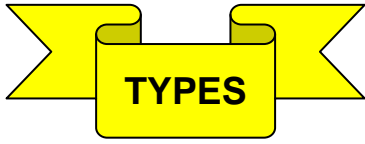


KEE HING CHEUNG KEE CO., LTD.
DLFTZ CHANG HING KEE
INT'L INDUSTRY & TRADE CO., LTD.



DIESEL GENERATOR SET OF VOLVO



TYPES



OPEN TYPE



SOUNDPROOF TYPE



CONTAINER TYPE



TRAILER TYPE

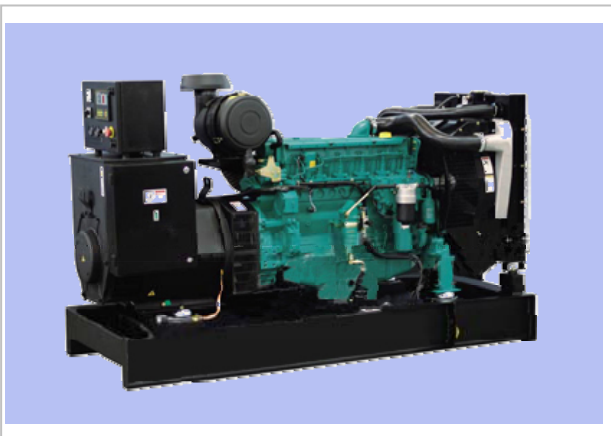
SERIES



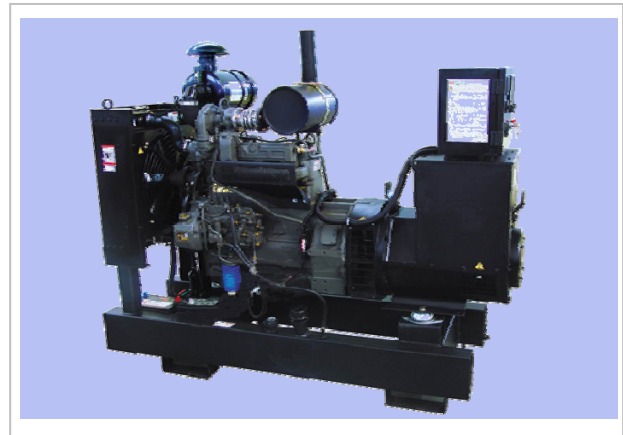
CUMMINS SERIES



DAEWOO SERIES



VOLVO SERIES



DEUTZ SERIES



MTU SERIES



CONTROL SYSTEM

KHCK V series KH-V94---KH-V688 (85kVA-630kVA)

KHCK V series environment consciousness genset's exhaust emission complies with EURO I or EURO III standards, and EPA standard as well. It is powered by VOLVO electronic fuel injection diesel engine, which is made by the global-famous Swedish VOLVO PENTA. VOLVO brand is established in 1927. For a long time, its strong brands are associated with its three core values: quality, safety and care for the environment. The VOLVO group subordinate's company VOLVO PENTA is absorbed in the production of industrial diesel engine, industrial vehicles and marine diesel engine products. It keeps ahead in the field of six cylinders engine and electronic fuel injection technique etc.





