STRIVE TO BECOME THE MOST CUSTOMER SATISFACTION, PREFERRED
AND COMFORTABLE BRAND IN THE GLOBAL ELECTRIC GENERATOR INDUSTRY

Panda Power

PRODUCT SELECTION MANUAL

A DIESEL GENERATOR LEADER TO MAKE YOUR LIFE EASIER

JIANGSU PANDA POWER TECHNOLOGY CO. , LTD.

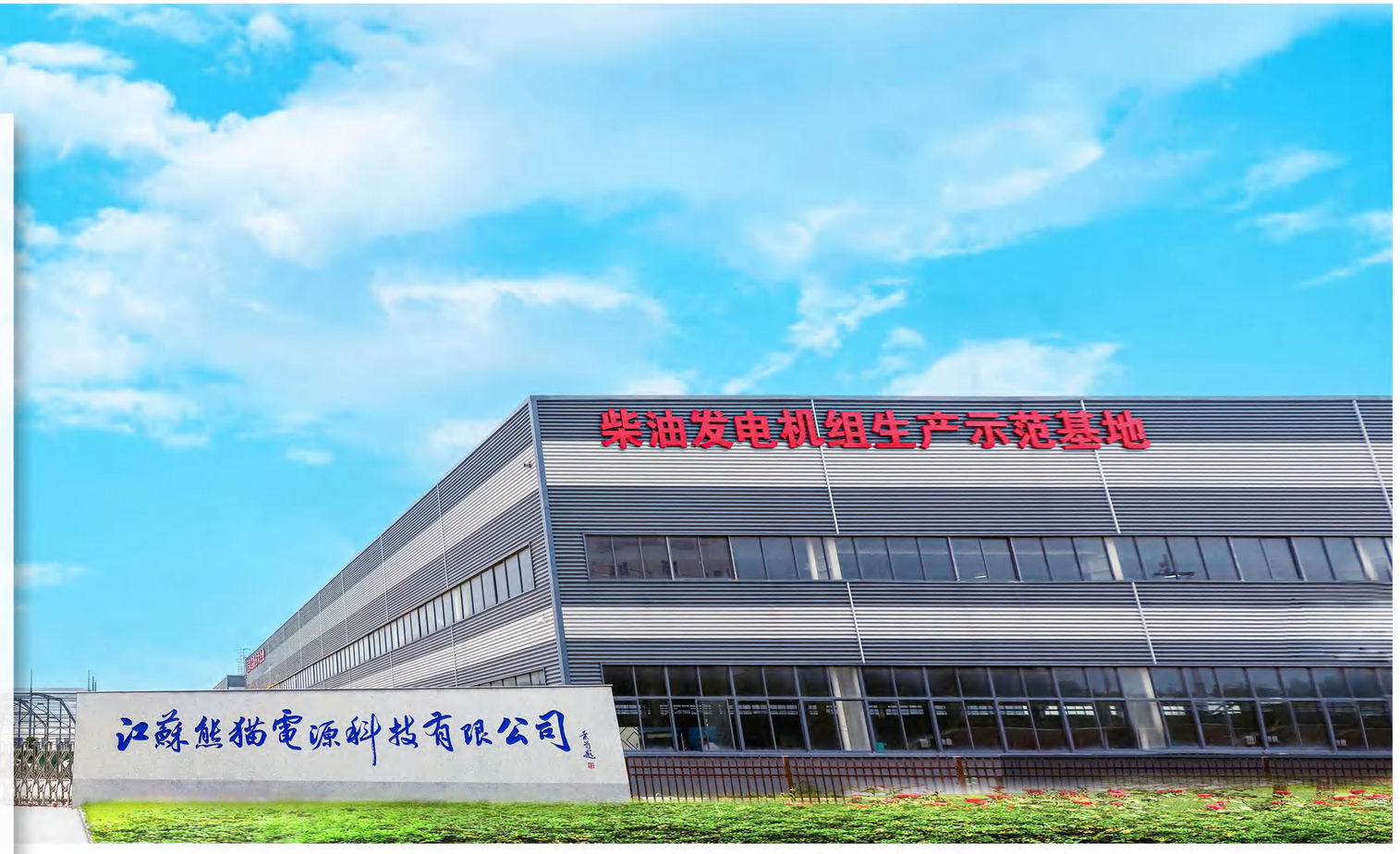
SHELDON
MANAGER OF NATIONAL TRADE DEPARTMENT
JIANGSU PANDA POWER TECHNOLOGY CO., LTD.
EMAIL: SHELDON@PANDA-JS-POWER.COM
WHATSAPP: +8618652820024
TEL/WECHAT: +8618051053536
ADDRESS: NO.9 FUXI ROAD, HANJIANG DISTRICT, JIANGSU PROVINCE , CHINA

LEADING INDUSTRY FOR 30 YEARS

THE NEW PLANT OF JIANGSU PANDA POWER TECHNOLOGY CO. , LTD. COVERS AN AREA OF 70,000 SQUARE METERS, WITH 2 PROFESSORS, 6 SENIOR TECHNICIANS AND 56 PROFESSIONAL TECHNICIANS THE AVERAGE ANNUAL OUTPUT VALUE IS ABOUT 400 MILLION YUAN; FIXED ASSETS: OVER 300 MILLION YUAN.

PANDA POWER IS THE AGENT AND OEM OF THE DIESEL ENGINES OF SUCH FAMOUS BRANDS AS SHANGCHAI, YUCHAI, WEICHAI POWER, VOLVO (CHINA) , MERCEDES-BENZ (CHINA) , CHONGQING CUMMINS, DONGFENG CUMMINS, ETC. , PANDA POWER HAS MORE THAN 10 INVENTION PATENTS.

PANDA POWER IS A REGISTERED SUPPLIER OF CHINA ELECTRIC POWER, PETROCHEMICAL, RAILWAY SYSTEM AND CHINA TELECOM, AND HAS ESTABLISHED LONG-TERM PARTNERSHIP WITH CENTRAL RESERVE GRAIN, CHINA RESEARCH INSTITUTE AND STATE-OWNED ENTERPRISES.



ABOUT US

1993

THE PREDECESSOR OF PANDA POWER, 'JIANGDU ELECTRIC MACHINE FACTORY' , WAS SET UP IN JIANGDU DISTRICT, YANGZHOU. WITH THE EFFORTS OF ALL THE STAFF, THE TRIAL RUN OF PANDA NO. 1 MOTOR WAS SUCCESSFULLY COMPLETED AND DELIVERED.

1998

THE PANDA DIESEL GENERATOR TEAM SUCCEEDED IN ITS TRIAL PRODUCTION, AND IN THE SAME YEAR, OUR COUNTRY EXPERIENCED THE WORST FLOOD IN A CENTURY. THE COMPANY PARTICIPATED IN THE FLOOD RESCUE. WITH THE VARIOUS PROFESSIONAL TEAMS, CIVIL RESCUE TEAMS AND VOLUNTEERS AND OTHER FORCES CONSPIRED TOGETHER, UNITED, LAUNCHED A HEROIC AND TENACIOUS STRUGGLE.

2003

THE COMPANY WITH EXCELLENT PRODUCT QUALITY AND PIONEERING SPIRIT, AND ACCESS TO YUCHAI, WEICHAI POWER, SHANGCHAI, DONGFENG CUMMINS'S OEM LICENSE.

2008

AS A LEADING POWER SOLUTIONS PROVIDER, PANDA POWER HELPS THE OLYMPIC CONSTRUCTION, PROVIDING EFFICIENT AND STABLE POWER SUPPORT FOR CONSTRUCTION AND OPERATION. MAKE EVERY WONDERFUL OLYMPIC MOMENT TO SHINE!

2012

WITH ORDERS POURING IN FROM ALL OVER THE WORLD, THE NEW 30,000-SQUARE-FOOT PLANT IN YIZHENG WAS COMPLETED AND OFFICIALLY RENAMED “JIANGSU PANDA POWER TECHNOLOGY CO. , LTD.” AND BEGAN TO SET UP AFTER-SALES SERVICE OUTLETS AROUND THE WORLD.

2018

AFTER MORE THAN 2 YEARS OF TEAM DEVELOPMENT EXPERIMENTS PANDA SERIES INTELLIGENT CORE CONTROL MODULE RESEARCH AND DEVELOPMENT SUCCESS. IT INTEGRATES MANY FUNCTIONS, SIMPLIFIES THE COMPLICATED OPERATION STEPS, AND MAKES THE CONTROL OF THE DIESEL GENERATOR MORE CONVENIENT AND ACCURATE.

2022

THE DIESEL GENERATOR INNOVATION EXPERIMENTAL CENTRE HAS BEEN OPENED WITH AN AREA OF 70,000 M2 AND AN ANNUAL PRODUCTION CAPACITY OF 4,000 UNITS. BECOME THE INDUSTRY'S LEADING LARGE-SCALE MODERN ENTERPRISES AND CONTINUE TO PROVIDE CUSTOMERS WITH THE PRODUCTION AND CONSTRUCTION OF SAFE AND EFFICIENT POWER SECURITY.

DIESEL GENERATOR PRODUCTION DEMONSTRATION BASE

AREA
7
FACTORY AREA
70000㎡

PRODUCE
4
ANNUAL PRODUCTION CAPACITY
4000台

ASSEMBLE
2
ASSEMBLY SHOP
20000㎡

DETECTION
5
TESTING WORKSHOP
5000㎡

PAINTING
4
PAINTING WORKSHOP
4000㎡

WAREHOUSE
2
WAREHOUSE
20000㎡

THE INHERITANCE OF GERMAN EXQUISITE TECHNOLOGY

A MORE DIESEL GENERATOR LEADER

THE PRODUCTION OF DIESEL GENERATOR IS A COMPLICATED AND DELICATE PROCESS, WHICH NEEDS TO GO THROUGH MANY STEPS OF OPERATION AND CONTROL. ONLY THROUGH STRICT QUALITY CONTROL AND FINE PROCESS FLOW CAN WE PRODUCE STABLE AND RELIABLE DIESEL GENERATOR WITH EXCELLENT PERFORMANCE.

CUSTOM DESIGN

ACCORDING TO CUSTOMER'S NEEDS AND REQUIREMENTS, CARRY OUT SPECIAL DESIGN AND PRODUCTION. DURING THE DESIGN PROCESS, THE ENGINEER COMMUNICATES WITH THE CUSTOMER TO UNDERSTAND THE CUSTOMER'S NEEDS, GOALS, BUDGET AND SCHEDULE, AND THEN DESIGNS, BUILDS, TESTS AND OPTIMIZES BASED ON THIS INFORMATION.

ELECTRIC GENERATOR ASSEMBLY

ACCORDING TO THE DESIGN DRAWINGS AND TECHNICAL REQUIREMENTS, THE ENGINE, GENERATOR, CONTROL EQUIPMENT AND OTHER PARTS, IN ACCORDANCE WITH A CERTAIN ORDER AND STEPS, THE COMPONENTS WILL BE ASSEMBLED ONE BY ONE TOGETHER. IN THE ASSEMBLY PROCESS, PAY ATTENTION TO THE PARTS POSITIONING AND FIXATION, ENSURE THAT ITS POSITION IS CORRECT, FIRM, IN ORDER TO AVOID LOOSE OR FALL OFF THE SITUATION.

QUALITY INSPECTION

PRIOR TO QUALITY TESTING, WE NEED TO CAREFULLY PREPARE TESTING EQUIPMENT, TOOLS AND RELATED TECHNICAL DOCUMENTS TO ENSURE THE SMOOTH CONDUCT OF TESTING. NEED TO BE IN ACCORDANCE WITH THE PROVISIONS OF THE TESTING PROCESS AND TESTING ITEMS FOR TESTING, NOT MISSED OR WRONG DETECTION. TEST RESULTS SHOULD BE ACCURATE, OBJECTIVE, COMPLETE, AND TIMELY RECORD AND COLLATION FOR SUBSEQUENT EVALUATION AND ANALYSIS.

