

RELIABLE ENERGY SOLUTIONS



YANGDONG

KSY SERIES GENERATORS

Technical Specifications

DIESEL ENGINE

SHANGHAI With 12V/24V volt starter and charging alternator
Changeable air, fuel and oil filter
Mechanical governor control
With tropical radiators
With flexible fuel hose
With oil drain valve and extension hose
Industrial type muffler and steel compensator
Starter type batteries
Engine jacket water heater
1500 rpm engine speed

OPTIONAL EQUIPMENTS

Moulded case circuit breaker (for automatic models)
Sound insulation cabinet
Trailer mounted generator set
Automatic fuel filling system
Synchronization board
3-pole / 4-pole power transfer board
Fuel heater, oil heater
External fuel tank and automatic fuel filling system
Fuel / water separator filter
Computer controlled remote monitoring and control panel

ALTERNATOR

IP 21-23 protection class
H insulation class
50 Hz frequency
4-pole brushless synchronous type
With automatic voltage regulator (AVR)
400/230V AC output voltage

CABINET AND CHASSIS

Design suitable for easy lifting and carrying
Cabin equipped with sound insulation
Modular cabinet design
Lockable cabinet covers
Panel monitoring with transparent window
Durable electrostatic powder coated
With emergency stop button
Fuel tank in integrated in chassis
Robust and flexible anti-vibration wedges



YANGDONG KSY SERIES GENERATORS

MODEL			KSY 22	KSY 28	KSY 34
Stand By	kVA		22	28	34
	kW		17,6	22	27
Prime	kVA		20	25	30
	kW		16	20	24
Continuous Current		A	30,8	38,5	46,2
Engine			YANGDONG	YANGDONG	YANGDONG
Engine Model			YND485D	Y490D	Y4100D
Number of Cylinder and Type			4 INLINE	4 INLINE	4 INLINE
Injection and System Type			Direkt	Direkt	Direkt
Electrical System (VCD)		V	12	12	12
Compression Ratio			18:01	18:01	18:01
Cylinder Volume		lt	2,15	2,67	3,707
Bore		mm	85	90	100
Stroke		mm	95	100	118
Aspiration			Natural	Natural	Natural
Speed		d/dk	1500	1500	1500
Oil Capacity		lt	5,5	7,6	9,7
Fuel Type			Euro Diesel	Euro Diesel	Euro Diesel
Governor System			Mechanic	Mechanic	Mechanic
Cooling Method			Water Cooled	Water Cooled	Water Cooled
Total Coolant Capacity			7	10,7	10,7
Continuous (Prime)	At Full Load		5,2	6,43	7,29
Power fuel consumption	%75 Load	lt	4,36	5,77	5,69
	%50 Load		3,46	4,81	4,04
Alternator Model			KCS-184E	KCS-184F	KCS-184G
Frequency		Hz	50	50	50
Power		kVA	24	28	34
Voltage		V	230 / 400	230 / 400	230 / 400
Phase			3	3	3
Automatic Voltage Regulator			AS440	AS440	AS440
Voltage Regulation			±1%	±1%	±1%
Insulation Class			H	H	H
Protection Class			IP 22	IP 22	IP 22
Power Factor		cos φ	0.8	0.8	0.8
Weight with / without Cabinet		kg	630 / 500	680 / 550	750 / 620
Width with / without Cabinet		mm	900 / 1900	900 / 900	900 / 1900
Length with / without Cabinet		mm	1900 / 1900	1900 / 1900	1900 / 1900
Height with / without Cabinet		mm	1290 / 1150	1290 / 1150	1290 / 1150
Fuel Tank Capacity		lt	105	105	105

Standby Power: Using the generator under variable load as a backup to the mains energy as emergency power supply, no overloading.

Prime Power: Using it as a 24/24-hour continuous power supply under variable loads. 1/12 hour can be allowed to 10% overload.

Kocsan Generator reserves the right to make changes to the model, specifications, color, equipment and accessories of the products without prior notice.