KH-V94---KH-V220

Model	KH-V94		KH-V109		KH-V142		KH-V165		KH-V206		KH-V220		
	prime	standby	prime	standby	prime	standby	prime	standby	prime	standby	prime	standby	
Genset Power(KW)	68	75	80	87	104	114	120	132	150	165	160	176	
Genset Power(KVA)	85	94	100	109	130	142	150	165	188	206	200	220	
Engine Power(KW)	78	85	94	102	117	128	140	153	166	183	183	201	
Engine Model	TD520GE		TAD520GE		TD720GE		TAD720GE		TAD721GE		TAD722GE		
Engine Manufacturer	Swedish Volvo PENTA												
Engine Configuration	4 cylinder in line,4 stroke, turbo charged, direct injection fuel system (TAD520GE: air to air cooling)				6 cylinder in line,4 stroke, turbo charged, direct injection fuel system, air to air cooling (no including TD720GE)								
Engine Cooling System	Radiators suitable for 40°C ambient temperature, strap drive the cooling fan with protection cover												
Speed Control System	Mechanical governor, electromagnetic valve controls starting and stopping								Mechanical governor, Electric governor--EDC4				
Start Mode	24V DC start, including charging alternator												
Engine Filter System	dry air filter, oil & water separator, fuel filter, oil filter												
Fuel System	Bosch Single Injection Pump												
Engine Displacement(L)	4.76		4.76		7.15		7.15		7.15		7.15		
Compression Ratio	17.5:1		17.5:1		17.5:1		17.5:1		18.1:1		18.1:1		
Bore×Stroke (mm)	108×130		108×130		108×130		108×130		108×130		108×130		
Max Exhaust Back Pressure(Kpa)	3		5										
100% Load Fuel Consumption(L/h)	19.6	21.6	23.1	25.0	29.4	32.2	32.8	35.9	40.3	44.7	44.7	49.8	
Oil Consumption(L/h)	0.07		0.08		0.10		0.10		0.08	0.08	0.08	0.09	
Air Consumption(L/s)	80		97		135		168		182	185	197	212	
Exhaust Gas Flow(L/s)	257		270		372		445		518	565	565	620	
Exhaust Temperature(°C)	610		520		560		476		527	540	540	557	
Oil Capacity (L)	13		13		20		20		34		34		
Coolant Capacity (L)	22		19.7		22		23.8		37.1		37.1		
Short Circuit Protection	MCCB breaker												
Rated Voltage/Frequency/Power Factors	400V/230V,50HZ,0.8 lag,3 phase and 4 wires												
Stable Frequency Adjustable Rate	less than 4%								0~5% adjustable				
Alternator Data	Free load voltage adjusting range: ≥95%~105%; stable voltage adjustable rate: less than ±1%; insulation class/protection class: H class /IP23;telephone influence factor/telephone harmonic factor: TIF<50/THF<2%												
Accessories Attached	Starting battery(maintenance free) and a set of connective wires; a suit of exhaust siphon, ripple flex exhaust pipe, flange, muffler, absorber;												
Dimension(mm)	2080×680×1450		2080×750×1450		2350×750×1450		2400×870×1450		2550×1050×1500		2550×1050×1500		
Weight(Kg)	1090		1150		1410		1560		1600		1600		
Fuel Tank in Base	Dimension (mm)	2080×940×1550		2080×920×1550		2350×920×1550		2400×920×1550		2600×1000×1770		2600×1000×1770	
	Weight (Kg)	1290		1350		1610		1760		1800		1800	
	Fuel capacity(L)	115		205		235							
Soundproof Canopy Model	270JY-3				320JY-3				350JY-3				



KH-V275---KH-V500

Model	KH-V275		KH-V305		KH-V358		KH-V412		KH-V450		KH-V500		
	prime	standby	prime	standby	prime	standby	prime	standby	prime	standby	prime	standby	
Genset Power(KW)	200	220	222	245	260	286	300	330	328	360	370	405	
Genset Power(KVA)	250	275	277	306	326	358	375	412	410	450	462	506	
Engine Power(KW)	220	245	253	277	295	323	332	363	363	398	401	440	
Engine Model	TAD734GE		TAD940GE		TAD941GE		TAD1241GE		TAD1242GE		TAD1640GE		
Engine Manufacturer	Swedish Volvo PENTA												
Engine Configuration	6 cylinder in line,4 stroke, turbo charged, electrical injection fuel system, air to air cooling												
Engine Cooling System	Radiators suitable for 40°C ambient temperature, strap drive the cooling fan with protection cover												
Speed Control System	Engine management system—EMS2						Electric governor-EDCIII			Engine management system-EMS2			
Start Mode	24V DC start, including charging alternator												
Engine Filter System	dry air filter, oil & water separator, fuel filter, oil filter, by-pass oil filter, coolant filter												
Fuel System	Electric injection fuel system												
Engine Displacement(L)	7.15		9.36		9.36		12.13		12.13		16.12		
Compression Ratio	17.0:1		20.2:1		17.4:1		17.5:1		17.5:1		17.5:1		
Bore×Stroke (mm)	108×130		120×138		120×138		131×150		131×150		144×165		
Max Exhaust Back Pressure(Kpa)	10												
100% Load Fuel Consumption(L/h)	53.4	59.8	60.5	67.3	70.9	78.4	78.3	86.0	86.0	95.7	95.5	105.8	
Oil Consumption(L/h)	0.01	0.01	0.03	0.03	0.04	0.04	0.11	0.12	0.12	0.14	0.10	0.10	
Air Consumption(L/s)	268	272	302	333	295	327	383	400	400	433	528	603	
Exhaust Gas Flow(L/s)	550	557	827		775	870	967	1050	1067	1150	1247	1423	
Exhaust Temperature(°C)	495	550	488		519	539	490	505	505	525	452	456	
Oil Capacity (L)	29		35		35		35		35		48		
Coolant Capacity (L)	32		41		41		44		44		93		
Short Circuit Protection	MCCB breaker												
Rated Voltage/Frequency /Power Factors	400V/230V,50HZ,0.8 lag,3 phase and 4 wires												
Stable Frequency Adjustable Rate	0~5% adjustable												
Alternator Data	Free load voltage adjusting range:≥95%~105%; stable voltage adjustable rate: less than ±1%; insulation class/protection class: H class /IP23; telephone influence factor/telephone harmonic factor: TIF<50/THF<2%												
Accessories Attached	starting battery(maintenance free) and a set of connective wires; a suit of exhaust siphon, ripple flex exhaust pipe, flange, muffler, absorber;												
Dimension(mm)	2650×1120×1595		2800×1120×1595		2950×1120×1595		3100×1100×1630		3100×1100×1630		3300×1160×2000		
Weight(Kg)	2400		2600		2700		2810		2970		3800		
Fuel Tank in Base	Dimension (mm)	2650×1050×1670		2950×1120×1650		2950×1120×1770		3100×1120×1850		3100×1120×1850		3300×1270×2030	
	Weight(Kg)	2700		2900		3000		3110		3270		4150	
	Fuel capacity(L)	235		450				520				700	
Soundproof Canopy Model	350JY-3		420JY-3						460JY-3				



