

CATALOGUE GENERATORS

Diamond cable


generator



OUR **PROFILE**

Diamond Generator with its 20 years of experience, aims to be the best in quality and follows the latest technological developments throughout the world.

Diamond produces diesel, marine and natural gas consuming gen-sets from 10 kVA to 2500 kVA in its modern production facilities. Our sales and after sales activities are centrally operated from our headquarters in Istanbul and covering the rest of the territories by our regional representative offices.

Diamond is a major player within the gen-set industry in Turkey. As well as having large scale sales domestically, we also export our products to the Middle Eastern, North African, Eastern European and CIS Countries. The numbers of countries we export are increasing rapidly.

We assess the needs of our customers and execute turn-key projects accordingly. We evaluate each business as an independent project, design and produce it in the most economical and cost ensuring form which will have a long operating life.

In accordance with the requirements of each project; we provide the most optimal solutions regarding the medium tension generators, synchronization systems, remote display, remote radiator systems, special type sound absorbing cabin and containers.

In respect to our "**Quality First**" philosophy, we use remote displays, 20 dB(A) sound reduction exhaust systems as our standard features for our product groups.

We believe that we will achieve our goal to be one of the leading international brands in gen-set industry with our esteemed partners such as yourselves.

We are always in your service with our motto
"Life Goes On"

generator

Diamond cable

INNOVATED

We support the innovative and creative ideas to enhance the awareness and the quality of our brand.
We aim to manage and improve all processes with a learning organization consciousness and with the employee participation.

CUSTOMER ORIENTED

We establish long and lasting relationships with our customers with quality service during and after the sales.
We do our best to achieve maximum customer satisfaction.

SOCIALLY RESPONSIBLE

We thrive to maximize the gains of all our stakeholders through our Corporate Social Responsibility Program.
We aim to give back to the society.

TECHNOLOGIC

We are constantly working to achieve to our high standard targets by adopting the most advanced technologies in all of our processes and applications while to produce in the shortest time with the lowest cost, with the best quality.



QUALITY **POLICY**

We carry strict quality standards in our operations; our “Quality Management System” covers all of our activities.

ENVIRONMENTAL

- We are conscientious to the environmental issues right from the start to the end, aiming to leave a clean World to the next generations.
- Throughout all of our activities, we respect and obey all the legal environmental regulations.
- We protect and effectively use the natural sources.
- We try to reduce waste as much as possible and recycle them.
- We constantly raise the awareness of our employees with respect to the environmental issues and ensure them to be responsible individuals.
- We support the environmentally related activities and attend in such events.



generator





MEDIUM AND HIGH VOLTAGE
GENERATORS

Diamond is technically tuned for single or multi gen-set projects as well as seting up diesel power plants.





PARALLEL **OPERATION**

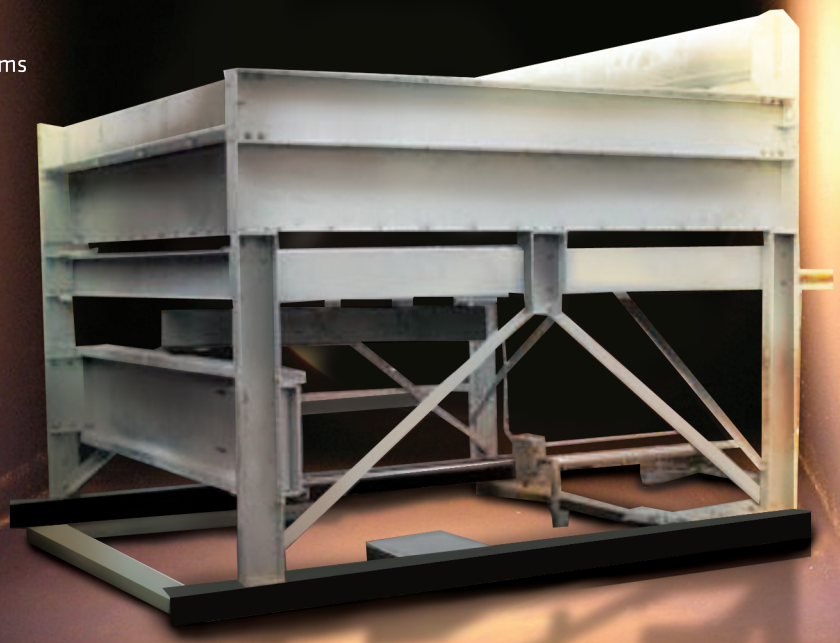
- Low operating cost
- Low initial setup cost
- Low maintenance cost
- Longer system life
- Flexible use
- Increased system reliability
- Service, spare part and maintenance benefits
- Earlier date of delivery

