



Quality Driven Energy

Diesel water-cooled generator sets



Diesel water-cooled generator sets

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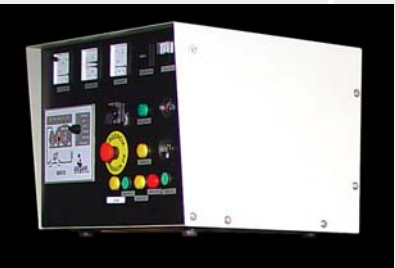
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GESAN reserves the right to change any part of its design without prior warning.

GESAN open skid generator sets

GESAN's range of open skid generating sets is the result of three factors put together; many years of experience, innovative technology and the use of top quality components whilst maintaining tight controls over regulations on machine security.

The result is a unique and innovative design enabling easy maintenance and low cost storage and transport whilst ensuring that GESAN's open skid generators perform to the highest of expectations.



GESAN's diesel range is EC compliant meeting the following regulations:

- 98/37/EC Machine Security.
- 73/23/EEC Voltage limits.
- 89/336/EEC Electromagnetic Compatibility.

Characterized by an extensive choice of engine and alternator combinations, GESAN's open skid range also includes a wide variety of automatisms, for example:

- Key start up.
- Remote start or remote start via signal.
- Automatic mains failure.
- Synchronisation between generators and/or mains.



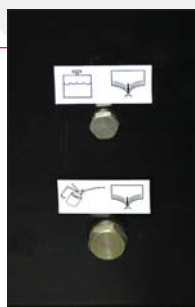
GESAN-Soundproofed Range

GESAN's range of soundproofed generating sets is the result of three factors put together; many years of experience, innovative technology and the selection of top quality components.

These three factors together with maintaining strict control over complying with regulations on machine security has lead to a range of robust and reliable units built to the highest possible standard able to withstand even the most challenging of work conditions.

GESAN's diesel range is EC compliant meeting the following regulations:

- 98/37/EC Machine Security.
- 73/23/EEC Voltage limits.
- 89/336/EEC Electromagnetic Compatibility
- 2000/14/EC Noise emission by equipment for outdoor use.



Top quality

The use of top quality components GUARANTEES endurance and ensures that noise level requirements are met.

- Seamless welded, steel baseframe, coated with a phosphate primer and paint.
- Durable sheet steel Canopy with stainless steel bolting.
- Impact locks which ensure that the doors close in perfect adjustment with the canopy.
- Strict painting process withholding 700 hours in saline mist chamber according to saline mist test ASTM B-117-57 T providing perfect performance against even the most aggressive of external conditions.
- Glass fibre, fireproof, sound insulation, 50 mm in thickness and 80 mm in density, protected by a waterproof coating and fixed to the metal edges on all top, sides and doors.
- Stainless steel residential silencer.
- Diesel engine fitted with an outdoor filtering system and condensation separator in the fuel supply.
- High performance alternator.



Easy maintenance

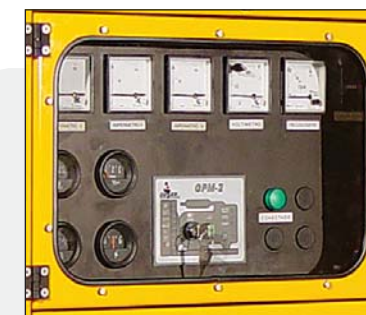
The GESAN design GUARANTEES efficient maintenance, storage and transport.

- Engine and alternator easily accessible for maintenance or replacement purposes.
- Central eyebolt lifting hook which allows the unit to be moved quickly and easily.
- External access to the valve- controlled fuel tank avoiding leakages inside the enclosure.
- Compact design with the aim of reducing transport and storage costs.
- Coolant and engine oil may be drained externally.

Maximum security

High security measures GUARANTEE that both people and the unit are adequately protected.