PRODUCTIVE PROCESS

CORPORATE HONOR

CORPORATE HONOR


证书编号：18521Q1160R1S

质量管理体系认证证书

兹证明：

江苏熊猫电源科技有限公司

统一社会信用代码：91321081MA1TDPRL89

质量管理体系符合：

GB/T19001-2016 idt ISO9001:2015 标准

证书覆盖范围：

应急电源（柴油发电机组）的生产

注册地址/审核地址：仅证准经济开发区科顺二路 88 号-1、-2

发证日期：2021 年 11 月 22 日
有效期至：2024 年 09 月 27 日

证书签发人

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C185-M

证书专用章

证书有效性以石衡二维码扫描内容为准
本证书信息可在国家认证认可监督管理委员会官方网站www.cnca.gov.cn查询
中标联合（北京）认证有限公司网址：www.ccmsi.cn

中标联合（北京）认证有限公司

中国，北京，朝阳区北苑路170号6号楼6层01（100101）

NO:IZ


证书编号：18521E11086R1S

环境管理体系认证证书

兹证明：

江苏熊猫电源科技有限公司

统一社会信用代码：91321081MA1TDPRL89

环境管理体系符合：

GB/T24001-2016 idt ISO14001:2015 标准

证书覆盖范围：

应急电源（柴油发电机组）的生产及相关管理活动

注册地址/审核地址：仅证准经济开发区科顺二路 88 号-1、-2

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中标联合（北京）认证有限公司

中国，北京，朝阳区北苑路170号6号楼6层01（100101）

NO:IZ

证书编号：18521S1101SR1S

职业健康安全管理体系认证证书

兹证明：

江苏熊猫电源科技有限公司

统一社会信用代码：91321081MA1TDPRL89

职业健康安全管理体系符合：

GB/T45001-2020 idt ISO45001:2018 标准

证书覆盖范围：

应急电源（柴油发电机组）的生产及相关管理活动

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中标联合（北京）认证有限公司

中国，北京，朝阳区北苑路170号6号楼6层01（100101）

NO:IZ

UDEM

CERTIFICATE

ATTESTATION
CERTIFICATE OF MACHINERY DIRECTIVE

Technical file of the company mentioned below has been observed 2006/42/EC Machinery Directive has been taken as references for these processes

Company Name : Jiangsu Panda Power Technology Co., Ltd

Company Address : No. 9, Fuxi Road, Yongzhou Hi Tech Industrial Development Zone, China

Related Directives and Annex : Machinery Directive 2006/42/EC

Related Standards : EN 12100:2010; EN ISO 8528-13:2016; EN 60204-1:2018

Product Name : Diesel generator set

Report No and Date : EAS1032220E0M

Product Brand/Model/Type : XM 10~2400KW

Certificate Number : M.2022.206.C78234
Initial Assesment Date : 13.10.2022
Registration Date : 14.10.2022
Reissue Date/No :
Expiry Date : 13.10.2027

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

The validity of the certificate can be checked. Through www.udem.com.tr/tr/. The CE mark shown on the right side of the label is in accordance with the CE Directive. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. for whom it must be returned upon request. The above-mentioned company is entitled to use this certificate as long as the conditions for maintaining the validity of the certificate are met. The product(s) that affixed above kind of(s)CE must be notified in case of any changes on the product(s).

Address: Mustafakemal Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE
Phone: +90 (312) 440 03 90 Fax: +90 (312) 440 03 76
E-mail: info@udemtrkl.com.tr www.udem.com.tr


实用新型专利证书


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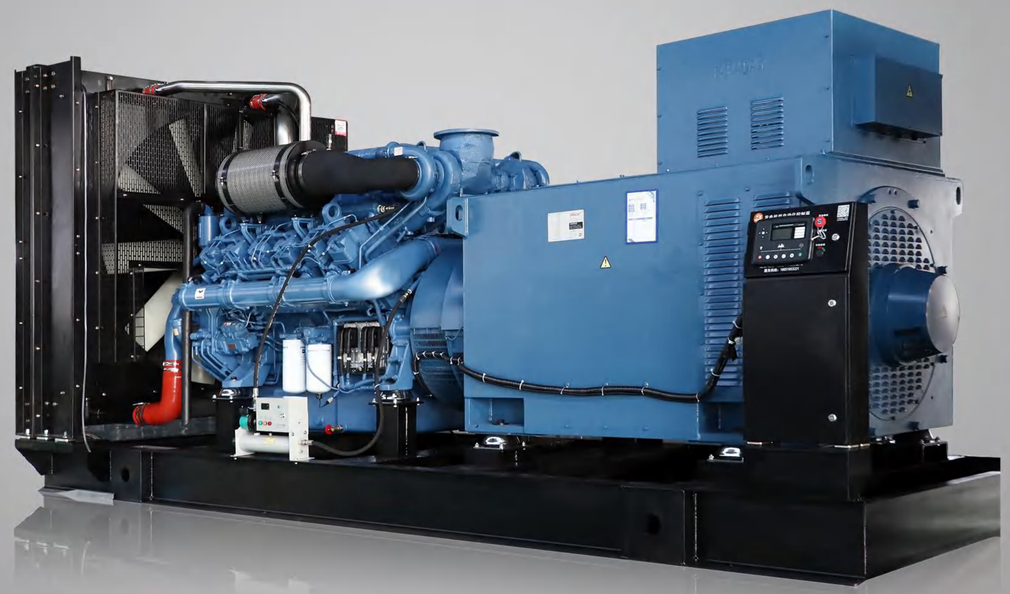
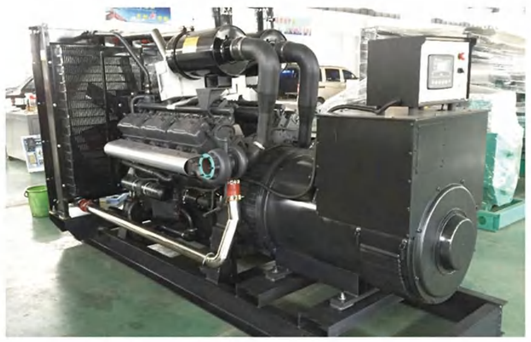


PANDA/PANDA DIESEL ENGINE SERIES

SERIES DIESEL GENERATING SET



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—Z11	3	Common rail	10	11	HC—11G3	3	105*127	3.3	7.1	70	7.9	1465*650*1240	668
XM—Z26	3	Common rail	24	26	HC—26G3	4	100*115	3.61	6	18	13	1600*590*1250	720
XM—Z45	3	Common rail	40	45	HC—45G3	4	105*115	3.87	10.56	20	14	1860*700*1300	800
XM—Z66	3	Common rail	60	66	HC—66G3	4	105*115	3.87	11.56	20	14	1860*700*1300	800
XM—Z88	3	Electronic Control	80	88	HC—88G3	6	105*125	6.49	19.8	35	19	2350*730*1300	1050
XM—Z100	3	Electronic Control	90	100	HC—100G3	6	105*130	6.75	24.5	38	20	2350*750*1300	1150
XM—Z150	3	Common rail	136	150	HC—150G3	6	105*130	7.15	26.3	38	22	2400*750*1300	1250
XM—Z176	3	Electronic Control	160	176	HC—176G3	6	110*130	8.3	39.6	45	25	2450*780*1300	1380
XM—Z220	3	Electronic Control	200	220	HC—220G3	6	135*150	12.88	52.4	82	27	3000*960*1565	2090
XM—Z275	3	Electronic Control	250	275	HC—275G3	6	135*150	12.88	66.7	90	26	3100*1380*1780	2450
XM—Z330	3	Common rail	300	330	HC—330G3	6	135*165	14.16	78.7	92	28	3130*1380*1800	2750
XM—Z450	3	Common rail	400	450	HC—450G3	12	135*155	26.6	116.3	105	65	3475*1490*2030	3700
XM—Z500	3	Common rail	450	500	HC—500G3	12	135*155	26.6	127.9	120	65	3600*1600*2100	3890
XM—Z550	3	Common rail	500	550	HC—550G3	12	135*155	26.6	135	125	35	3850*1600*2200	4400
XM—Z620	3	Common rail	560	620	HC—620G3	12	135*155	28.7	144	125	44	3895*1650*2200	4500
XM—Z660	3	Electronic Control	600	660	HC—660G3	12	128*142	29.6	158	140	52	3950*1740*2165	4700
XM—Z704	3	Common rail	640	704	HC—704G3	12	128*142	29.6	160	145	55	4020*1800*2300	4900
XM—Z800	3	Electronic Control	720	800	HC—800G3	12	128*142	30.15	185	158	72	4120*1850*2300	5120
XM—Z900	3	Electronic Control	800	900	HC—900G3	12	138*165	33.8	210	170	78	4300*1950*2300	5800
XM—Z1000	3	Electronic Control	900	1000	HC—1000G3	12	138*165	33.8	237	180	85	4400*1950*2300	6200
XM—Z1100	3	Electronic Control	1000	1100	HC—1100G3	12	170*195	35.4	251.58	70	160	5400*2210*2800	8257
XM—Z1320	3	Electronic Control	1200	1320	HC—1320G3	12	170*195	53.1	301.73	100	180	5400*2210*2800	10559
XM—Z1600	3	Electronic Control	1500	1600	HC—1600G3	12	170*195	53.1	376.97	100	180	5600*2210*2930	12180
XM—Z1760	3	Electronic Control	1600	1760	HC—1760G3	12	170*195	53.1	376.97	100	180	6100*2620*2980	13303
XM—Z2000	3	Electronic Control	1800	2000	HC—2000G3	16	170*195	70.8	453.17	140	240	6300*2620*2980	14227
XM—Z2200	3	Electronic Control	2000	2200	HC—2200G3	16	170*195	70.8	503.02	140	240	7000*2620*3390	17402
XM—Z2400	3	Electronic Control	2200	2400	HC—2400G3	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—Z2600	3	Electronic Control	2400	2640	HC—2600G3	20	170*195	88.5	554.85	200	300	8300*3470*3850	22128
XM—Z3000	3	Electronic Control	2700	3000	HC—3000G3	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318
XM—Z3300	3	Common rail	3000	3300	HC—3300G3	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318

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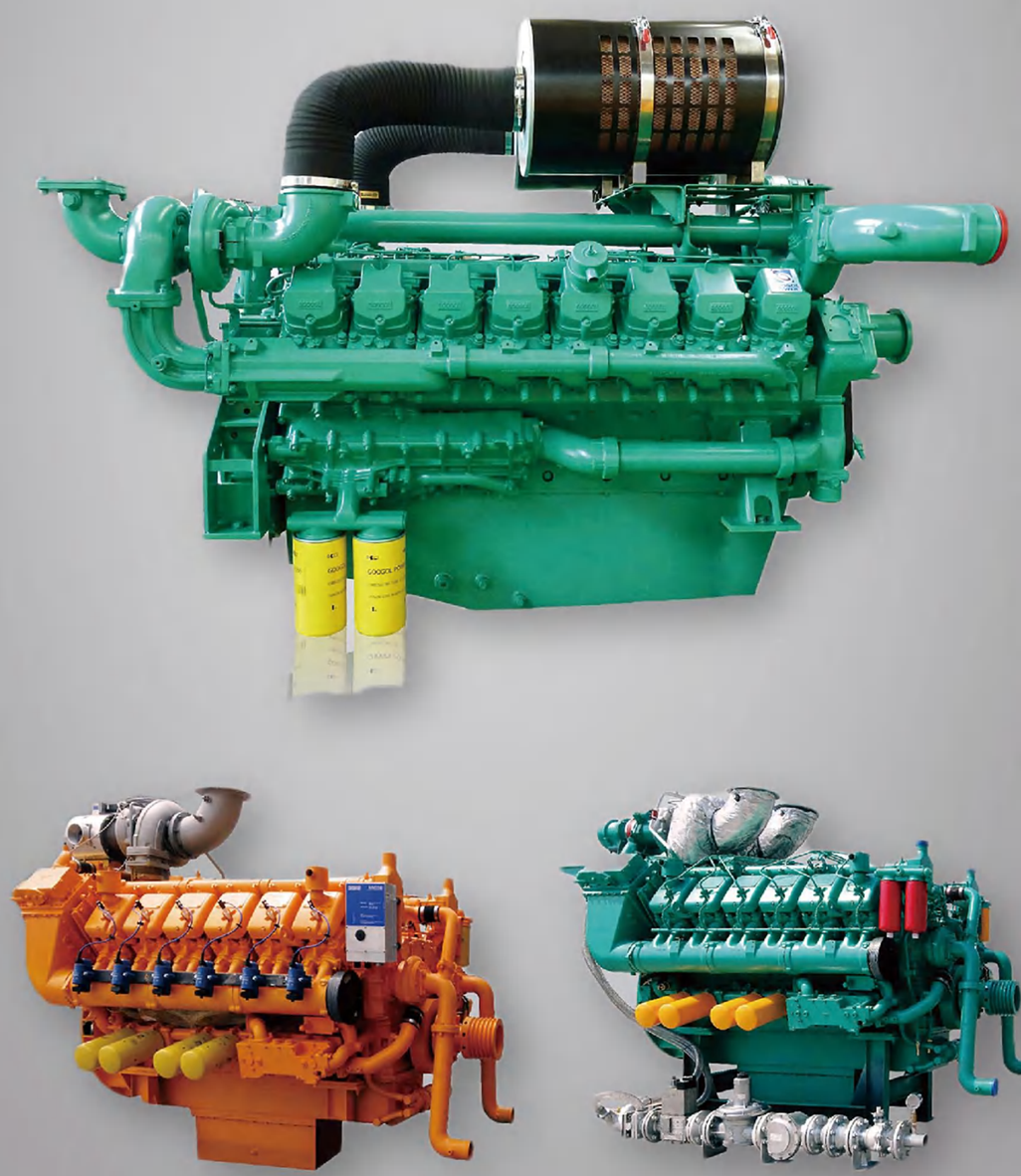
PANDA/GOOGOL

Chongqing Googol Engine-Tech Co. , Ltd. , formerly known as Chongqing Koch Engine-Tech Co. , was founded in 2003 and registered in 2006. In the Greater China of Hong Kong.