In order to reduce running and financial costs, efective and flexible use of several set of generators instead of single genset.

generator

REMOTE
RADIATOR

We suply Remote Radiator Cooling Systems
to provide sound proof operations
and to solve space and
temperature problems.



generator

REMOTE CONTROL& **MONITORING**



Remote monitoring and control system allows reading of all operating parameters and alarm information of generator sets without limitation of distance.

The state of art technology, ***Diamond*** digital control devices



Diamond cable

generator

SPECIAL CANOPY
(WITH CONTAINER TYPE)

- Compact structure
- Low height
- Low noise level
- Easy access to engine-alternator and control panel
- Exhaust silencer hidden in the cabin for security and to prevent rusting
- Ability to demount



generator



- SPECIAL EXHAUST SYSTEM WITH SOUND REDUCTION TO 20 dB(A)
- BEST ATTENUATION PERFORMANCE
- EXCELLENT QUALITY CANOPY WHICH IS SUITABLE FOR EXTREME WEATHER CONDITIONS
- ADVANCED ELECTRO STATIC POWDER COATING
- STANDARD REMOTE MONITORING
- SPECIAL DESIGN

generator

CONTROL
PANEL

NEW WEB BASED
500 D MODEL



AMF / ATS with uninterrupted transfer
- Remote start controller
- Manual start controller
- Engine controller
- Remote display & control unit
- Waveform display of V & I
- Harmonic analysis of V & I

STANDART EQUIPMENT

- Integrated Fuel Tank with different sizes
- Alternator with AVR, brushless
- Thermal magnetic switch
- Hour meter, Voltmeter, Ammeter, Frequency meter
- Battery,
- Emergency stop button
- Central lifting hook
- Base frame with lifting feet forklift compatible
- Closed base frame design

OPTIONAL EQUIPMENT

- Special desing canopy and fuel tank with different size
- Oiling oil (Pan) heater
- Control panel heater
- Intake air heater

COMMUNICATION

- Ethernet
- GSM-GPRS (internal modem / optional)
- Embedded web serve
- Web monitoring / programming
- GSM-SMS
- e-mail
- Free pc software
- Modbus RS-485
- Modbus over IP
- SNMP
- USB Host (optional)
- USB device
- RS-485
- RS-232
- Micro SD card slot (optional)
- J1939-CANBUS


CENTRAL MONITORING
CENTRAL MONITORING
EMBEDDED WEB SERVER
PC
E-MAIL
GSM
ETHERNET
USB DIVICE
RS 485 MOOBUS
GSM - SMS
RS 232
PLC
EXTERNAL MADEM
J 1939
SD CARD
USB HOST
REMOTE DISPLAY PANEL
ELECTRONIC ENGINE
MICRO SD MEMORY
USB FLASH MEMORY