- Emergency stop button situated on the outside of the enclosure and next to the electric panel.
- Magneto-thermic protection against short circuits and overloads.
- Earth leakage relay avoiding indirect contact with persons.
- Battery disconnecter.
- Electric panel fitted with adequate instrumentation ensuring correct surveillance of the unit in operation via a see-through window.
- Control card which guarantees amongst other factors, the automatic shutdown of the engine due to overheating, low oil pressure, low coolant level, start-up failure and emergency stop etc...



Multiple configurations

Different configuration options GUARANTEES that the unit may be adapted to different operating conditions.

- Optional site or road trailer. Site trailer is fitted with a galvanised metal jockey wheel and handbrake. The road trailer also includes inertia brake and suspension.
- Multiple engine and alternator options.
- Varied choice of sockets panels
- A variety of automatisms allowing for different types of operation:
 - Key start up.
 - Remote start or remote start via signal.
 - Automatic mains failure.
 - Synchronisation between generators and/or mains.





Perkins open skid

Model	Generator Set				Engine				Alternator	
	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model
	Prime	Standby	Prime	Standby						
DP 9	9,1	10	11,4	12,4	403C-11 G	3L	1.131	M	MECC ALTE	BTO3-2S/4
DP 13	13,3	14,5	16,1	17,5	403C-15 G	3L	1.496	M	MECC ALTE	BTO3-2L/4
DP 20	20,3	22,7	23,4	25,3	404C-22 G	4L	2.216	M	STAMFORD	BCI 184 E1
DP 27	27,5	30	30,5	34	3.1524	3L	2.500	M	STAMFORD	BCI 184 F1
DP 45	44,5	49	52,5	57	1004 G	4L	3.990	M	STAMFORD	UCDI 224 C1
DP 65	65	71,5	70	77,5	1004-TG1	4L	3.990	M	STAMFORD	UCDI 224 E1
DP 75	76	83	88	97	1004 TG2	4L	3.990	M	STAMFORD	UCDI 224 F1
DP 100	100	110	112,5	125	1104C-44TAG2	4L	4.400	E	STAMFORD	UCI 274 C1
DP 140	136	150	151	165,5	1006-TAG	6L	6.000	E	STAMFORD	UCI 274 E1
DP 200	208	229	—	—	1306C-E87TAG3	6L	8.710	GE	STAMFORD	UCI 274 H1
DP 250	250	275	245	270	1306C-E87TAG6	6L	8.710	GE	STAMFORD	UCDI 274 K1
DP 350	350	400	400	438	2306C-E14TAG2	6L	14.600	GE	STAMFORD	HCKI 444 E1
DP 400	400	450	438	481	2306C-E14TAG3	6L	14.600	GE	STAMFORD	HCKI 444 F1
DP 450	453	503	575	637	2806C-E16TAG1	6L	15.800	GE	STAMFORD	HCI 544 C1
DP 500	503	553	637	699	2806C-E16TAG2	6L	15.800	GE	STAMFORD	HCI 544 C1
DP 630	635	700	625	688	2806C-E18TAG2	6L	18.100	GE	STAMFORD	HCI 544 F1

M: Mechanical.
E: Electronic.
GE: Electronic engine management.