SERIES DIESEL GENERATING SET



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—K440	3	Electronic Control	400	440	PTAA6L—EG490	8	128142	14.6	112.86	20	28	2900*1400*2080	3000
XM—K500	3	Electronic Control	450	500	PTAA8V—EG575	10	128*142	18.3	129.61	21	34	3200*1400*2080	3400
XM—K550	3	Electronic Control	500	550	PTAA8V—EG620	10	1284142	18.3	143.85	21	34	3200*1400*2080	3575
XM—K620	3	Electronic Control	560	620	PTAA10V—EG690	12	128*142	21.9	152.14	23	36	3700*1400*2080	4110
XM—K660	3	Electronic Control	600	660	PTAA10V—EG740	12	128*142	21.9	162.39	23	36	3700*1400*2080	4200
XM—K704	3	Electronic Control	640	704	PTAA12V—EG815	16	128*142	29.2	169.79	32	48	4400*2140*2320	5590
XM—K800	3	Electronic Control	720	800	PTAA12V—EG900	16	128*142	29.2	190.25	32	48	4500*2140*2320	5850
XM—K880	3	Electronic Control	800	880	HTAA32—EG5	16	128*142	29.2	207.77	32	48	4600*2140*2320	6201
XM—K1000	3	Electronic Control	900	1000	PTAA16V—EG1120	8	1704195	35.4	223.37	70	160	4900*1920*2350	8257
XM—K1100	3	Electronic Control	1000	1100	HTAA40—EG3	8	170*195	35.4	252.38	70	160	4900*1920*2580	8257
XM—K1100	3	Electronic Control	1000	1100	QTA8V—EG1230D	8	170*195	35.4	251.58	70	160	5400*2210*2800	8257
XM—K1200	3	Electronic Control	1100	1200	PTAA20V—EG1345	8	170*195	35.4	223.37	70	160	4900*1920*2350	8257
XM—K1200	3	Electronic Control	1100	1200	QTA8V—EG1350D	8	170*195	35.4	223.37	70	160	4900*1920*2350	8257
XM—K1320	3	Electronic Control	1200	1320	PTAA20V—EG1480	12	170*195	53.1	301.73	100	180	5400*2210*2800	10559
XM—K1320	3	Electronic Control	1200	1320	QTA8V—EG1490	12	1701*95	53.1	301.73	100	180	5400*2210*2800	10559
XM—K1500	3	Electronic Control	1350	1500	QTA10V—EG1670D	12	170*195	53.1	339.16	100	180	5400*2210*2800	10951
XM—K1650	3	Electronic Control	1500	1650	QTA10V—EG1850	12	170*195	53.1	376.97	100	180	5600*2210*2930	12180
XM—K1760	3	Electronic Control	1600	1760	QTA12V—EG1960D	12	170*195	53.1	376.97	100	180	6100*2620*2980	13303
XM—K1800	3	Electronic Control	1640	1800	QTA12V—EG1990D	12	170*195	53.1	376.97	100	180	5600*2210*2930	12180
XM—K2000	3	Electronic Control	1800	2000	QTA12V—EG2210	16	170*195	70.8	453.17	140	240	6300*2620*2980	14227
XM—K2000	3	Electronic Control	1800	2000	QTA16V—EG2220D	16	170*195	70.8	453.17	140	240	6300*2620*2980	14227
XM—K2200	3	Electronic Control	2000	2200	QTA16V—EG2440D	16	170*195	70.8	503.02	140	240	7000*2620*3390	17402
XM—K2400	3	Electronic Control	2200	2400	QTA16V—EG2660D	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—K2640	3	Electronic Control	2400	2640	QTA16V—EG2940	20	170*195	88.5	554.85	200	300	8300*3470*3850	22128
XM—K2640	3	Electronic Control	2400	2640	QTA20V—EG2950D	20	170*195	88.5	554.85	200	300	8300*3470*3850	22128
XM—K2750	3	Electronic Control	2500	2750	QTA20V—EG3100D	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—K2860	3	Electronic Control	2600	2860	QTA20V—EG3200D	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—K3000	3	Electronic Control	2700	3000	QTA20V—EG3330D	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318
XM—K3300	3	Electronic Control	3000	3300	QTA20V—EG3600	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318

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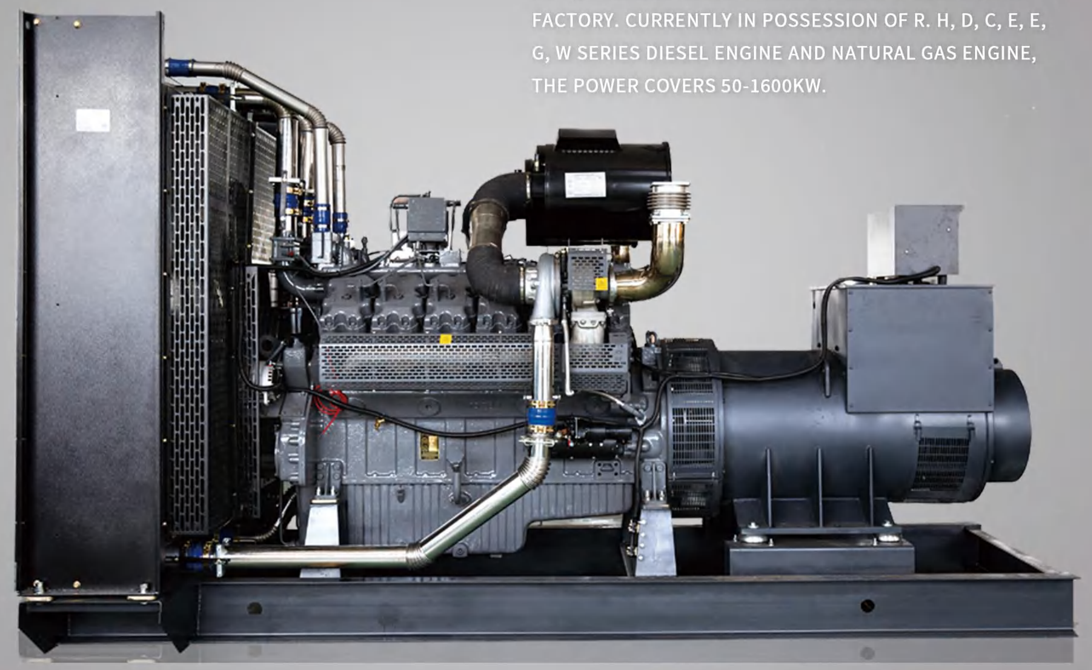
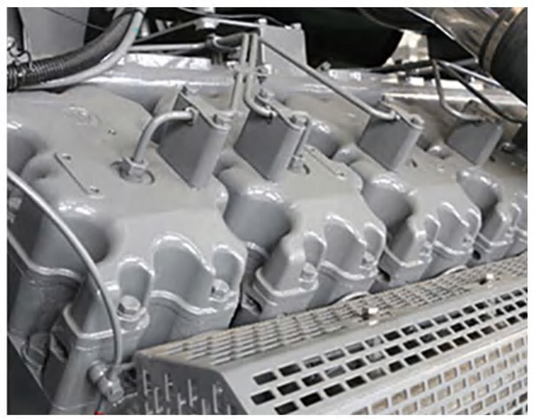
SHANGHAI DIESEL ENGINE CO. , LTD. WAS FOUNDED IN 1947, FORMERLY KNOWN AS SHANGHAI DIESEL ENGINE FACTORY. CURRENTLY IN POSSESSION OF R. H, D, C, E, E, G, W SERIES DIESEL ENGINE AND NATURAL GAS ENGINE, THE POWER COVERS 50-1600KW.



PANDA/SHANGHAI DIESEL ENGINE SERIES

SERIES DIESEL GENERATING SET



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—S330	2	Electronic	300	330	SC13E500D2	6	135*165	14.16	81.1	160	33	3156*1230*1674	2970
XM—S450	2	Electronic	400	450	SC25G690D2	12	135*150	25.8	110.9	218	65	3548*1400*1992	4300
XM—S550	2	Electronic	500	550	SC27G830D2	12	135*155	26.6	150.5	221	65	3548*1400*1992	4450
XM—S660	2	Electronic	600	660	SC33W990D2	6	180*215	32.8	171.2	248	75	4362*1570*2135	7070
XM—S55	3	Common rail	50	55	4HTAA4.3—G32	4	105*124	4.3	15.1	98	15	1910*893*1170	940
XM—S60	3	Common rail	55	60	4ZTAA3.2—G31	4	105*124	4.3	15.1	98	15	1910*893*1170	940
XM—S66	3	Common rail	60	66	4ZTAA3.5—G31	4	105*124	4.3	19	38	15	1950*893*1170	970
XM—S90	3	Common rail	80	90	4HTAA4.3—G34	4	105*124	4.3	24.7	45	15	2060*933*1185	1020
XM—S100	3	Common rail	90	100	4HTAA4.3—G35	4	105*124	4.3	24.7	82	15	2060*933*1185	1020
XM—S132	3	Common rail	120	132	6HTAA6.5—G32	6	105*124	6.5	35.6	90	20	2400*940*1376	1250
XM—S150	3	Common rail	135	150	6HTAA6.5—G35	6	105*124	6.5	35.6	92	20	2400*940*1376	1250
XM—S165	3	Common rail	150	165	6HTAA6.5—G33	6	105*124	6.5	38.6	105	20	2446*940*1376	1330
XM—S180	3	Common rail	160	180	6HTAA6.5—G34	6	114*135	8.27	45	120	22	2515*980*1500	1520
XM—S200	3	Common rail	180	200	6DTAA8.9—G32	6	114*144	8.82	50	125	22	2515*980*1500	1540
XM—S220	3	Common rail	200	220	6DTAA8.9—G33	6	114*144	8.82	54.4	125	27	2706*1040*1486	1750
XM—S250	3	Common rail	220	250	6DTAA8.9—G34	6	135*150	12.88	56.7	140	33	3156*1230*1647	2850
XM—S280	3	Common rail	250	280	6ETAA11.8—G32	6	135*150	12.88	67.6	145	33	3156*1230*1647	2850
XM—S300	3	Common rail	280	300	6ETAA11.8—G33	6	128*153	11.8	70.5	158	37	3175*1100*1595	2900
XM—S330	3	Common rail	300	330	6ETAA11.8—G31	6	135*165	14.16	81.1	170	33	3156*1230*1674	2970
XM—S400	3	Common rail	360	400	6ETAA12.8—G31	12	135*150	25.8	97.8	180	65	3533*1400*1992	4300
XM—S440	3	Common rail	400	440	6ETAA12.8—G310	12	135*150	25.8	110.9	218	65	3548*1400*1992	4300
XM—S500	3	Common rail	450	500	12GTAA27—G33	12	135*150	26.6	123.2	145	35	3548*1400*1992	4450
XM—S550	3	Electronic unit pump	500	550	6KTAA25—G39	12	135*155	26.6	150.5	158	65	3548*1400*1992	4450
XM—S620	3	Common rail	560	620	12GTAA27—G31	12	135*155	26.6	148.8	170	65	3548*1400*1992	4450
XM—S660	3	Electronic unit pump	600	660	6KTAA25—G37	6	180*215	32.8	171.2	180	75	4362*1570*2135	7070
XM—S720	3	Common rail	650	720	6KTAA25—G31	6	180*215	32.8	189.5	218	75	4433*1775*2378	8000
XM—S800	3	Common rail	720	800	6KTAA25—G320	12	128*142	29.2	190.25	170	48	4500*2140*2320	5850
XM—S880	3	Common rail	800	880	6KTAA25—G321	12	128*142	29.2	207.77	180	48	4600*2140*2320	6201
XM—S1000	3	Electronic unit pump	900	1000	6WTAA35—G310	12	170*195	35.4	223.37	218	160	4900*1920*2350	8257
XM—S1100	3	Electronic unit pump	1000	1100	6WTAA35—G311	12	170*195	35.4	252.38	218	160	4900*1920*2580	8257