generator

OUR SOLUTION
PARTNERS



PERKINS

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-P 10	PERKINS/403D-11G	E1X13SC/4	9	7,2	10	8	1550/1960	900/900	995/1380	455/650
SARK-P 15	PERKINS/403D-15G	E1X13ME/4	13	10,4	15	12	1550/1960	900/900	995/1380	504/700
SARK-P 22	PERKINS/404D-22G	SLT18MD	20	16	22	17,6	1550/1960	900/900	995/1380	540/870
SARK-P 33	PERKINS/1103A-33G	PRO18SC/4	30	24	33	26,4	1750/2190	1000/1000	1130/1450	724/1050
SARK-P 50	PERKINS/1103A-33TG1	PRO18ME/4	45	36	48	38,4	1750/2190	1000/1000	1130/1450	780/1105
SARK-P 70	PERKINS/1103A-33TG2	PRO18LG/4	60	48	67	53,6	1750/2190	1000/1000	1130/1450	900/1210
SARK-P 90	PERKINS/1104A-44TG2	PRO22SC/4	81	64,8	89	71,2	2150/2872	1100/1100	1210/1720	1000/1310
SARK-P 115	PERKINS/1104C-44TAG2	PRO22SD/4	102	81,2	112	89,6	2150/2872	1100/1100	1210/1720	960/1270
SARK-P 150	PERKINS/1106A-70TG1	PRO22MF/4	135	108	150	120	2650/3433	1100/1100	1476/1950	1300/1670
SARK-P 165	PERKINS/1106A-70TAG2	PRO22MF/4	150	120	165	132	2650/3433	1100/1100	1476/1950	1450/1820
SARK-P 200	PERKINS/1106A-70TAG3	PRO28SA/4	180	144	200	160	2650/3433	1100/1100	1476/1950	1550/1920
SARK-P 220	PERKINS/1106A-70TAG4	PRO28SB/4	200	160	220	176	2650/3433	1100/1100	1476/1950	1570/1940
SARK-P 255	PERKINS/1306C-E87TAG4	PRO28SC/4	225	180	250	200	2750/3635	1250/1250	1712/2100	1875/2520
SARK-P 275	PERKINS/1306C-E87TAG6	PRO28SD/4	250	200	275	220	2750/3635	1250/1250	1712/2100	1950/2590
SARK-P 330	PERKINS/1606A-E93TAG5	PRO28ME/4	300	240	330	264	3350/4255	1300/1300	1590/1980	2915/3510
SARK-P 400	PERKINS/2206A-E13TAG2	PRO28LG/4	350	280	400	320	3450/4356	1450/1450	1942/2500	2915/3767
SARK-P 450	PERKINS/2206A-E13TAG3	PRO28LG/4	400	320	450	360	3450/4356	1450/1450	1942/2500	2915/3767
SARK-P 500	PERKINS/2506A-E15TAG1	PRO35SB/4	450	360	500	400	3450/4356	1450/1450	1942/2500	3600/4840
SARK-P 550	PERKINS/2506A-E15TAG2	PRO35SC/4	500	400	550	440	3450/4356	1450/1450	1942/2500	3680/4920
SARK-P 660	PERKINS/2806A-E18TAG1A	PRO35ME/4	600	480	660	528	3650/4667	1640/1640	2205/2500	4330/5570
SARK-P 720	PERKINS/2806A-E18TAG2	PRO35MF/4	660	528	720	576	3650/4667	1640/1640	2205/2500	4350/5590
SARK-P 800	PERKINS/4006-23TAG2A	PRO35MG/4	725	580	795	636	4000/6080	1650/2470	2290/3300	5100/9100
SARK-P 825	PERKINS/4006-23TAG2A	PRO35LH/4	750	600	825	660	404/6078	1650/2470	2290/3300	5250/9250
SARK-P 900	PERKINS/4006-23TAG3A	PRO35LH/4	800	640	900	720	404/6078	1650/2470	2290/3300	5250/9250
SARK-P 1100	PERKINS/4008TAG2A	HCI 634J	1020	816	1100	880	4500/6078	2050/2470	2580/3500	7585/12220
SARK-P 1375	PERKINS/4012-46TWG2A	PI 734B	1250	1000	1380	1104	4800/9150	1880/2470	2350/3700	9300/1700
SARK-P 1650	PERKINS/4012-46TAG2A	PI 734C	1506	1204	1650	1320	5060/9150	2260/2470	2420/3950	10300/17800
SARK-P 1900	PERKINS/4012-46TAG3A	PI 734E	1710	1368	1875	1500	5060/9150	2260/2470	2420/3950	11150/ TBA
SARK-P 2000	PERKINS/4016-61TRG1	PI 734E	1850	1480	2000	1600	6200/12220	2250/2470	2750/3950	13500/ TBA
SARK-P 2250	PERKINS/4016-61TRG2	PI 734F	2015	1612	2250	1800	6200/12220	2250/2470	2750/3950	14100/ TBA
SARK-P 2500	PERKINS/4016-61TRG3	LVSI 804R	2250	1800	2500	2000	6200/12220	2250/2470	2750/3950	TBA

