factor	0.8(lag)	
Insulation grade	H	
Pole number	4	
Excitation mode	Brushless Self-excitation and constant voltage (AVR)	
Panel type	Digital Panel	
Voltage	V	230/400 240/416
Output	Receptacle	Two single phase receptacles
Connection pole	With	
DC12V output	Without	
Overall dimension : LxWxH	mm	225x950x1300
Dry weight	Kg	1270
Working assorting weight	1390	
Noise level (7m)	dB(A)	50 Hz: 51 60 Hz: 53
Structure type	ultra silent	
Engine model	KD4105G	
Engine type	Four-cylinder, in-lined, four-stroke, direct injection	
Cylinder NO.-borexstroke	mm	4-105x125
Displacement	ml	4330
Rated power	kW	37/1500 44/1800
Compression ratio	17.5:1	
Rated rotation speed	r/min	1500 1800
Combustion system		
Cooling system	Water cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter) -35#(chillness)diesel	
Lube oil brand	L	SAE 10 W30(above CD grade)
Capacity of cooling water	30	
Lube capacity	L	11
Starting motor capacity	V-kW	24 V 3.7kW
Charging generator capacity	V-A	28 V 35 A
Battery capacity	V-Ah	12V 80 AHx2
Fuel Consumption	g/kW h	245
Fuel tank capacity	L	95
Continuous running time	hr	

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KDE75SS3



Specifications

Model	KDE75SS3	
Rated frequency	Hz	50 60
Rated output	kVA	62 75
Max. output	kVA	66 80
Rated voltage	V	230/400 240/416
Rated Current	A	89.5 104
Rated rotation speed	rpm	1500 1800
Phase NO.	Three phase "Y" type connection	
Power factor	0.8(lag)	
Insulation grade	H	
Pole number	4	
Excitation mode	Brushless Self-excitation and constant voltage (AVR)	
Panel type	Digital Panel	
Voltage	V	230/400 240/416
Output	Receptacle	Two single phase receptacles
Connection pole	With	
DC12V output	Without	
Overall dimension : LxWxH	mm	2700x1140x1500
Dry weight	Kg	1650
Working assorting weight	1790	
Noise level (7m)	dB(A)	50 Hz: 51 60 Hz: 53
Structure type	ultra silent	
Engine model	KD6105G	
Engine type	Four-cylinder, in-lined, four-stroke, direct injection turbocharged	
Cylinder NO.-borexstroke	mm	6-105x125
Displacement	ml	6494
Rated power	kW	54/1500 65/1800
Compression ratio	17.5:1	
Rated rotation speed	r/min	1500 1800
Combustion system		
Cooling system	Water cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter) -35#(chillness)diesel	
Lube oil brand	L	SAE 10 W30(above CD grade)
Capacity of cooling water	45	
Lube capacity	L	18.5
Starting motor capacity	V-kW	24 V 4.5kW
Charging generator capacity	V-A	28 V 25 A
Battery capacity	V-Ah	12 V 120 AHx2
Fuel Consumption	g/kW h	255
Fuel tank capacity	L	110
Continuous running time	hr	

Ultra Silent

KDE20SS3



Specifications

Model	KDE20SS3	
Rated frequency	Hz	50 60
Rated output	kVA	17 20
Max. output	kVA	18.5 22
Rated voltage	V	230/400 240/416
Rated Current	A	24.5 27.8
Rated rotation speed	rpm	1500 1800
Phase NO.	Three phase "Y" type connection	
Power factor	0.8(lag)	
Insulation grade	F	
Pole number	4	
Excitation mode	Brushless Self-excitation and constant voltage (AVR)	
Panel type	Digital Panel	
Voltage	V	230/400 240/416
Output	Receptacle	Two single phase receptacles
Connection pole	With	
DC12V output	Without	
Overall dimension : LxWxH	mm	1570x780x1050
Dry weight	Kg	720
Working assorting weight	790	
Noise level (7m)	dB(A)	50 Hz: 51 60 Hz: 53
Structure type	Ultra silent	
Engine model	KD488G	
Engine type	Four-cylinder, in-lined four-stroke, direct injection	
Cylinder NO.-borexstroke	mm	4-88x90
Displacement	ml	2190
Rated power	kW	16.4/1500 19.6/1800
Compression ratio	18.2:1	
Rated rotation speed	r/min	1500 1800
Combustion system		
Cooling system	Water cooled	
Lubrication system	pressure splashed	
Starting system	Electric starter	
Fuel type	0#(summer)-10# (winter) -35#(chillness)diesel	
Lube oil brand	L	SAE 10 W30(above CD grade)
Capacity of cooling water	12	
Lube capacity	L	8.5
Starting motor capacity	V-kW	12V 1.4 kW
Charging generator capacity	V-A	12V 15 A
Battery capacity	V-Ah	12V 65 AH
Fuel Consumption	g/kW h	230 258
Fuel tank capacity	L	65
Continuous running time	hr	

Ultra Silent



KDE180EW



Specifications

Model	KDE180EW
Rated frequency (Hz)	50 60
Rated Power (kW/kVA)	2.8 2.8
Rated Voltage (V)	12.2 240/120
Rated current (A)	12.2 11.7/23.3
Phase number	single
Power factor (cos)	1
Welding voltage at zero load (DC) A	65 - 70
Rated welding Current DC A	160
Welding voltage (DC) V	25 - 30
Welding load continuous ratio	60%
Welding current adjustment range A	50 -180
Electrode mm	1.6 - 4.0
Rated speed r/min	3000 3600
Excitation mode	self - excitation and constant voltage (AVR)
Rectifying mode	IGB + three - phase rectifying bridge (PWM)
Insulation grade	F
Pole number	2
Engine mode	KM186FAG
Engine type	single-cylinder, four-stroke, air-cooled, direct injection
Displacement ml	418
Bore x stroke mm	86 X 72
Compression ratio	19
Rated Power r/min	5.7/3000 6.3/3600
Fuel type	0 # 9summer), -10# (winter), -35#(chill cold)light diesel
Lube oil brand	L-ECD Grade 15W30 or 15W40
Fuel consumption g/kW.h	≈340
Fuel tank capacity L	16
Continuous running time hr	10
Overall dimension (LxWxH) mm	720 x 480 x 645
Dry weight kg	147
Starting system	147
Noise level(at rated load) dB(A)/7m	78
Structure type	open frame

KDP40E



Specifications

Model	KDP 40 E
Suction & discharge port diameter (mm) (in)	100(4?)
Rated capacity (m3/h)	40
Max.capacity(m3/h)	75
Rated total head (m)	16
Max.total head (m)	31
Self-priming time (s/4m)	180
Max.suction head (m)	8
Rotation speed (r/min)	3600
Fuel consumption (g/kWh)	435
Noise level(dB(A)7m)	79
Overall dimension (mm)(LxWxH)	650x480x600
Net weight (kg)	69
Engine model KM	186
Rated power (kW)	6.3
Rated speed (r/min)	3600
Displacement (cm³)	406
Starter system KDP 40E:	Electric starter