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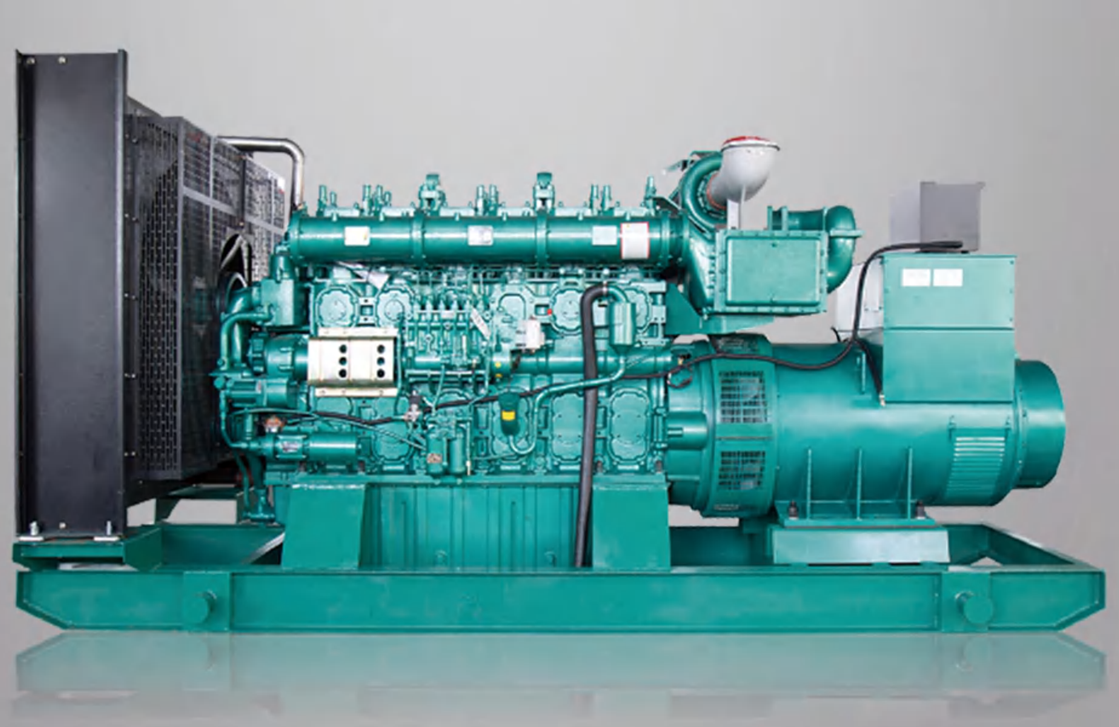
PANDA/YUCHAI

SERIES DIESEL GENERATING SET

GUANGXI YUCHAI MACHINERY GROUP CO. , LTD. , HEADQUARTERED IN YULIN, GUANGXI, IS A SET OF ENGINE INDUSTRY CHAIN AND PETROCHEMICAL INDUSTRY CHAIN AS ONE OF THE GROUP COMPANIES. YUCHAI HAS MORE THAN 2000 PATENTS, ITS DIESEL ENGINE WITH HIGH POWER, STABLE AND RELIABLE OUTPUT, LOW EMISSIONS TO WIN THE FAVOR OF DOMESTIC AND FOREIGN CUSTOMERS, PRODUCT POWER RANGE OF 30-1600KW, IS THE MAIN DOMESTIC COMMERCIAL VEHICLES, CONSTRUCTION MACHINERY, POWER GENERATION INDUSTRY SUPPORTING THE FIRST CHOICE.



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—Y22	3	Electronic control high—voltage common	20	22	YCDV254FHZ—35	2	115*120	2.4	5.9	50	10	1790*870*1500	580
XM—Y33	3	Electronic control high—voltage common	30	33	YCDV254FHZ—50	4	108*115	4.2	11.9	78	13	1800*600*1150	980
XM—Y55	3	Electronic control high—voltage common	50	55	YC4D90—D34	4	108*115	4.2	14.8	85	13	1800*600*1150	1180
XM—Y64	3	Electronic control high—voltage common	60	64	YC4D105—D34	6	108*125	6.8	21.2	108	17	2100*750*1350	1200
XM—Y100	3	Electronic control high—voltage common	90	100	YC4D155—D31	6	108*125	6.8	26.2	118	17	2100*800*1350	1300
XM—Y130	3	Electronic control high—voltage common	120	130	YCD6Q23H8—210	6	108*132	7.2	35.3	135	20	2560*980*1600	1700
XM—Y150	3	Electronic control high—voltage common	140	150	YC6A230—D30	6	108*132	7.2	40.5	135	22	2560*980*1600	1700
XM—Y160	3	Electronic control high—voltage common	150	160	YC6A245—D30	6	108*132	7.2	40.5	135	22	2560*980*1600	1850
XM—Y220	3	Electronic control high—voltage common	200	220	YC6MK350—D30	6	120*145	9.8	56.4	145	22	2900*1050*1700	2570
XM—Y300	3	Electronic control high—voltage common	280	300	YC6MK450—D30	6	123*145	11.7	70.5	155	28	3300*1200*1700	2900
XM—Y320	3	Electronic control high—voltage common	300	320	YC6K500—D31	6	131*145	11.7	80.1	160	28	3300*1200*1700	2550
XM—Y400	3	Electronic control high—voltage common	360	400	YC6K600—D30	6	145*165	16.35	98.8	180	52	3550*1210*1820	2800
XM—YB440	3	Electronic control high—voltage common	400	440	YC6MJ660—D30	6	145*165	16.35	108.2	180	52	3550*1260*1820	2880
XM—Y500	3	Electronic unit pump	450	500	YC6TD780—D31	6	145*165	16.35	112.9	190	52	3550*1260*1820	2900
XM—YB550	3	Electronic unit pump	500	550	YC6TC840—D31	6	152*180	19.6	136.4	210	6s	3550*1260*1820	3500
XM—Y660	3	Electronic unit pump	600	660	YC6TC1000—D31	6	200*210	39.58	169.4	210	80	4000*1500*2100	6800
XM—Y900	3	Electronic unit pump	800	900	YC6C1320—D31	6	200*210	39.58	214.2	280	90	4100*1600*2150	7000
XM—Y1000	3	Electronic unit pump	900	1000	YC6C1520—D31	6	200*210	39.58	222.5	295	101	4210*1700*2250	7400
XM—YB1100	3	Electronic unit pump	1000	1100	YC6TF1660—D31	12	200*210	79.17	274.1	320	121	4500*1805*2400	7800
XM—Y1350	3	Electronic unit pump	1200	1350	YC12VC2070—D31	12	200*210	79.17	290.4	340	121	4570*1750*2637	8200
XM—Y1500	3	Electronic control high—voltage common	1350	1500	YC16VTD2270—D30	12	170*195	53.1	339.16	100	180	5400*2210*2800	10951
XM—Y1650	3	Electronic control high—voltage common	1500	1650	YC16VTD2510—D30	12	170*195	53.1	376.97	100	180	5600*2210*2930	12180
XM—Y1800	3	Electronic unit pump	1700	1800	YC12VC2700—D31	12	170*195	53.1	376.97	100	180	5600*2210*2930	12180
XM—Y2000	3	Electronic unit pump	1800	2000	YC12VC3000—D30	16	170*195	70.8	453.17	140	240	6300*2620*2980	14227
XM—Y2200	3	Electronic unit pump	2000	2200	YC16VC3300—D31	16	170*195	70.8	503.02	140	240	7000*2620*3390	17402
XM—Y2400	3	Electronic unit pump	2200	2400	YC16VC3600—D31	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—Y2600	3	Electronic unit pump	2400	2600	YC16VC4000—D31	20	170*195	88.5	554.85	200	300	8300*3470*3850	22128
XM—Y2750	3	Common rail	2500	2750	YC16VC4200—D30	20	170*195	88.5	554.85	200	300	8300*3470*3850	21318
XM—Y3000	3	Common rail	2750	3000	YC16VC4500—D30	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318
XM—Y3300	3	Common rail	3000	3300	YC16VC4900—D30	20	170*195	88.5	605.16	200	300	8300*3470*3850	21318

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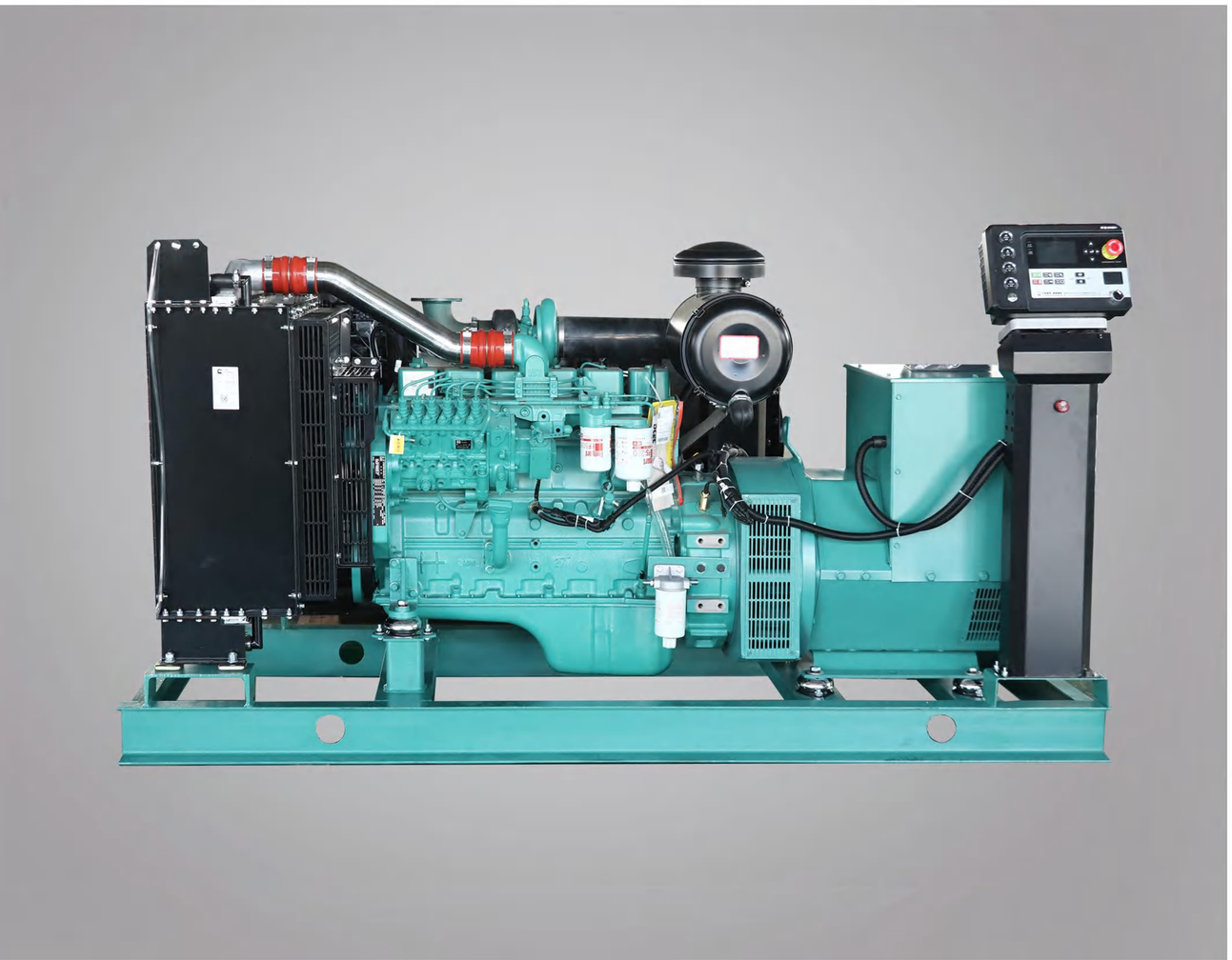
PANDA/DONGFENG CUMMINS DIESEL ENGINE SERIES

SERIES DIESEL GENERATING SET

Dongfeng Cummins Engine Co. , Ltd. , located in Xiangyang hi-tech Industrial Development Zone, Hubei Province, is 50% owned by Dongfeng Automobile Company and 50% owned by Cummins USA, a company whose main business is the manufacture of diesel engines. The main production Cummins B, C, L series mechanical and ISDE, Isle, Isz series full electronic control diesel engine.