VOLVO

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-V 110	VOLVO-TAD531GE	PRO22SD/4	100	80	110	88	2150/2872	1100/1100	1365/1720	1137/1447
SARK-V 145	VOLVO-TAD532GE	PRO22ME/4	130	104	145	116	2650/3433	1100/1100	1476/1950	1212/1522
SARK-V 170	VOLVO-TAD731GE	PRO22MF/4	155	124	170	136	2650/3433	1100/1100	1476/1950	1514/1888
SARK-V 200	VOLVO-TAD732GE	PRO28SA/4	180	144	200	160	2750/3635	1250/1250	1677/2100	1685/2330
SARK-V 220	VOLVO-TAD733GE	PRO28SB/4	200	160	220	176	2750/3635	1250/1250	1677/2100	1720/2370
SARK-V 275	VOLVO-TAD734GE	PRO28SD/4	250	200	275	220	2750/3635	1250/1250	1677/2100	1809/2456
SARK-V 350	VOLVO-TAD1341GE	PRO28ME/4	320	256	350	280	3350/4255	1300/1300	1730/1980	2795/3395
SARK-V 375	VOLVO-TAD1342GE	PRO28MF/4	350	280	375	300	3350/4255	1300/1300	1730/1980	2910/3510
SARK-V 420	VOLVO-TAD1343GE	PRO28LG/4	380	304	417	333	3350/4255	1300/1300	1730/1980	3022/3622
SARK-V 450	VOLVO-TAD1344GE	PRO28LG/4	410	328	450	360	3350/4255	1300/1300	1730/1980	3022/3622
SARK-V 500	VOLVO-TAD1345GE	PRO35SB/4	450	360	500	400	3450/4356	1450/1450	1783/2500	3290/4205
SARK-V 560	VOLVO-TAD1641GE	PRO35SC/4	500	400	560	448	3450/4356	1450/1450	2090/2500	3690/4605
SARK-V 660	VOLVO-TAD1642GE	PRO35ME/4	600	480,3	660	528	3650/4667	1640/1640	2092/2500	4065/4986
SARK-V 710	VOLVO-TWD1643GE	PRO35MF/4	640	512	710	568	3650/4667	1640/1640	2110/2500	4405/5325

MITSUBISHI

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-M 8	L3E 61SD-NP2	E1X13S C/4	7,2	5,7	7,9	6,3	1550/1960	900/900	990/1380	504/698
SARK-M 12	S3L2 61SD-NP2	E1X13ME/4	10,5	8,4	11,4	9,2	1550/1960	900/900	990/1380	504/698
SARK-M 16	S4L2 61SD-NP2	E1X13MF/4	14,5	11,6	15,9	12,7	1550/1960	900/900	990/1380	504/698
SARK-M 25	S4Q2 61SD	PRO18SA/4	22	17,6	24,4	19,5	1750/2190	1000/1000	1110/1450	540/865
SARK-M 35	S4S 61SD	PRO18SC/4	30	24	34,3	27,4	1750/2190	1000/1000	1110/1450	724/1030
SARK-M 46	S4S DT61SD	PRO18 ME/4	40,7	32,5	45,6	36,5	1750/2190	1000/1000	1110/1450	780/1105
SARK-M 1450	S12R-PTA	PI 734B	1300	1040	1413	1130	4550/6060	2000/2440	2400/2900	9250/1515
SARK-M 1550	S12R-PTA2	PI 734B	1387	1110	1526	1220	4550/6060	2000/2440	2400/2900	9400/15500
SARK-M 1670	S12R-PTAA2	PI 734C	1500	1200	1650	1320	4550/6060	2000/2440	2400/2900	9950/16100
SARK-M 1700	S12R-F1PTAW2	PI 734C	1546	1237	1701	1361	4550/6060	2000/2440	2400/2900	10100/16650
SARK-M 1900	S16R-PTA	PI 734E	1716	1373	1888	1510	5100/12190	2250/2440	2650/2900	TBA
SARK-M 2100	S16R-PTA2	PI 734E	1880	1503	2066	1653	5100/12190	2250/2440	2650/2900	TBA
SARK-M 2250	S16R-PTAA2	PI 734F	2015	1612	2250	1800	5900/12190	2250/2440	2750/2900	18950/23800
SARK-M 2300	S16R-PTAW2	PI 734F	2015	1612	2276	1820	6670/12190	2300/2440	2750/2900	TBA
SARK-M 2500	S16R-PTAW2	PI 734F	2272	1818	2501	2000	6670/12190	2300/2440	2750/2900	TBA