KH-V550---KH-V688

Model	KH-V550		KH-V625		KH-V688	
	prime	standby	prime	prime	standby	prime
Genset Power(KW)	400	440	456	505	505	560
Genset Power(KVA)	500	550	570	630	630	700
Engine Power(KW)	441	484	496	547	553	613
Engine Model	TAD1641GE		TAD1642GE		TWD1643GE	
Engine Manufacturer	Swedish Volvo PENTA					
Engine Configuration	6 cylinder in line,4 stroke, turbo charged, electrical injection fuel system, air to air cooling				6 cylinder in line,4 stroke, dual stage turbo charged, electrical injection fuel system, water to air cooling	
Engine Cooling System	Radiators suitable for 40℃ ambient temperature, strap drive the cooling fan with protection cover					
Speed Control System	Engine management system—EMS2					
Start Mode	24V DC start, including charging alternator					
Engine Filter System	dry air filter, oil & water separator, fuel filter, oil filter, by-pass oil filter, coolant filter					
Fuel System	electronic injection fuel system					
Engine Displacement(L)	16.12		16.12		16.12	
Compression Ratio	16.5:1		16.5:1		16.5:1	
Bore×Stroke (mm)	144×165		144×165		144×165	
Max Exhaust Back Pressure(Kpa)	10					
100% Load Fuel Consumption(L/h)	104.5	115.2	118.7	132.8	131.0	145.9
Oil Consumption(L/h)	0.10	0.10	0.10	0.11	0.10	0.11
Air Consumption(L/s)	592	633	633	650	728	783
Exhaust Gas Flow(L/s)	1417	1533	1543	1678	1693	1863
Exhaust Temperature(℃)	443	455	471	494	450	463
Oil Capacity (L)	48		48		48	
Coolant Capacity (L)	93		93		128	
Short Circuit Protection	MCCB breaker					
Rated Voltage/Frequency/Power Factors	400V/230V,50HZ,0.8 lag,3 phase and 4 wires					
Stable Frequency Adjustable Rate	0~5% adjustable					
Alternator Data	Free load voltage adjusting range:≥95%~105%; stable voltage adjustable rate: less than ±1%; insulation class/protection class: H class /IP23; telephone influence factor/telephone harmonic factor: TIF<50/THF<2%					
Accessories Attached	Starting battery(maintenance free) and a set of connective wires; a suit of exhaust siphon, ripple flex exhaust pipe, flange, muffler, absorber;					
Dimension(mm)	3300×1160×2000		3300×1160×2000		3400×1380×2050	
Weight(Kg)	3800		3850		4050	
Fuel Tank in Base	Dimension(mm)	3300×1270×2030		3300×1270×2030		3400×1400×2100
	Weight (Kg)	4150		4200		4400
	Fuel capacity(L)	700				800
Soundproof Canopy Model	460JY-3				500JY-3	