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—D200	2	Electrical	180	200	6CTAA8.3—G9	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D211	2	Electrical	200	211	6LTAA8.9—G2	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D220	2	Electrical	200	220	6LTAA8.9—G3	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D240	2	Electrical	216	240	6LTAA9.5—G3	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D280	2	Electrical	256	280	6LTAA9.5—G1	6	140*152	14	69	61	39	3393*1100*1994	3310
XM—D340	2	Electrical	310	340	6ZTAA13—G3	6	140*150	14	72	62	36.7	3563*1100*1970	3330
XM—D380	2	Electrical	350	380	6ZTAA13—G2	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D380	2	Electrical	350	380	6ZTAA13—G4	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D375	2	Electronic Contro	350	375	QSZ13—G2	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D400	2	Electronic Contro	360	400	QSZ13—G5	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D400	3	Electronic Contro	380	400	QSZ13—G3	6	159*159	18.9	108	106	50	3440*1450*2250	4300
XM—D440	3	Electronic Contro	400	440	QSZ13—G10	6	159*159	18.9	108	106	50	3440*1450*2250	4300
XM—D112	3	Electronic Contro	100	112	QSB5.9—G3	6	105*135	7.01	41.6	66	14	2100*725*1450	1700
XM—D120	3	Electronic Contro	100	120	QSB5.9—G31	6	105*135	7.01	41.6	66	14	2100*725*1450	1700
XM—D132	3	Electronic Contro	120	132	QSB5.9—G33	6	105*135	7.01	41.6	66	14	2100*725*1450	1700
XM—D132	3	Electronic Contro	120	132	QSB6.7—G3	6	105*135	7.01	41.6	66	14	2100*725*1450	1700
XM—D160	3	Electronic Contro	144	160	QSB6.7—G4	6	105*135	8.7	46.8	66	15	2500*800*1500	1750
XM—D165	3	Electronic Contro	150	165	QSB6.7—G32	6	105*135	8.7	46.8	66	15	2500*800*1500	1750
XM—D176	3	Electronic Contro	160	176	QSL8.9—G2	6	105*135	8.7	46.8	66	15	2500*800*1500	1750
XM—D200	3	Electronic Contro	180	200	QSB6.7—G31	6	105*135	8.7	55.1	106	15	2500*800*1500	1780
XM—D200	3	Electronic Contro	180	200	QSL8.9—G3	6	105*135	8.7	55.1	106	15	2500*800*1500	1780
XM—D220	3	Electronic Contro	200	220	QSL8.9—G34	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D220	3	Electronic Contro	200	220	QSL8.9—G4	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D250	3	Electronic Contro	230	250	QSL8.9—G33	6	140*152	14	69	61	39	3393*1100*1994	3310
XM—D280	3	Electronic Contro	256	280	QSL8.9—G30	6	140*150	14	72	62	36.7	3563*1100*1970	3330
XM—D320	3	Electronic Contro	288	320	QSZ13—G6	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D360	3	Electronic Contro	320	360	QSZ13—G7	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—D100	4	Electronic Contro	100	100	B5.9CS4—GT1	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—D150	4	Electronic Contro	150	150	B6.7CS4—GT1	6	105*135	8.7	55.1	106	15	2500*800*1500	1780

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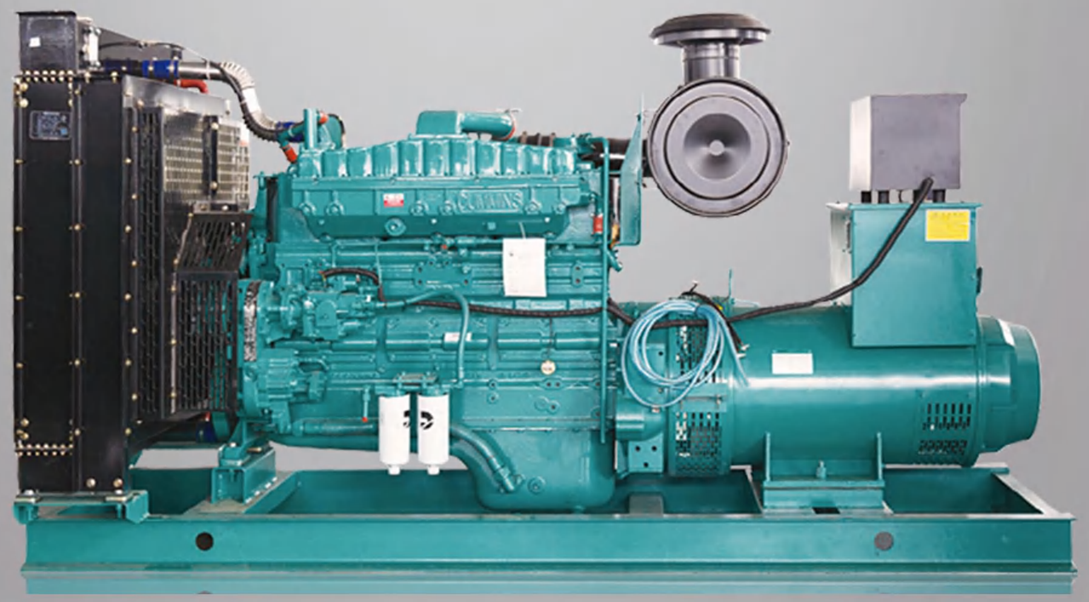
PANDA/DCEC

SERIES DIESEL GENERATING SET

CUMMINS, THE WORLD'S LARGEST INDEPENDENT ENGINE MANUFACTURER, BUILT MANUFACTURING PLANTS IN CHINA, JAPAN AND INDIA IN THE 20TH CENTURY TO MAKE CUMMINS LOCALLY. CHONGQING CUMMINS ENGINE CO. , LTD. IS A JOINT VENTURE OF CUMMINS CUMMINS IN CHINA. OF THE 18 SERIES OF ENGINES, 11 ARE PRODUCED LOCALLY IN CHINA, THE LEADING PRODUCTS ARE N, K, M11 AND QSK SERIES, FOR AUTOMOTIVE, INDUSTRIAL, MARINE AND POWER GENERATION EQUIPMENT FIELDS, POWER COVERAGE OF 60-3500 HORSEPOWER. ITS ADVANCED ECONOMY, POWER RELIABILITY, DURABILITY AND ENVIRONMENTAL SAFETY BY DOMESTIC AND FOREIGN USERS GENERALLY WELCOME.



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—C220	3	Efi	200	220	QSNT*G6	6	114*144	8.9	43	66	28	2575*1050*1800	2200
XM—C280	3	Efi	250	280	QSNT*G1	6	140*152	14	69	61	39	3393*1100*1994	3310
XM—C310	3	Efi	280	310	QSNT*G2	6	140*150	14	72	62	36.7	3563*1100*1970	3330
XM—C400	3	Efi	360	400	QSK19*G14	6	159*159	18.9	101	106	50	3360*1305*2185	4210
XM—C440	3	Efi	400	440	QSK19*G16	6	159*159	18.9	108	106	50	3440*1450*2250	4300
XM—C510	3	Electrical	450	510	KTA19*G8E	6	159*159	18.9	113	108	50	3555*1650*2350	4490
XM—C505	3	Efi	460	505	QSK19*G12	6	159*1S9	18.9	119	110	50	3684*1454*2000	4564
XM—C555	3	Electrical	500	555	KTA19*G8A	6	159*159	18.9	128	110	50	3684*1454*2000	4700
XM—C570	3	Efi	520	570	QSK19*G4	6	159*159	18.9	141	117	50	3722*1510*2100	4900
XM—C600	3	Electrical	545	600	KTA19*G9A	12	159*159	37.8	204	240	135	4385*1730*2450	7100
XM—C600	3	Efi	550	600	QSK19*G11	12	159*159	37.8	204	240	135	4385*1730*2450	7100
XM—C660	3	Efi	600	660	QSK38*G8	12	159*159	37.8	204	240	13S.0	4385*1730*2450	7100
XM—C710	3	Efi	650	710	QSK38*G7	12	159*159	37.8	210	262	135	4385*1730*2450	71S5
XM—C720	3	Efi	655	720	QSK19*G21	12	159*159	37.8	210	262	135	4385*1730*2450	71S5
XM—C800	3	Electrical	750	800	KTA38*G5E	12	159*159	37.8	215	262	135	4385*1730*2450	7185
XM—C880	3	Efi	800	880	QSK38*G10	12	159*159	37.8	228	275	200	4374*1785*2229	7667
XM—C900	3	Electrical	850	900	KTA38*G7E	12	159*159	37.8	233	262	200	4374*1785*2229	7800
XM—C1000	3	Electrical	900	1000	KTA38*G9E	12	159*159	37.8	256	275	200	4722*1785*2241	8179
XM—C1100	3	Efi	1000	1100	QSK38*G5	12	159*159	45.3	261	424	177	5105*2120*2260	9099
XM—C1120	3	Efi	1018	1120	QSK38*G12	12	159*159	45.3	261	424	177	5105*2120*2260	9099
XM—C1200	3	Efi	1080	1200	QSK38*G19	16	159*159	50.1	289	501	204	5811*2033*2330	9664
XM—C1200	3	Electrical	1100	1200	KTA50*G7E	16	159*159	50.1	289	501	204	5811*2033*2330	9664
XM—C1232	3	Efi	1120	1232	QSK38*G13	16	159*159	50.1	289	501	204	5811*2033*2330	9664
XM—C1300	3	Electrical	1200	1300	KTA50*G8E	16	159*159	55.6	309	501	204	5811*2033*2330	9664
XM—C1340	3	Efi	1218	1340	QSK38*G14	16	159*159	55.6	309	501	204	5811*2033*2330	9664
XM—C1408	3	Efi	1280	1408	QSK38*G15	12	159*159	55.6	336	501	204	5811*2033*2330	9664
XM—C1500	3	Electrical	1340	1500	KTA50*G15A	12	159*159	55.6	336	501	204	5811*2033*2330	9664
XM—C1600	3	Electrical	1500	1600	KTA50*G16A	12	159*159	60.2	363	420	378.5	6175*2286*2537	15152
XM—C2000	3	Efi	1800	2000	QSK60G21	16	159*159	60.2	412	420	378.5	6175*2286*2537	16210
XM—C2200	3	Efi	2000	2200	QSK60G22	16	159*159	60.2	412	420	378.5	6175*2286*2537	16210

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PANDA/MTU

SERIES DIESEL GENERATING SET

type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—B550	2	Electronic unit pump	500	550	12V2000G25	12	122*150	21	130.1	99	72.5	3550*1414*2200	4500
XM—B660	2	Electronic unit pump	600	660	12V2000G65	12	130*150	23.88	165.2	176	77	3900*1414*2200	6180
XM—B770	2	Electronic unit pump	700	770	16V2000G25	16	130*150	31.84	188.5	223	102	4450*1580*2400	7000
XM—B880	2	Electronic unit pump	800	880	16V2000G65	16	130*150	31.84	207.3	2233	102	1150*1580*2400	7300
XM—B1000	2	Electronic unit pump	900	1000	18V2000G65	18	130*150	35.82	236.4	222	130	4500*1805*2400	7700
XM—B1100	3	Efi	1000	1100	12V4000G23F	12	165*192	48.7	253.7	467	260	4562*2200*2515	8775
XM—B1200	3	Efi	1100	1200	12V4000G23F	12	170*210	57.2	276.4	467	260	4562*2200*2515	9820
XM—B1300	3	Efi	1200	1300	12V4000G23F	12	170*210	57.2	313.3	467	260	4562*2200*2515	10150
XM—B1550	3	Efi	1400	1550	12V4000G63F	12	170*210	57.2	357.6	470	260	4562*2200*2515	10575
XM—B1800	3	Efi	1600	1800	16V4000G23F	16	170*210	76.3	401.7	508	300	5030*2200*2515	13000
XM—B2000	3	Efi	1800	2000	16V4000G63F	16	170*210	76.3	424.3	512	300	5030*2200*2515	13400
XM—B2200	3	Efi	2000	2200	20V4000G23F	20	170*210	95.4	468.9	588	390	5519*2570*2975	17900
XM—B2400	3	Efi	2200	2400	20V4000G63F	20	170*210	95.4	537.6	611	390	6405*2570*2975	18400
XM—B2600	3	Efi	2400	2600	20V4000G63LF	20	170*210	95.4	584.7	611	390	6405*2570*2975	18900

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PANDA/PERKINS DIESEL ENGINE SERIES

SERIES DIESEL GENERATING SET

The Perkins diesel generator uses original diesel engines manufactured by Caterpillar of the United States and Rolls-royce of the United Kingdom. These engines are made of the latest European and American technology and high-strength wear-resistant materials, to ensure first-class quality, coupled with the world's leading diesel generator, compact and efficient. Before leaving the factory, after advanced computer testing, its technology and quality have reached the European and n production level, the Perkins diesel generator is characterized by low fuel consumption, stable performance, easy maintenance, low operation cost and low emission. The model meets EPAII and III emission standards. It is an ideal power equipment for general use and standby use.