DEUTZ

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-D 35	TD226B - 3D	PRO18SC/4	30	24	35	28	2150/2872	1100/1100	1315/1720	1018/1500
SARK-D 55	TD226B - 3D	PRO18LF/4	50	40	55	44	2150/2872	1100/1100	1315/1720	1018/1500
SARK-D 75	WP4D 66E200	PRO22SA/4	68	54,5	75	60	2150/2872	1100/1100	1315/1720	1180/1595
SARK-D 115	WP4D100E200	PRO22SD/4	100	80	115	92	2150/2872	1100/1100	1365/1720	1300/1760
SARK-D 155	WP6D132E200	PRO22MF/4	139	111	153	122,4	2150/2872	1100/1100	1365/1720	1420/1875
SARK-D 170	WP6D152E200	PRO22MF/4	155	124	170	136	2650/3433	1100/1100	1525/1950	1715/2430
SARK-D 265	BF6M1015-LAGA	PRO28SC/4	240	192	265	212	3350/4255	1550/1550	1915/2140	2425/3300
SARK-D 300	BF6M1015C-LAG1A	PRO28SD/4	264	211	290	232	3350/4255	1550/1550	1915/2140	2490/3370
SARK-D 330	BF6M1015C-LAG2A	PRO28ME/4	297	238	331	265	3350/4255	1550/1550	1915/2140	2590/3470
SARK-D 370	BF6M1015C-LAG3A	PRO28MF/4	330	264	368	294	3350/4255	1550/1550	1915/2140	2705/3585
SARK-D 405	BF6M1015C-LAG4	PRO28LG/4	363	290	405	324	3350/4255	1550/1550	1915/2140	2790/3670
SARK-D 450	BF6M1015CP-LAG	PRO28LG/4	385	308	428	342,4	3350/4255	1550/1550	1915/2140	2790/3670
SARK-D 500	BF8M1015CP-LAG1A	PRO35SB/4	460	368	496	397	3650/4667	1640/1640	2085/2500	3450/4510
SARK-D 550	BF8M1015CP-LAG1A	PRO35SC/4	490	392	545	436	3650/4667	1640/1640	2085/2500	3450/4510
SARK-D 590	BF8M1015CP-LAG2	PRO35SD/4	532	425	582	465	3650/4667	1640/1640	2085/2500	3530/4590
SARK-D 605	BF8M1015CP-LAG3	PRO35SD/4	544	435	605	484	3650/4667	1640/1640	2085/2500	3680/4720
SARK-D 630	BF8M1015CP-LAG4	PRO35ME/4	570	456	629	503,2	3650/4667	1640/1640	2085/2500	3680/4720
SARK-D 700	BF8M1015CP-LAG5	PRO35ME/4	600	480	662	529,6	3650/4667	1640/1640	2085/2500	3700/4740
SARK-D 850	HC12V132ZL	PRO35LH/4	775	620	850	680	3850/4837	1640/1640	2085/2600	TBA