Perkins soundproofed

Model	Generator Set				Engine				Alternator		Noise Level	
	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model	Pressure dBA	LWA dBA output
	Prime	Standby	Prime	Standby								
DPS 9	9,1	10	11,4	12,4	403C-11 G	3L	1.131	M	MECC ALTE	BTO3-2S/4	67	87
DPS 13	13,3	14,5	16,1	17,5	403C-15 G	3L	1.496	M	MECC ALTE	BTO3-2L/4	69	87
DPS 20	20,3	22,7	23,4	25,3	404C-22 G	4L	2.216	M	STAMFORD	BCI 184 E1	69	87
DPS 27	27,5	30	30,5	34	3.1524	3L	2.500	M	STAMFORD	BCI 184 F1	62	90
DPS 45	44,5	49	52,5	57	1004 G	4L	3.990	M	STAMFORD	UCDI 224 C1	65	93
DPS 65	65	71,5	70	77,5	1004-TG1	4L	3.990	M	STAMFORD	UCDI 224 E1	65	93
DPS 75	76	83	88	97	1004 TG2	4L	3.990	M	STAMFORD	UCDI 224 F1	63	91
DPS 100	100	110	112,5	125	1104C-44TAG2	4L	4.400	E	STAMFORD	UCI 274 C1	65	93
DPS 140	136	150	151	165,5	1006-TAG	6L	6.000	E	STAMFORD	UCI 274 E1	68	96
DPS 200	208	229	—	—	1306C-E87TAG3	6L	8.710	GE	STAMFORD	UCI 274 H1	71	99
DPS 250	250	275	245	270	1306C-E87TAG6	6L	8.710	GE	STAMFORD	UCDI 274 K1	70	98
DPS 350	350	400	400	438	2306C-E14TAG2	6L	14.600	GE	STAMFORD	HCKI 444 E1	71	99
DPS 400	400	450	438	481	2306C-E14TAG3	6L	14.600	GE	STAMFORD	HCKI 444 F1	71	99
DPS 450	453	503	575	637	2806C-E16TAG1	6L	15.800	GE	STAMFORD	HCI 544 C1	63	95
DPS 500	503	553	637	699	2806C-E16TAG2	6L	15.800	GE	STAMFORD	HCI 544 C1	63	95
DPS 630	635	700	625	688	2806C-E18TAG2	6L	18.100	GE	STAMFORD	HCI 544 F1	63	95



Supply options

Electric panel:
Key Start
Automatic via signal, clock etc...

Accessories:
Permanent magnet.
Sockets panel.
Diesel pump system.
Residential silencers.
Retention bath.

Voltage: 3-phase	400/230 V 415/240 V 415/208 V 380/220 V 220/127 V 208/120 V
	Single phase 240 V 230 V 220 V

For other accessories, please consult.

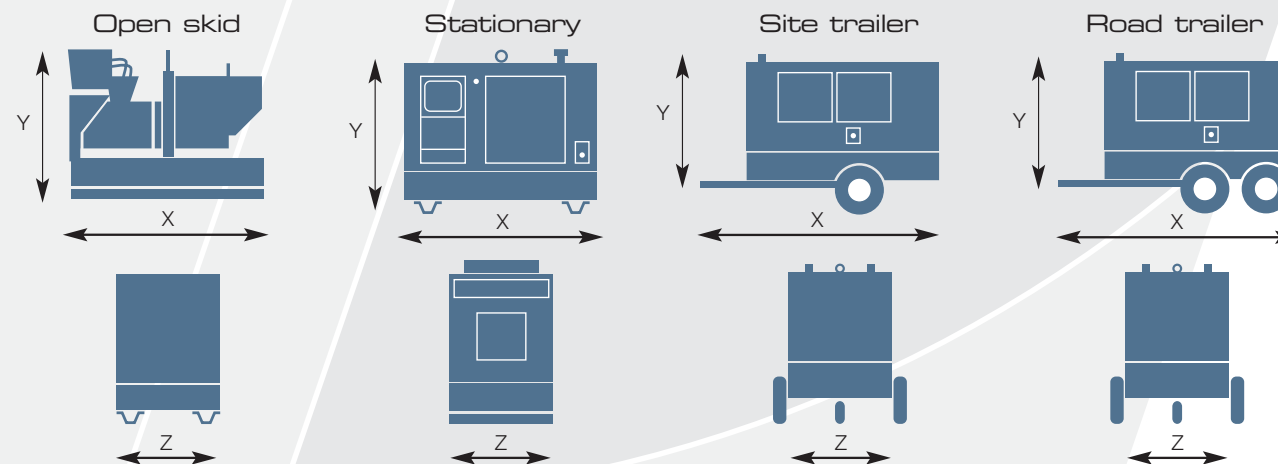
Further information:
Please consult technical data sheets.

Prime power:
Power available with variable load at an average of 80% of rated prime power. Overload of 10% is permitted 1 hour in every 12 hours operation

Standby power:
Power available at variable load for up to a maximum of 500 hours during one year during of which 300 hours may be for emergency use. No overload is permitted.