type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—P40	2	Mechanical	36	40	1103A—33 TG1	3	105*127	3.3	10.7	112	7.9	1525*650*1240	800
XM—P53	2	Mechanical	48	53	1103A—33 TG2	3	105*127	3.3	13.9	120	7.9	1710*700*1300	885
XM—P180	2	Electronic Control	160	180	1206A— E70TTAG1	6	105*135	7.01	41.6	66	14	2100*725*1450	1700
XM—P200	2	Electronic Control	184	200	1206A— E70TTAG2	6	105*135	8.7	46.8	66	15	2500*800*1500	1750
XM—P220	2	Electronic Control	200	220	1506A—E88TAG3	6	105*135	8.7	55.1	106	15	2500*800*1500	1780
XM—P260	2	Electronic Control	240	260	1506A—E88TAG5	6	105*135	7.01	68.5	108	16	2600*825*1565	1850
XM—P270	2	Electronic Control	246	270	1706A—E93TAG1	6	105*135	7.01	68.5	108	16	2600*825*1565	1850
XM—P306	2	Electronic Control	278	306	1706A—E93TAG2	6	130*157	12.5	71	110	40	3130*1130*2085	3300
XM—P310	2	Electronic Control	280	310	2206C—E13TAG2	6	130*157	12.5	71	110	40	3130*1130*2085	3300
XM—P350	2	Electronic Control	320	350	2206C—E13TAG3	6	130*157	12.5	81	110	40	3130*1130*2085	3300
XM—P400	2	Electronic Control	360	400	2506C—E15TAG1	6	137*171	15.2	95	117	62	3425*1130*2085	3800
XM—P440	2	Electronic Control	400	440	2506C—E15TAG2	6	137*171	15.2	100	117	62	3425*1130*2085	3940
XM—P520	2	Electronic Control	473	520	2806C—E18TAG 1A	6	145*183	18.1	123	210	62	3425*1535*2085	5265
XM—P570	2	Electronic Control	520	570	2806A—E18 TAG2	6	145*183	18.1	132	235	62	3990*1710*2190	5380
XM—P630	2	Electronic Control	570	630	2806 A—E18TTAG4	6	160*190	23	157	240	113.4	3990*1710*2190	5380
XM—P680	2	Electronic Control	617	680	2806 A—E18TTAG5	6	160*190	23	157	240	113.4	3990*1710*2190	5380
XM—P660	2	Electrical	600	660	4006—23TAG2A	6	160*190	23	157	240	113.4	3990*1710*2190	5380
XM—P700	2	Electrical	640	700	4006—23TAG3A	6	160*190	23	172	262	113.4	3990*1710*2190	5380
XM—P800	2	Electrical	720	800	4008TAG1A	8	160*190	30.6	305	262	165.5	4750*2045*2430	7342
XM—P900	2	Electrical	800	900	4008TAG2A	8	160*190	30.6	305	275	165.5	4750*2045*2430	7400
XM—P990	2	Electrical	900	990	4008—30TAG3	12	160*190	45.8	259	275	177.1	4750*2045*2495	9155
XM—P1100	2	Electrical	1000	1100	4012—46TWG2A	12	160*190	45.8	283	424	177.1	4750*2045*2495	10000
XM—P1210	2	Electrical	1100	1210	4012—46TWG3A	12	160*190	45.8	283	424	177.1	4750*2045*2495	10000
XM—P1320	2	Electrical	1200	1320	4012—46TAG2A	12	160*190	45.8	301	501	177.1	4930*2200*2520	10200
XM—P1500	2	Electrical	1350	1500	4012—46TAG3A	16	160*190	61.1	343	501	237.2	5650*2756*3460	15100
XM—P1800	2	Electrical	1600	1800	4016TAG2A	16	160*190	61.1	343	510	237.2	5650*2765—3460	15600
XM—P1600	2	Electrical	1480	1600	4016—61TRG1	16	160*190	61.1	390	510	237.2	5650*2765*3460	15100
XM—P2000	2	Electrical	1800	2000	4016—61TRG3	16	160*190	61.1	473	510	237.2	5650*2756*3460	17500

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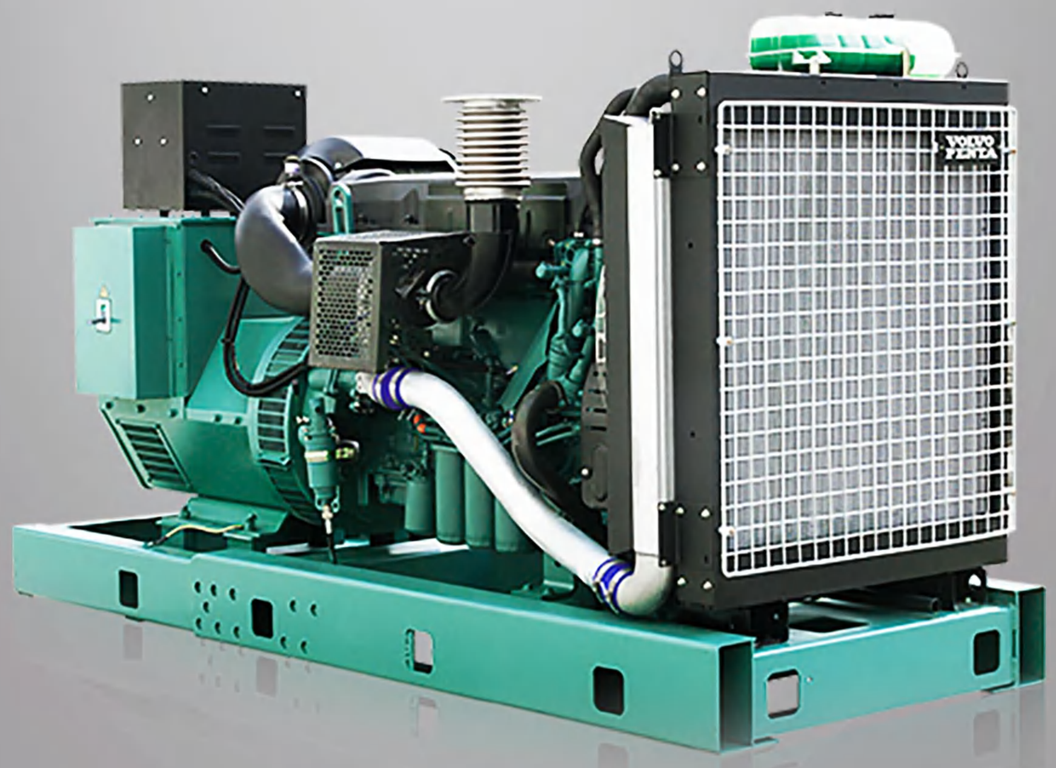
PANDA/VOLVO

SERIES DIESEL GENERATING SET

THE VOLVO ELECTRIC GENERATOR IS POWERED BY A SWEDISH DIESEL ENGINE. VOLVO ELECTRIC GENERATOR HAS THE ADVANTAGES OF LOW COST, HIGH EFFICIENCY, MAXIMUM RUNNING TIME AND EXCELLENT RELIABILITY. IT IS WIDELY USED IN HEAVY TRUCK, SHIP, POWER GENERATION AND MACHINERY INDUSTRIES. VOLVO IS THE LARGEST INDUSTRIAL COMPANY IN SWEDEN AND HAS A HISTORY OF MORE THAN 120 YEARS.



type	effluent standard	Machine/ electric	Unit power		diesel engine model	Cyinder NO (mm)	Bore * stroke	Air Discharge (L)	Fuel consumption rate(L/h)	Unit coolant	Oil capacity	size L*W*H (mm*mm*mm)	weight (KG)
			master	master									
XM—V77	2	Mechanical	70	77	TAD530GE	4	108*130	4.76	22	115	16	2484*763*1447	1110
XM—V88	2	Mechanical	80	88	TAD531GE	4	108*130	4.76	26.1	124	16	2536*763*1447	1120
XM—V110	2	Electrical	100	110	TAD532GE	4	108*130	4.76	32.4	124	16	2610*866*1485	1390
XM—V130	2	Mechanical	120	130	TAD731GE	6	108*130	7.15	38.7	130	20	2710*866*1490	1450
XM—V165	2	Electrical	150	165	TAD732GE	6	108*130	7.15	44.1	132	34	2790*1003*1530	1680
XM—V175	2	Electrical	160	175	TAD733GE	6	108*130	7.15	49.5	132	34	2820*1003*1625	1780
XM—V220	2	Electronic Control	200	220	TAD734GE	6	108*130	7.15	57.1	132	29	2950*1050*1360	1980
XM—V275	2	Electronic Control	250	275	TAD1341GE—B	6	131*158	12.78	57.1	148	36	3050*1114*1391	2420
XM—V308	2	Electronic Control	280	308	TAD1342GE—B	6	131*158	12.78	71.9	148	36	3100*1114*1500	2500
XM—V330	2	Electronic Control	300	330	TAD1343GE—B	6	131*158	12.78	78.6	160	36	3180*1114*1600	2650
XM—V360	2	Electronic Control	330	360	TAD1344GE—B	6	131*158	12.78	84.4	160	36	3200*1114*1600	2700
XM—V400	2	Electronic Control	360	400	TAD1345GE—B	6	131*158	12.78	96.8	210	36	3210*1114*1600	2750
XM—V440	2	Electronic Control	400	440	TAD1346GE	6	144*165	16.12	110.1	210	42	3490*1160*2010	3220
XM—V440	2	Electronic Control	400	440	TAD1641GE—B	6	144*165	16.12	110.1	210	42	3490*1160*2010	3220
XM—V530	2	Electronic Control	480	530	TAD1642GE—B	6	144*165	16.12	128.1	225	48	3560*1160*2010	1120
XM—V88	3	Electronic Control	80	88	TAD551GE	4	108*130	4.76	26.1	124	16	2536*763*1447	1120
XM—V115	3	Electronic Control	105	115	TAD750GE	4	108*130	4.76	32.4	124	16	2610*866*1485	1390
XM—V130	3	Electronic Control	120	130	TAD751GE	6	108*130	7.15	38.7	130	20	2710*866*1490	1450
XM—V165	3	Electronic Control	150	165	TAD752GE	6	108*130	7.15	44.1	132	34	2790*1003*1530	1680
XM—V180	3	Electronic Control	160	180	TAD753GE	6	108*130	7.15	49.5	132	34	2820*1003*1625	1780
XM—V220	3	Electronic Control	200	220	TAD754GE	6	108*130	7.15	57.1	132	29	2950*1050*1360	1980
XM—V290	3	Electronic Control	260	290	TAD1351GE	6	131*158	12.78	57.1	148	36	3050*1114*1391	2420
XM—V330	3	Electronic Control	300	330	TAD1352GE	6	131*158	12.78	78.6	160	36	3180*1114*1600	2650
XM—V330	3	Electronic Control	300	330	TAD1354GE	6	131*158	12.78	78.6	160	36	3180*1114*1600	2650
XM—V360	3	Electronic Control	330	360	TAD1355GE	6	131*158	12.78	84.4	160	36	3200*1114*1600	2700
XM—V400	3	Electronic Control	370	400	TAD1650GE	6	131*158	12.78	96.8	210	36	3210*1114*1600	2750
XM—V440	3	Electronic Control	400	440	TAD1651GE	6	144*165	16.12	110.1	210	42	3490*1160*2010	3220
XM—V530	3	Electronic Control	480	530	TWD1652GE	6	144*165	16.12	128.1	225	48	3560*1160*2010	3890
XM—V570	3	Electronic Control	520	570	TWD1653GE	6	144*165	16.12	140.1	225	48	3750*1350*2010	3910
XM—V620	3	Electronic Control	560	620	TWD1645GE	6	144*165	16.12	150.1	225	48	3750*1350*2010	4200