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-S 50	SC4H95D2	PRO18ME/4	45	36	48	38,4	2150/2872	1100/1100	1315/1720	1018/1500
SARK-S 55	SC4H95D2	PRO18LF/4	50	40	55	44	2150/2872	1100/1100	1315/1720	1116/1536
SARK-S 66	SC4H95D2	PRO18LG/4	60	48	66	52,8	2150/2872	1100/1100	1315/1720	1150/1570
SARK-S 80	SC4H95D2	PRO22SA/4	70	56	77	61,6	2150/2872	1100/1100	1315/1720	1180/1595
SARK-S 100	SC4H115D2	PRO22SC/4	88	70,4	97	77,6	2150/2872	1100/1100	1315/1720	1250/1660
SARK-S 115	SC4H160D2	PRO22SD/4	100	80	115	92	2150/2872	1100/1100	1365/1720	1300/1760
SARK-S 135	SC4H160D2	PRO22ME/4	121	96,8	135	108	2150/2872	1100/1100	1365/1720	1380/1835
SARK-S 155	SC4H180D2	PRO22MF/4	139	111,2	153	122,4	2150/2872	1100/1100	1365/1720	1420/1875
SARK-S 170	SC7H230D2	PRO22MF/4	154	123,2	170	136	2650/3433	1100/1100	1525/1950	1715/2430
SARK-S 200	SC7H230D2	PRO28SA/4	177	141,6	196	156,8	2650/3433	1100/1100	1545/1950	1840/2530
SARK-S 235	SC9D280D	PRO28SC/4	213	170,4	235	188	2650/3433	1100/1100	1505/1950	2035/2750
SARK-S 300	SC9D340D2	PRO28SD/4	264	211,2	290	232	2750/3635	1250/1250	1713/2100	2100/2820
SARK-S 360	SC13G420D2	PRO28ME/4	328	262,4	360	288	3350/4255	1550/1550	1915/2140	3140/3990
SARK-S 425	SC15G500D2	PRO28LG/4	387	309,6	425	340	3450/4356	1450/1450	1940/2500	3350/4150
SARK-S 500	SC25G610D2	PRO35SB/4	450	360	500	400	3650/4667	1640/1640	2085/2500	4130/5130
SARK-S 550	SC25G690D2	PRO35SC/4	500	400	550	440	3650/4667	1640/1640	2085/2500	4108/5208
SARK-S 660	SC27G755D2	PRO35ME/4	600	480	660	528	3650/4667	1640/1640	2085/2500	4440/5440
SARK-S 725	SC27G830D2	PRO35MF/4	650	520	715	572	3650/4670	1640/1640	2090/2500	4540/5540

WEIGHT

GENERATING SETS							OPEN/SOUND PROOFED TYPE			
Gen-Set Model	Diesel Engine Model	Generator Model	*Prime		**Standby		Length [mm]	Width [mm]	Height [mm]	Dry [kg]
			kVA	kW	kVA	kW				
SARK-W 18	WP 2,1D18E2	E1X13MF/4	16	12,8	18	14,4	1550/1960	900/900	995/1380	540/770
SARK-W 22	WP 2,1D18E2	PRO18SA/4	19	15,2	21	16,8	1550/1960	900/900	975/1380	565/795
SARK-W 30	WP 2,5D22E2	PRO18SB/4	23	14,8	26	20,8	1550/1960	900/900	1060/1380	590/820
SARK-W 35	WP 3,9D33E2	PRO18SC/4	30	24	34	27,2	1750/2190	1000/1000	1120/1450	775/1080
SARK-W 45	WP 3,9D33E2	PRO18ME/4	38	30,4	42	33,6	1750/2190	1000/1000	1120/1450	825/1115
SARK-W 50	WP 4,3D38E2	PRO18ME/4	42	33,6	47	37,6	1750/2190	1000/1000	1120/1450	835/1135
SARK-W 65	WP 4,1D50E2	PRO18LG/4	55	44	62	49,6	2150/2872	1100/1100	1150/1720	960/1315

Life Goes On...

Distributor

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