Environmental conditions:
Power data obtained for room temperature of 25°C, relative humidity 60% and pressure of 100kPa. Power may vary under different pressure, temperature or humidity conditions.

Weights, dimensions and fuel tank capacity



Model	Open skid					Stationary					Site trailer					Road trailer				
	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres
DP/ 9	1.400	1.090	750	347	30	1.860	1.180	840	547	52	2.800	1.520	1.190	602	52	2.830	1.540	1.320	612	52
DP/ 13	1.400	1.090	750	428	30	1.860	1.180	840	628	52	2.800	1.520	1.190	683	52	2.830	1.540	1.320	693	52
DP/ 20	1.550	1.325	750	558	90	1.860	1.180	840	748	52	2.800	1.520	1.190	803	52	3.150	1.550	1.320	813	52
DP/ 27	1.550	1.325	750	644	90	2.250	1.505	1.050	1.164	125	3.155	1.770	1.495	1.244	125	3.580	1.780	1.700	1.314	125
DP/ 45	1.965	1.675	800	814	157	2.250	1.505	1.050	1.294	125	3.155	1.770	1.495	1.374	125	3.580	1.780	1.700	1.444	125
DP/ 65	1.965	1.675	800	912	157	2.800	1.535	980	1.502	138	3.740	1.840	1.500	1.632	138	4.170	1.840	1.630	1.652	138
DP/ 75	1.965	1.675	800	980	157	2.800	1.535	980	1.570	138	3.740	1.840	1.500	1.700	138	4.170	1.840	1.630	1.720	138
DP/ 100	1.965	1.675	800	1.049	157	2.800	1.535	980	1.639	186	3.740	1.840	1.500	1.769	186	4.170	1.840	1.630	1.789	186
DP/ 140	2.490	1.765	900	1.375	250	3.500	1.785	1.100	2.205	251	4.500	2.100	1.725	2.305	251	5.000	2.090	1.710	2.495	251
DP/ 200	2.900	2.025	1.150	2.279	418	3.675	2.055	1.400	3.299	418	4.850	2.500	2.000	3.474	418					
DP/ 250	2.900	2.025	1.150	2.495	418	3.675	2.055	1.400	3.515	418	4.850	2.500	2.000	3.690	418					
DP/ 350	3.430	2.163	1.200	3.759	554	4.580	2.235	1.500	4.909	537	5.600	2.650	2.100	5.229	537					
DP/ 400	3.430	2.163	1.200	3.894	554	4.580	2.235	1.500	5.044	537	5.600	2.650	2.100	5.364	537					
DP/ 450	3.810	2.320	1.250	4.269	964	5.500	2.435	1.550	5.739	964	6.550	2.900	2.170	6.039	964					
DP/ 500	3.810	2.320	1.250	4.273	964	5.500	2.435	1.550	5.743	964	6.550	2.900	2.170	6.043	964					
DP/ 630	4.440	2.640	1.720	4.992	995	5.800	2.635	1.900	7.357	995										

Measurements: mm Weight: kg



VOLVO open skid

Generator Set					Engine				Alternator	
Model	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model
	Prime	Standby	Prime	Standby						
DV 130	130	142	132	146	TD 720 GE	6L	7.150	M	STAMFORD	UCI 274 E1
DV 150	152	167	161	177	TAD 720 GE	6L	7.150	M	STAMFORD	UCI 274 F1
DV 180	186	205	205	226	TAD 721 GE	6L	7.150	GE	STAMFORD	UCI 274 G1
DV 200	205	226	226	251	TAD 722 GE	6L	7.150	GE	STAMFORD	UCI 274 H1
DV 250	253	275	262	289	TAD 740 GE	6L	7.280	E	STAMFORD	UCDI 274 K1
DV 300	300	330	340	374	TAD 941 GE	6L	9.360	GE	STAMFORD	HCKI 444 D
DV 325	325	358	345	375	TAD 941 GE	6L	9.360	GE	STAMFORD	HCKI 444 E
DV 375	375	412	400	439	TAD 1241 GE	6L	12.130	GE	STAMFORD	HCKI 444 F1
DV 410	409	450	455	500	TAD 1242 GE	6L	12.130	GE	STAMFORD	HCKI 444 F1
DV 460	462	506	508	564	TAD 1640 GE	6L	16.120	GE	STAMFORD	HCI 544 C1
DV 500	505	556	570	642	TAD 1641 GE	6L	16.120	GE	STAMFORD	HCI 544 C1

M: Mechanical.
E: Electronic.
GE: Electronic engine management.