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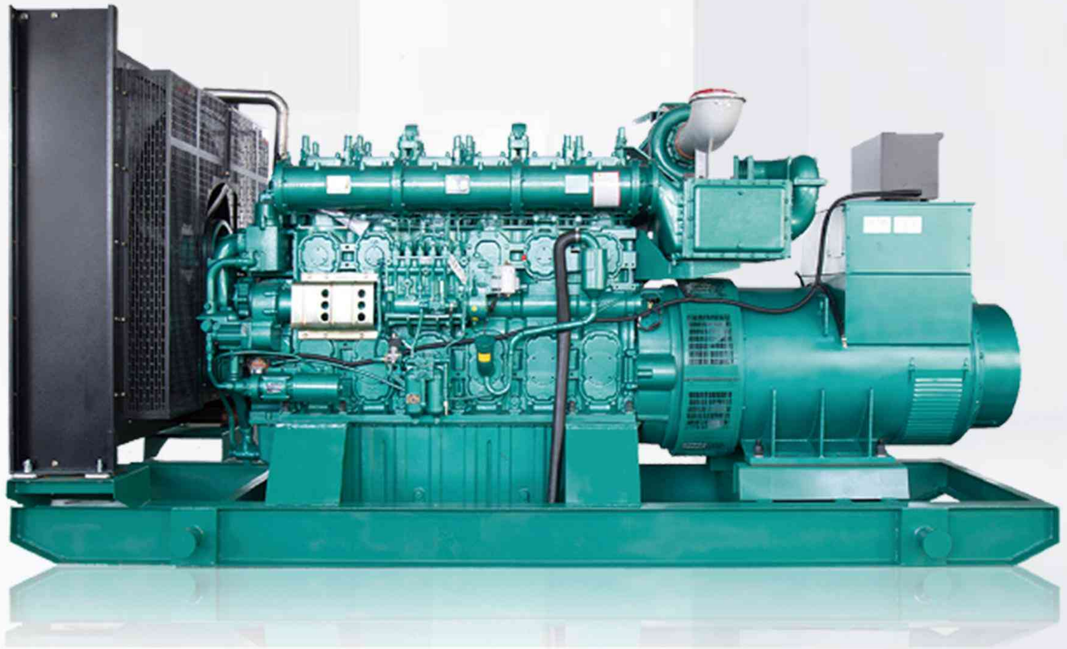
PANDA
OPEN TYPE DIESEL GENERATOR



1. Maintain continuity and reliability of power supply

The automatic control system of the diesel generator group can adjust the operation of the diesel generator group accurately and quickly. When the electric generator is abnormal, the automatic control system can judge and deal with it in time, issue the corresponding alarm signal and emergency shutdown to avoid damaging the electric generator. At the same time, it can automatically start the backup electric generator, shorten the power grid blackout time and ensure the continuity of power supply.

2. Improve the power quality index and Operation Economy, and make the power equipment in good working condition

Electrical equipment on the frequency and voltage of electrical energy have higher requirements, the allowable range of deviation is very small. The automatic voltage regulator keeps the voltage constant and operates the governor to adjust the frequency. The automatic diesel power station relies on the automatic regulating device to adjust the frequency and useful power.

3. Speed up the control and operation process, improve the continuity and stability of the system.

After realizing the automation of diesel power station, the operation condition can be changed in time and meet the requirements of the system. In the case of emergency start-up electric generator, it can take as little as five to seven minutes for a manual operation to take place. With automatic control, it usually takes less than 10 seconds to start and restore power.

4. Reduce energy consumption and improve working conditions.

The operating environment of the computer room is very bad, which affects the health of the operators. The automatic control system creates the conditions for unattended work.

PANDA

SILENT TYPE DIESEL GENERATOR

Design ideas

1. Unit noise source: exhaust noise, mechanical noise, combustion noise, cooling fan, exhaust channel noise, intake noise, etc. .

2. Adopt shock absorption and sound insulation measures to limit the path of vibration and noise transmission, so as to achieve the goal of low noise work.

Control of exhaust noise

1. Exhaust noise is the most energy and component part of engine noise, which is the main part of engine aerodynamic noise.

2. Reduce the exhaust noise, select the right muffler to reduce the exhaust noise more than 20-3dB (a) .

3. The exhaust system is equipped with bellows, which can effectively block the transmission of exhaust vibration.

4. Heat insulation and sound insulation bandaging is applied to the exhaust pipe in the mute cover shell to improve the operation environment of the unit and isolate the noise caused by the exhaust pipe.

Control of mechanical noise and combustion noise

1. The mechanical noise is mainly produced by the vibration or mutual impact caused by the periodic change of gas pressure and inertia force.

2. Combustion noise refers to the combustion noise in the cylinder.

3. Mechanical noise and combustion noise suppression.

4. Adopt the high-efficiency damping rubber cushion to carry on the isolation treatment to the unit.

5, the closed mute shell (doors and windows are sealed) , the transmission of noise transmission outside the shell shell with high-efficiency sound-absorbing material, absorbing a large part of the noise.

PANDA

POWER SUPPLY VEHICLE DIESEL GENERATOR

Overview

The power supply vehicle should have the good off-road ability and the adaptability to each kind of road surface, adapts to the all-weather outdoor work, the utility model has the advantages of stable and reliable performance, simple operation, low noise, good emission and good maintenance, and can well meet the needs of outdoor operation and emergency power supply.

Description of the features

1. Maintain continuity and reliability of power supply

The automatic control system of the diesel generator group can adjust the operation of the diesel generator group accurately and quickly. When the electric generator is abnormal, the automatic control system can judge and deal with it in time, issue the corresponding alarm signal and emergency shutdown to avoid damaging the electric generator. At the same time, it can automatically start the backup electric generator, shorten the power grid blackout time and ensure the continuity of power supply.

2. To improve the power quality index and the operation economy, and to make the power equipment in good working condition, the power equipment has higher requirements to the power frequency and voltage, and the allowable deviation range is very small. The automatic voltage regulator keeps the voltage constant and operates the governor to adjust the frequency. The automatic diesel power station relies on the automatic regulating device to adjust the frequency and useful power.

3. Speed up the control and operation process, improve the continuity and stability of the system. After realizing the automation of diesel power station, the operation condition can be changed in time and meet the requirements of the system. In the case of emergency start-up electric generator, it can take as little as five to seven minutes for a manual operation to take place. With automatic control, it usually takes less than 10 seconds to start and restore power.

4. Reduce energy consumption and improve working conditions.

The operating environment of the computer room is very bad, which affects the health of the operators. The automatic control system creates the conditions for unattended work.

PANDA
RAINPROOF DIESEL GENERATOR

Protective type unit advantages

1, beautiful appearance, reasonable structure.
2, good sealing: rain, snow, dust, can work in a bad environment;.
3. Good safety: totally enclosed box, made of 2mm steel plate.
4. The ventilation inside the box is smooth, the temperature is not easy to be too high, ensuring the running power of the unit;
5. The protective type unit also has the noise reduction performance, carries on the effective noise isolation processing to the box body, causes the unit to reduce the partial noise effectively in the operation, the Operability is good.
6. the designer in line with the people-oriented guiding ideology, has fully considered the operator to the oil engine operation convenience and security.
7. Hoisting: for the convenience of field transportation, 4 hoisting devices are installed on the top of the box.

PANDA
MOBILE TRAILER DIESEL GENERATOR

1. Maintain continuity and reliability of power supply

The automatic control system of the diesel generator group can adjust the operation of the diesel generator group accurately and quickly. When the electric generator is abnormal, the automatic control system can judge and deal with it in time, issue the corresponding alarm signal and emergency shutdown to avoid damaging the electric generator. At the same time, it can automatically start the backup electric generator, shorten the power grid blackout time and ensure the continuity of power supply.

2. Improve the power quality index and Operation Economy, and make the power equipment in good working condition

Electrical equipment on the frequency and voltage of electrical energy have higher requirements, the allowable range of deviation is very small. The automatic voltage regulator keeps the voltage constant and operates the governor to adjust the frequency. The automatic diesel power station relies on the automatic regulating device to adjust the frequency and useful power.

3. Speed up the control and operation process, improve the continuity and stability of the system.

After realizing the automation of diesel power station, the operation condition can be changed in time and meet the requirements of the system. In the case of emergency start-up electric generator, it can take as little as five to seven minutes for a manual operation to take place. With automatic control, it usually takes less than 10 seconds to start and restore power.

4. Reduce energy consumption and improve working conditions.

The operating environment of the computer room is very bad, which affects the health of the operators. The automatic control system creates the conditions for unattended work.

PANDA
CONTAINER DIESEL GENERATOR

Advantages of container type unit

1, the appearance is beautiful, the structure is reasonable.

2, good sealing: rain, snow, dust, can work in harsh environment.

3. Good safety: totally enclosed box, made of 2mm steel plate.

4. The ventilation inside the box is smooth, the temperature is not easy to be too high, ensuring the running power of the unit, sound-proof performance is good.

5.The protective type unit also has the noise reduction performance, carries on the effective noise isolation processing to the box body, causes the unit to reduce the partial noise effectively in the operation, the Operability is good.

6, the designer in line with the people-oriented guiding ideology, has fully considered the operator to the oil engine operation convenience and security.

7. Hoisting: for the convenience of field transportation, 4 hoisting devices are installed on the top of the box.

MORE BRAND CHOICES

熊猫电源

Cummins POWER TECHNOLOGY

Cummins DCEC

mtu

WEICHAI 潍柴

玉柴机器 YC DIESEL

上柴动力 SDEC POWER

VOLVO PENTA

GOOGOL POWER

云内 YUNNEI

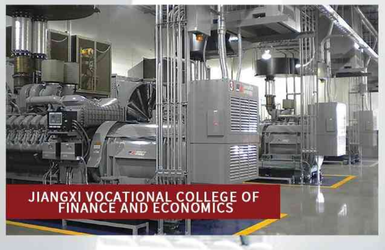
DEUTZ

Perkins

SOME OF THE CLASSIC CASE SHOWS

LIAONING ANSHAN TENG'AO AIRPORT

HONGYI PRIMARY SCHOOL, ZHUJI



JIANGXI VOCATIONAL COLLEGE OF FINANCE AND ECONOMICS

HEILONGJIANG JIAMUSI SANJIANG ADMINISTRATION BUREAU

BRANCH OFFICE OF YANGZHOU TELECOM CO.

SINOPEC JIANGSU BRANCH

JINAN KAOGLE SPECIAL PURPOSE VEHICLE MANUFACTURING CO. , LTD.

CHAI MUDA PRISON IN QINGHAI PROVINCE

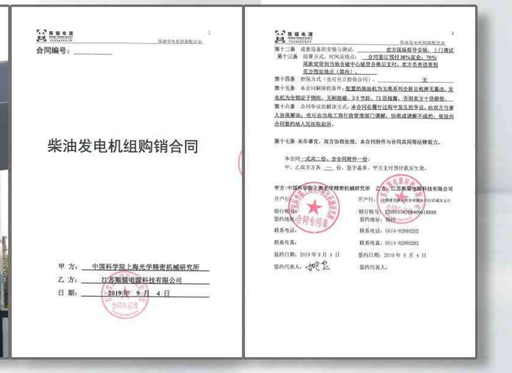
GUCHENG COUNTY STADIUM, HENGSHUI, HEBEI PROVINCE

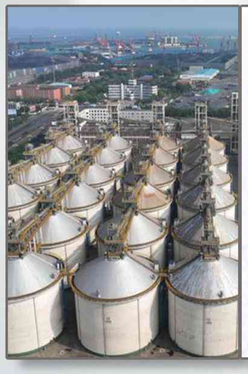
TONGXIN PRIMARY SCHOOL IN SHANGRAO, JIANGXI PROVINCE

SOME OF THE CLASSIC CASE SHOWS

SOME OF THE CLASSIC CASE SHOWS














PANDA POWER ACCESSORIES
DIESEL GENERATOR SET

▶ CONTROL SYSTEM

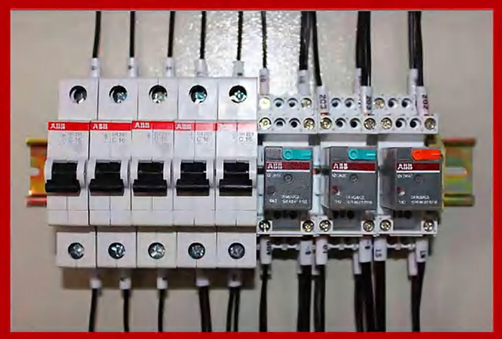
NORMAL STANDARD UNITS NEED TO SMELL MANUALLY, FROM POWER FAILURE TO DIESEL GENERATOR START-UP POWER SUPPLY, GENERALLY TAKES 10 TO 30 MINUTES, DIESEL GENERATOR AUTOMATIC CONTROL IS DIVIDED INTO SEMI-AUTOMATIC AND FULLY AUTOMATIC UNATTENDED TYPE. SEMI-AUTOMATIC FOR THE ELECTRIC GENERATOR POWER CUT AUTOMATICALLY START, CALL AUTOMATICALLY STOP, SAVE THE START AND STOP TIME, BUT STILL NEED TO BE MANUAL SMELL. THE AUTOMATIC AND UNATTENDED CONTROL PANEL FOR CAT POWER PRODUCTION IS EQUIPPED WITH ATS DOUBLE TRANSFER SWITCH. IT CAN DETECT THE ELECTRICITY SIGNAL DIRECTLY AND SWITCH OVER AUTOMATICALLY. AT THE SAME TIME, THE CONTROL ELECTRIC GENERATOR CAN START AND STOP AUTOMATICALLY, THE AUTOMATIC UNATTENDED OPERATION IS REALIZED, AND THE SWITCHING TIME IS ADJUSTABLE FOR 3 -7 SECONDS. HOSPITALS, MILITARY, FIRE FIGHTING AND OTHER PLACES THAT NEED TO SEND ELECTRICITY IN TIME SHOULD BE EQUIPPED WITH FULLY AUTOMATIC CONTROL SCREEN.