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MODEL	KSY 44		KSY 55		KSY 66	
	Stand By	kVA	44	55	66	
	kW	35	44	52,8		
Prime	kVA	40	50	60		
	kW	32	37	48		
Continuous Current	A	61,6	77	92,4		
Engine		YANGDONG	YANGDONG	YANGDONG		
Engine Model		Y4105D	Y4102ZLD	Y4105ZLD		
Number of Cylinder and Type		4 INLINE	4 INLINE	4 INLINE		
Injection and System Type		Direkt	Direkt	Direkt		
Electrical System (VCD)	V	12	12	12		
Compression Ratio		18:01	18:01	18:01		
Cylinder Volume	lt	4,1	3,875	4,1		
Bore	mm	105	102	105		
Stroke	mm	118	118	118		
Aspiration		Natural	Natural	Natural		
Speed	d/dk	1500	1500	1500		
Oil Capacity	lt	10,46	10,46	10,46		
Fuel Type		Euro Diesel	Euro Diesel	Euro Diesel		
Governor System		Mechanic	Mechanic	Mechanic		
Cooling Method		Water Cooled	Water Cooled	Water Cooled		
Total Coolant Capacity		10,7	10,7	10,7		
Continuous (Prime) Power fuel consumption	At Full Load		8,8	10,8	12,1	
	%75 Load	lt	6,75	8,52	9,71	
	%50 Load		5,58	6,71	7,57	
Alternator Model		KCS-184J	KCS-224C	KCS-224D		
Frequency	Hz	50	50	50		
Power	kVA	46	55	66		
Voltage	V	230 / 400	230 / 400	230 / 400		
Phase		3	3	3		
Automatic Voltage Regulator		AS440	AS440	AS440		
Voltage Regulation		±1%	±1%	±1%		
Insulation Class		H	H	H		
Protection Class		IP 22	IP 22	IP 22		
Power Factor	cos φ	0.8	0.8	0.8		
Weight with / without Cabinet	kg	890 / 790	950 / 750	1040 / 840		
Width with / without Cabinet	mm	1000 / 1000	1000 / 1000	1000 / 1000		
Length with / without Cabinet	mm	2000 / 2000	2300 / 2300	2300 / 2300		
Height with / without Cabinet	mm	1490 / 1350	1590 / 1450	1590 / 1450		
Fuel Tank Capacity	lt	143	155	155		

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MODEL	KSY 75		KSY 100		KSY 110	
	Stand By	Prime	Stand By	Prime	Stand By	Prime
Continuous Current	A		97,4	130	144	
Engine			YANGDONG	YANGDONG	YANGDONG	
Engine Model			Y4EZLD	Y4110ZLD	YD4GZLD	
Number of Cylinder and Type			4 INLINE	4 INLINE	4 INLINE	
Injection and System Type			Direkt	Direkt	Direkt	
Electrical System (VCD)	V		24	24	24	
Compression Ratio			18:01	18:01	18:01	
Cylinder Volume	lt		4,01	4,3	4,3	
Bore	mm		105	110	110	
Stroke	mm		118	118	118	
Aspiration			Natural	Natural	Natural	
Speed	d/dk		1500	1500	1500	
Oil Capacity	lt		10,46	12	17	
Fuel Type			Euro Diesel	Euro Diesel	Euro Diesel	
Governor System			Electronic	Electronic	Electronic	
Cooling Method			Water Cooled	Water Cooled	Water Cooled	
Total Coolant Capacity			10,7	12	7,2	
Continuous (Prime)	At Full Load		12,3	13,5	22,1	
Power fuel consumption	%75 Load	lt	9,9	10,6	18,9	
	%50 Load		8,85	7,9	14,2	
Alternator Model			KCS-224E	KCS-224G	KCS-184E	
Frequency	Hz		50	50	50	
Power	kVA		80	103	110	
Voltage	V		230 / 400	230 / 400	230 / 400	
Phase			3	3	3	
Automatic Voltage Regulator			AS440	AS440	AS440	
Voltage Regulation			±1%	±1%	±1%	
Insulation Class			H	H	H	
Protection Class			IP 22	IP 22	IP 22	
Power Factor	cos φ		0.8	0.8	0.8	
Weight with / without Cabinet	kg		1150 / 950	1250 / 1010	1290 / 1050	
Width with / without Cabinet	mm		1000 / 1000	1000 / 1000	1000 / 1000	
Length with / without Cabinet	mm		2300 / 2300	2500 / 2500	2500 / 2500	
Height with / without Cabinet	mm		1590 / 1450	1590 / 1450	1590 / 1450	
Fuel Tank Capacity	lt		155	197	197	

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Control Panel

Technical Specifications

- » Diesel and gas generator support
- » 400 Hz generator support
- » Event recording with 400x metric values
- » All parameters can be changed from the front panel
- » 3-level program password
- » 128x64 pixel graphic LCD
- » Language installation
- » Current-voltage waveform
- » Current-voltage harmonic analysis
- » 16Amp/250V CC/JK output
- » 8 programmed digital inputs
- » 6 programmed digital outputs
- » 3 programmed analog inputs
- » CANBUS-J1939 & MPU input
- » 3 programmed service alarms
- » Multiple automated test programs
- » Weekly work schedule
- » Dual generator support, equal aging
- » Fine speed adjustment (some ECUs)
- » Automatic fuel pump control
- » Protections cancellation feature
- » Overpower protection
- » Reverse power protection
- » Overcurrent IDMT protection
- » Load shedding, dummy load
- » Multiple load shedding programs
- » Current imbalance protection
- » Voltage imbalance protection
- » Refueling and theft alarms
- » Battery-assisted real-time clock
- » Idle speed control
- » Battery charging operation
- » Battle mode support
- » Multiple nominal requirement definitions
- » Contactor and motor switch drive
- » 4 quarter energy meters
- » Mains energy meters
- » Fuel filling counter
- » Fuel consumption counter
- » Modem diagnostics page
- » Parameter setting via USB, RS-232 and GPRS
- » Free configuration software
- » Possibility of control via SMS
- » Ready for centralized monitoring
- » Mobile generator support
- » Automatic GSM geolocation
- » GPS connection (RS232)
- » Throwing software via USB
- » IP65 protection (with seal)



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