VOLVO soundproofed

Generator Set					Engine				Alternator		Noise Level	
Model	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model	Pressure dBA	LWA dBA output
	Prime	Standby	Prime	Standby								
DVS 130	130	142	132	146	TD 720 GE	6L	7.150	M	STAMFORD	UCI 274 E1	71	99
DVS 150	152	167	161	177	TAD 720 GE	6L	7.150	M	STAMFORD	UCI 274 F1	71	99
DVS 180	186	205	205	226	TAD 721 GE	6L	7.150	GE	STAMFORD	UCI 274 G1	68	96
DVS 200	205	226	226	251	TAD 722 GE	6L	7.150	GE	STAMFORD	UCI 274 H1	69	98
DVS 250	253	275	262	289	TAD 740 GE	6L	7.280	E	STAMFORD	UCDI 274 K1	70	99
DVS 300	300	330	340	374	TAD 941 GE	6L	9.360	GE	STAMFORD	HCKI 444 D	71	99
DVS 325	325	358	345	375	TAD 941 GE	6L	9.360	GE	STAMFORD	HCKI 444 E	71	99
DVS 375	375	412	400	439	TAD 1241 GE	6L	12.130	GE	STAMFORD	HCKI 444 F1	71	99
DVS 410	409	450	455	500	TAD 1242 GE	6L	12.130	GE	STAMFORD	HCKI 444 F1	71	99
DVS 460	462	506	508	564	TAD 1640 GE	6L	16.120	GE	STAMFORD	HCI 544 C1	62	94
DVS 500	505	556	570	642	TAD 1641 GE	6L	16.120	GE	STAMFORD	HCI 544 C1	62	94

Supply options

Prime power:

Power available with variable load at an average of 80% of rated prime power. Overload of 10% is permitted 1 hour in every 12 hours operation

Standby power:

Power available at variable load for up to a maximum of 500 hours during one year during of which 300 hours may be for emergency use. No overload is permitted.

Environmental conditions:

Power data obtained for room temperature of 25°C, relative humidity 60% and pressure of 100kPa. Power may vary under different pressure, temperature or humidity conditions.

Electric panel:

Key Start
Automatic via signal, clock etc...

Accessories:

Permanent magnet.
Sockets panel.
Diesel pump system.
Residential silencers.
Retention bath.

For other accessories,
please consult.

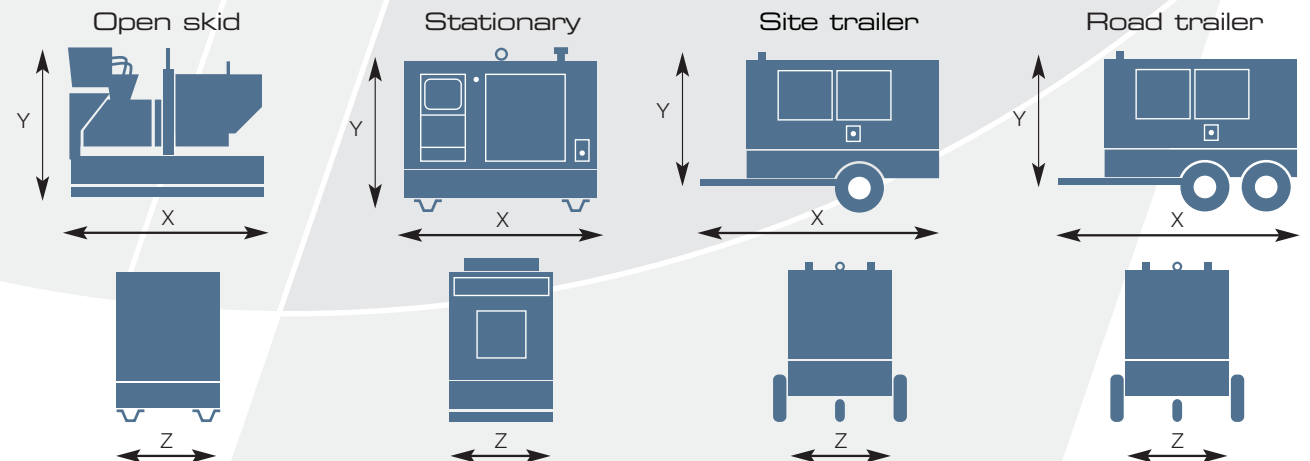
Further information:

Please consult technical data
sheets.

Voltage:

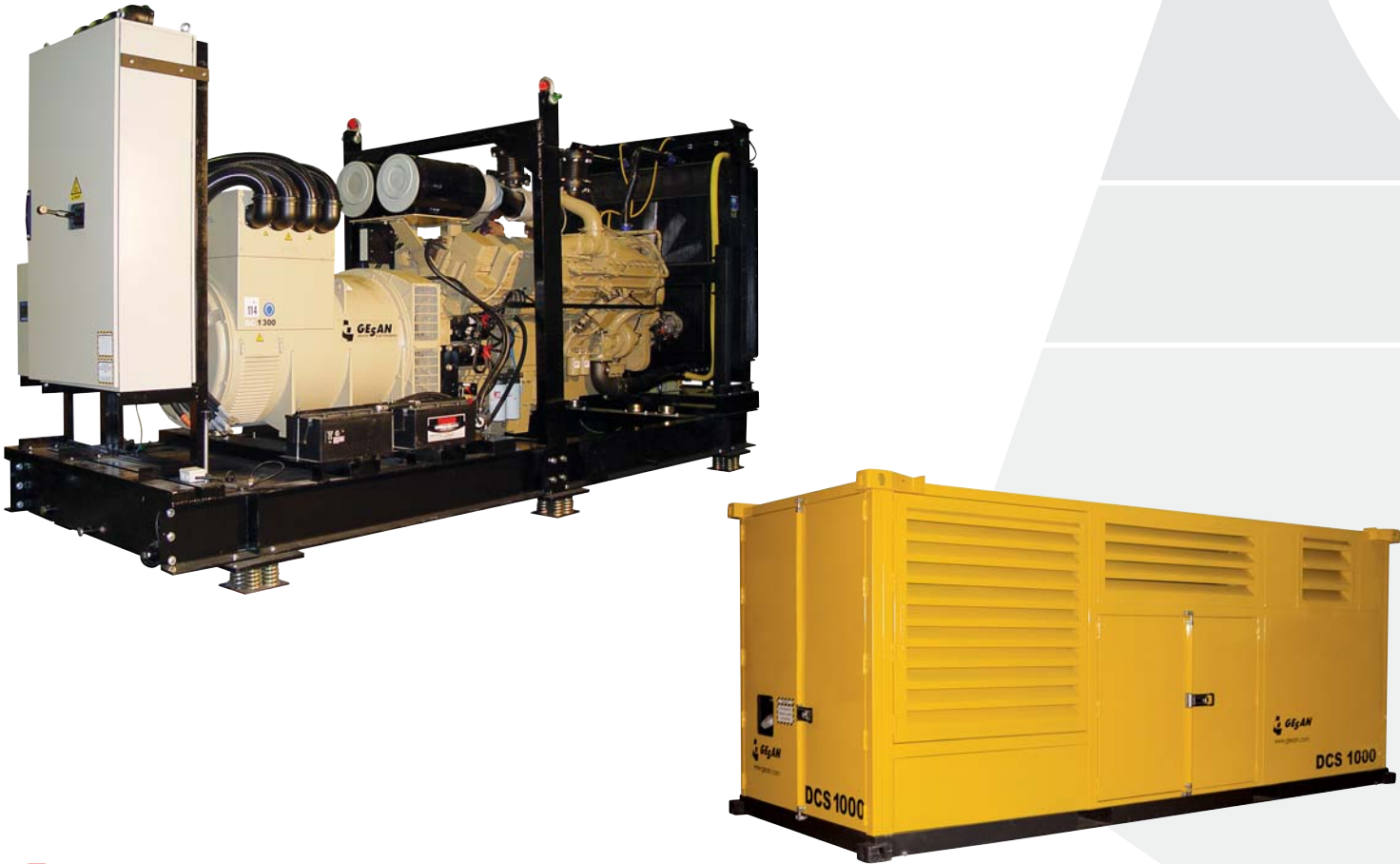
3-phase	400/230 V
	415/240 V
	415/208 V
	380/220 V
	220/127 V
Single phase	208/120 V
	240 V
	230 V
	220 V