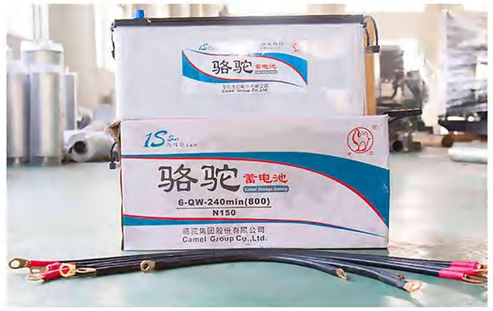
▼ CONTROL BOX ORIGINAL DEVICE

IN ADDITION TO THE MAIN CONTROL MODULE, THE CONTROL BOX ALSO HAS MANY AUXILIARY ELECTRICAL COMPONENTS, SUCH AS CIRCUIT BREAKERS, RELAYS, FUSES AND SO ON. THE PANDA POWER GENERATION USES ABB, OMRON AND OTHER INTERNATIONAL BRANDS OF ELECTRICAL APPLIANCES, AND THE FAILURE RATE IS EXTREMELY LOW, ENSURES ELECTRICAL STABILITY. TAKING THE RELAY AS AN EXAMPLE, THE BASE OF THE DOMESTIC CHINT BELT IS ABOUT 8 YUAN, WHILE THE OMRON IS ABOUT 48 YUAN, THE COST OF THE ORIGINAL COMPONENTS OF THE ENTIRE CONTROL BOX USING INTERNATIONAL BRANDS HAS ONLY INCREASED BY ABOUT 1,500 YUAN, BUT THE ELECTRICAL FAILURE RATE GREATLY REDUCED THE QUALITY OF THE RISE BY MORE THAN ONE GRADE. PANDA POWER IS THE ONLY ELECTRIC GENERATOR COMPANY IN THE INDUSTRY TO ADOPT SUCH A STANDARD FOR ELECTRICAL COMPONENTS.

▶ PLC CONTROL MODULE

WELL-KNOWN BRAND CONTROLLER ARE AS FOLLOWS: DSE, BRITISH DEEP-SEA CONTROLLER (AVERAGE PRICE: 2,500 YUAN) , COMAY, ORIGINAL IMPORTED CZECH CONTROLLER (AVERAGE PRICE: 2,200 YUAN) , CATHON, HONG KONG CATHON (AVERAGE PRICE: 1,200 YUAN) , MADE IN GUANGZHOU, ZHONGZHI, PRODUCED IN ZHENGZHOU, HENAN PROVINCE (AVERAGE PRICE 800 YUAN) . THE BRITISH DEEP SEA IS THE SENIOR MANUFACTURER OF THE ELECTRIC GENERATOR CONTROL MODULE, AND THE MAIN CONTROL SOFTWARE AND DESIGN IDEAS OF OTHER PRODUCTS ON THE MARKET ARE BASED ON THE DEEP SEA. THE RELIABILITY OF DEEP-SEA CONTROLLERS IS MUCH HIGHER THAN OTHER BRANDS. PANDA POWER GENERATION FULL SERIES OF STANDARD BRITISH ORIGINAL DEEP-SEA CONTROLLER, GUARANTEED TO BE GENUINE.



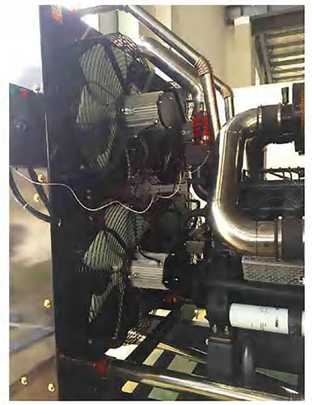


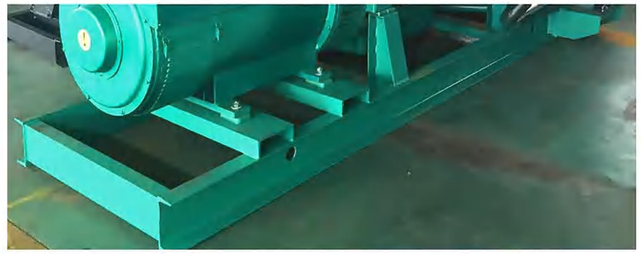
◀ CONTROL SYSTEM

BATTERIES ARE DIVIDED INTO LEAD ACID BATTERY AND MAINTENANCE-FREE BATTERIES. THE PRICE OF THE LATTER IS DOUBLE THAT OF THE FORMER, AND IT IS NECESSARY TO ASK WHAT KIND OF BATTERY AND WHETHER THERE ARE BATTERY WIRES IN THE CONTRACT OR TECHNICAL AGREEMENT.

▼ RADIATOR WATER TANK

THE MAIN FUNCTION OF RADIATOR WATER TANK IS TO EXCHANGE HEAT IN DIESEL ENGINE WITH WATER TO REDUCE THE BODY TEMPERATURE. THE WATER TANK IS CONNECTED BY A SERIES OF WATER PIPES ARRANGED VERTICALLY, AND THE GAPS ARE FILLED WITH METAL RADIATORS. MORE THAN 90% OF THE WATER ELECTRIC GENERATOR IN THE MARKET ARE OF ALUMINIUM, WHICH IS NOT CORROSION-RESISTANT AND EASY TO LEAK. HOWEVER, IT IS USED BECAUSE OF ITS LOW COST. THE GAP BETWEEN EACH PIPE IS 0.8 CM ACCORDING TO THE NATIONAL STANDARD. IN FACT, MOST WATER DIESEL GENERATOR MANUFACTURERS NOW USE TANKS WITH A GAP OF 1.2 CM, AND SOME EVEN USE TANKS WITH A GAP OF 1.2 CM. THE WATER TANK OF PANDA POWER SUPPLY ADOPTS COPPER WATER PIPE AND HEAT SINK, THE ARRANGEMENT GAP IS 0.8 CM IN ACCORDANCE WITH THE NATIONAL STANDARD, AND IS NOT ADULTERATED.





▲ FUEL TANK, FUEL LINE

MOST DIESEL GENERATOR COMPANIES DON'T USE TANKS AS A STANDARD, UNLIKE PANDA, AND THEY DON'T INCLUDE THEM IN THE PRICE. USERS IGNORE THE PAST, AND THEY ASK IF THE PRICE IS HIGH, AND THEY GIVE ONE AWAY, IF THE TRANSACTION PRICE IS LOW, ASK THE CUSTOMER TO INCREASE THE MONEY, IN THE INQUIRY TO ASK WHETHER THERE ARE FUEL TANKS, PIPELINES.

▲ CHASSIS

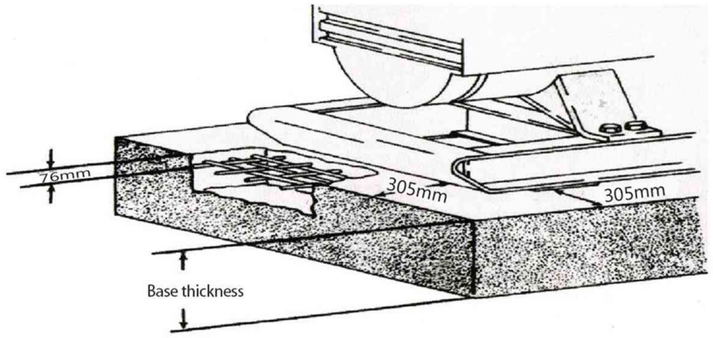
\MORE THAN 90% OF THE ELECTRIC GENERATOR CHASSIS ON THE MARKET IS MADE OF STEEL PLATE BENDING, WHICH IS WIDELY USED BECAUSE OF ITS BEAUTY AND LOW COST. BUT A BENDED STEEL CHASSIS WITH LOW STRENGTH AND STIFFNESS, IF IT IS NOT CAREFULLY LIFTED OR MOVED SEVERAL TIMES, CAN CAUSE ELECTRIC GENERATOR MISALIGNMENT, AND A LIGHT MISALIGNMENT CAN SHORTEN THE LIFE OF GENERATOR BEARINGS, HEAVY IS CAUSED BY THE GENERATOR SWEPT BURN. THE WHOLE SERIES OF ELECTRIC GENERATOR CHASSIS PRODUCED BY PANDA POWER SUPPLY ARE MADE OF CHANNEL STEEL OR I-BEAM STEEL, AND HAVE UNDERGONE 500KG TORSION TEST AND STRESS AGING FOR 30 DAYS.

PANDA/

INSTALLATION INSTRUCTIONS

1. FOUNDATION

The installation of the set shall consider the load of the floor, the location of the passage and maintenance, vibration, ventilation, the connection and insulation of smoke exhaust pipes, the size and location of the fuel tank, and shall be subject to the local or national environmental protection regulations.



Huaichai series sets have excellent shock absorption performance, so the generator set does not need a specific foundation, and the set can be directly installed on the horizontal plane and concrete ground with sufficient strength. The ground is required to be horizontal and flat, and the flatness is required to be within the plane of ±0.5°, and the ground must be able to bear 1.5 ~ 2 times the static weight of the generator set itself.

Concrete mounting base is a reliable installation method. The base is usually 100 ~ 200mm above the ground, and its thickness D is calculated as follows:

D=W/(dxBxL) Where, w = total mass of generator set (kg)

d = specific gravity of concrete, grade 450 is generally 2300 (kg/m3)

B = Width of concrete base (m)

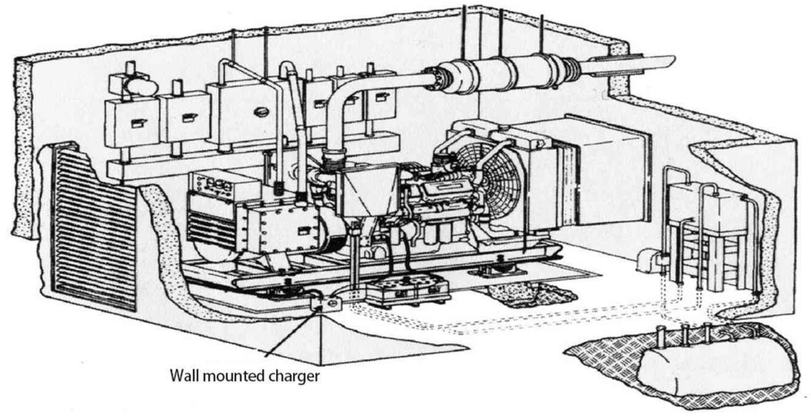
L = Length of concrete base (m)

The concrete mixing volume ratio (cement sand and gravel) is 1: 2: 4 or 1: 3: 5 or 1: 3: 6.

2. GENERATOR ROOM

There must be enough space in the generator room to make the air circulate freely, which is very important to ensure the normal service performance of the set, reduce the power loss of the set and ensure the normal service life of the set.

Other inflammable and explosive articles and any objects that are easily involved in the protective net cover of the set or even directly sucked into the set and may affect the normal use of the set shall not be placed inside the generator room. In order to prevent hot air backflow, a wind guide cover is arranged between the cooling water tank and the exhaust outlet of the set to prevent hot air from circulating indoors.



For the installation and construction of sets with no special requirements, the design requirements for the generator room are not high. On the premise of ensuring that the exhaust back pressure does not exceed the specified value, it is only necessary to ensure that the air inlet and exhaust outlet of the generator room meet the requirements of technical specifications, avoid heating backflow, and reserve enough operation and maintenance space inside the generator room.

The generator room must ensure the air intake to supplement the air consumed for engine combustion and discharge a large amount of heat emitted by the set during operation outside the generator room through the radiator core, so that the temperature in the generator room is as close to the ambient temperature as possible and the engine body temperature is kept in the normal working range.

It should be ensured that the net area of the exhaust outlet is not less than 1.25 times of the effective area of the radiator core, the central position of the exhaust outlet should be consistent with the central position of the radiator core of the set as much as possible, and the width-height ratio of the exhaust outlet should be the same as that of the radiator core as much as possible.