Weights, dimensions and fuel tank capacity



Model	Open skid					Stationary					Site trailer					Road trailer				
	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres
DV/ 130	2.490	1.765	900	1.535	250	3.500	1.785	1.100	2.365	251	4.500	2.100	1.725	2.465	251	5.000	2.090	1.710	2.655	251
DV/ 150	2.490	1.765	900	1.587	250	3.500	1.785	1.100	2.417	251	4.500	2.100	1.725	2.517	251	5.000	2.090	1.710	2.707	251
DV/ 180	2.900	2.025	1.150	2.253	418	3.675	2.055	1.400	3.273	418	4.850	2.500	2.000	3.448	418					
DV/ 200	2.900	2.025	1.150	2.299	418	3.675	2.055	1.400	3.319	418	4.850	2.500	2.000	3.494	418					
DV/ 250	2.900	2.025	1.150	2.579	418	3.675	2.055	1.400	3.599	418	4.850	2.500	2.000	3.774	418					
DV/ 300	3.430	2.163	1.200	3.234	554	4.580	2.235	1.500	4.384	537	5.600	2.650	2.100	4.704	537					
DV/ 325	3.430	2.163	1.200	3.665	554	4.580	2.235	1.500	4.815	537	5.600	2.650	2.100	5.135	537					
DV/ 375	3.430	2.163	1.200	3.800	554	4.580	2.235	1.500	4.950	537	5.600	2.650	2.100	5.270	537					
DV/ 410	3.430	2.163	1.200	3.505	554	4.580	2.235	1.500	4.655	537	5.600	2.650	2.100	4.975	537					
DV/ 460	3.810	2.380	1.250	4.475	964	5.500	2.435	1.550	5.945	964	6.550	2.900	2.180	6.245	964					
DV/ 500	3.810	2.380	1.250	4.475	964	5.500	2.435	1.550	5.945	964	6.550	2.900	2.180	6.245	964					

Measurements: mm Weight: kg



Supply options

Prime power:
Power available with variable load at an average of 80% of rated prime power. Overload of 10% is permitted 1 hour in every 12 hours operation

Standby power:
Power available at variable load for up to a maximum of 500 hours during one year during of which 300 hours may be for emergency use. No overload is permitted.

Environmental conditions:
Power data obtained for room temperature of 25°C, relative humidity 60% and pressure of 100kPa. Power may vary under different pressure, temperature or humidity conditions.

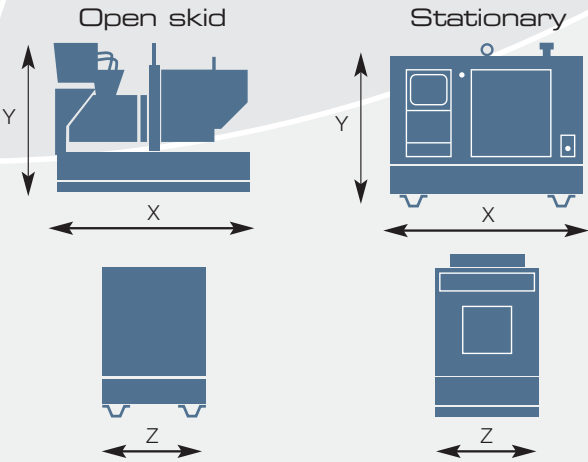
Electric panel:	Voltage:	
Key Start	3-phase	400/230 V
Automatic via signal, clock etc...		415/240 V
		415/208 V
Accessories:		380/220 V
Permanent magnet.		220/127 V
Sockets panel.		208/120 V
Diesel pump system.		
Residential silencers.	Single phase	240 V
Retention bath.		230 V
		220 V
For other accessories, please consult.		
Further information:		
Please consult technical data sheets.		

Cummins open skid

Model	Generator Set				Engine				Alternator	
	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model
	Prime	Emergencia	Prime	Emergencia						
DC 630	632	693	674	748	VTA 28 G5	12 V 40°	28.000	E	STAMFORD	HCI 544 F1
DC 800	801	877	911	1.017	QSK 23 G3	6L	23.150	GE	STAMFORD	HCI 634 G1
DC 1000	1.012	1.117	1.146	1.269	QST 30 G4	12 V 50°	30.480	GE	STAMFORD	HCI 634 J1
DC 1300	1.289	1.445	1.418	1.610	KTA 50 G3	16 V 60°	50.300	E	STAMFORD	PI734A1
DC 1400	1.402	1.676	1.514	1.718	KTA 50 G8	16 V 60°	50.300	E	STAMFORD	PI734B1
DC 1500	1.516	1.684	1.619	1.945	QSK 45 G6	12 V 60°	45.100	GE	STAMFORD	PI734C1

E: Electronic.
GE: Electronic engine management.

Weights, dimensions and fuel tank capacity



Cummins soundproofed

Model	Generator Set				Engine				Alternator		Noise Level¹	
	Output 50 Hz		Output 60 Hz		Model	No. cylinders and arrangement	Cylinder capacity	Type of regulation	Make	Model	Pressure dBA	LWA dBA output
	Prime	Standby	Prime	Standby								
DCS 630	632	693	674	748	VTA 28 G5	12 V 40°	28.000	E	STAMFORD	HCI 544 F1	77	105
DCS 800	801	877	911	1.017	QSK 23 G3	6L	23.150	GE	STAMFORD	HCI 634 G1	77	105
DCS 1000	1.012	1.117	1.146	1.269	QST 30 G4	12 V 50°	30.480	GE	STAMFORD	HCI 634 J1	75	103
DCS 1300*	1.289	1.445	1.418	1.610	KTA 50 G3	16 V 60°	50.300	E	STAMFORD	PI734A1	—	—
DCS 1400*	1.402	1.676	1.514	1.718	KTA 50 G8	16 V 60°	50.300	E	STAMFORD	PI734B1	—	—
DCS 1500*	1.516	1.684	1.619	1.945	QSK 45 G6	16 V 60°	45.100	GE	STAMFORD	PI734C1	—	—

¹ The EC regulation 200/14/EC does not specify a limit on the noise power output on units over 400KW; however it does specify that the manufacturer is obliged to indicate the noise level.
* Under study.

Model	Open skid					Stationary				
	X	Y	Z	Total Weight	Cap. Litres	X	Y	Z	Total Weight	Cap. Litres
DC/ 630	4.440	2.640	1.720	6.140	995	5.800	2.635	1.900	7.505	995
DC/ 800	4.440	2.640	1.720	6.013	995	5.800	2.635	1.900	7.378	995
DC/ 1000	4.600	2.630	1.910	7.498	—	Container ISO 20			14.000	1.342
DC/ 1300	5.400	2.750	1.830	10.460	—					
DC/ 1400	5.400	2.750	1.830	10.733	—					
DC/ 1500	5.400	2.750	1.830	11.054	—					

Measurements: mm Weight: kg



GESAN

Quality Driven Energy

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