HONNY POWER

GUANGDONG HONNY POWER-TECH CO., LTD.



Guangdong Generator Assembling Base



USA Research and Development Base



Chongqing Engine Assembling Base

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Guangdong Honny Power-tech Co., Ltd was founded in 1992, and has been one of the leading OEM manufacturer and supplier of power generator and Power Plant within the range of 16 KW to 50 MW. Honny Power-tech Co., Ltd is share holder of USA based Googol Engine-tech Co., Ltd. (leading diesel, natural gas, biogas, dual fuel, Middle speed engines manufacturer within the range of 220 KW to 2722 KW).
We Honny Power specialize in assembly, design, sales, installation, maintenance and service of diesel generators, diesel engines, Gas, biogas, dual fuel, high speed, middle speed power generators, Power plants with and without CHP or CCHP, Sound and weather proof canopies, special containers, Mobile Power Generation, Transformer Substations, Synchronization Panels, and ATS Panels. We have vast experience to design install and maintain power plants around the world with our best world class expertise and engineers. We establish international manufacturing standard, structure and highly qualified staff to maintain quality.

In order to meet rapidly growing demand of our power generators from local and international markets around the world, Honny set up 2 wholly-owned large-scale manufacturing factories , 2 R&D design centers and 43 wholly-owned sale and service offices in China. The total business area is up to 250,000 square meters, nearly 1,000 employees.





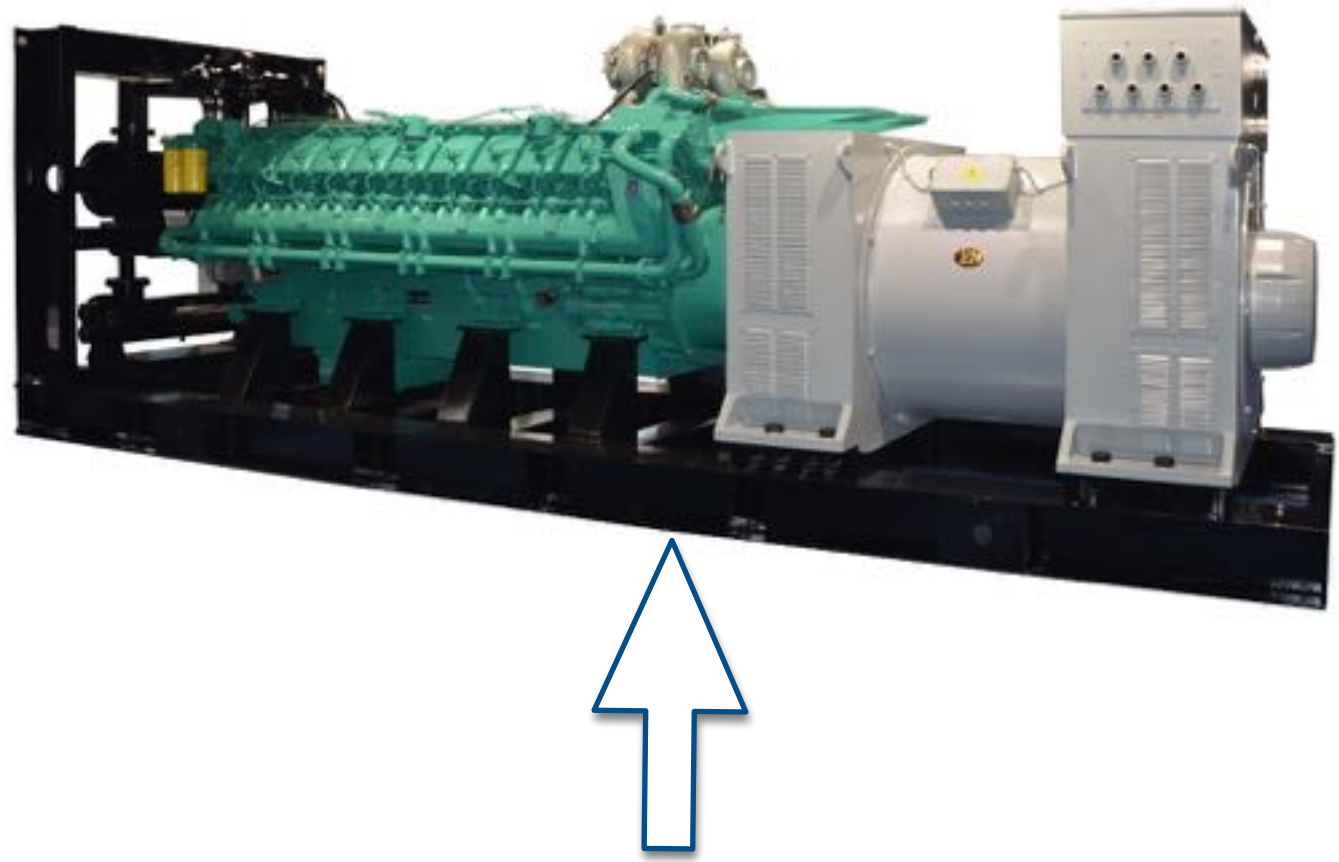


Under 25 years of tireless work and painstaking efforts, Honny reelected for five consecutive years in China's best power solutions integrator, and won the Guangdong high-tech enterprises, Guangdong Famous Brand, Guangdong Top Brand, Dongguan Top 50 private enterprises, Dongguan enterprise of observing contract and valuing credit, Dongguan patent nurturing enterprise, Dongguan private technology enterprises, the founder Wen Guosheng won the Dongguan inaugural honor outstanding private entrepreneurs.

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Honny Googol is one of the leading manufacturers which can design and produce big engine over 2400kW with 1500rpm

MTU / Caterpillar / Cummins / Googol



20 Cylinder High speed engine only manufactured by MTU, CAT and GOOGOL

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Parameter comparison

Power Generation Prime	kW	2400	2400	2400	2400
Engine Brand		**Googol**	**MTU**	**Cummins**	**Caterpillar**
Engine Model		QTA5400-G5	20V4000G63L	QSK78G6	C175
Displacement	liter	88.5	95.4	77.6	84.67
No. Cylinder		V20	V20	V18	V16
Bore * Stroke	mm	170*195	170*210	170*190	175*220
Speed	rpm	1500	1500	1500	1500
Prime Output	kW	2617	2535	2515	2550
Standby Output	kW	2867	2850	2790	2800
Power to Cylinder	kW	129.75	126.75	139.72	159.38
Rating Fuel Consumption	g/kW.h	193	192	200	195
Engine Dry Weight	kg	7700	7900	9180	11800
Engine Size	mm	4110*1460*1820	4250*1550*1920	3062*1570*2031	4116*1778*2233
Engine Volume	m3	10.921	12.648	9.764	16.342
Power to Weight	KW/kg	0.337	0.321	0.274	0.216
Power to Volume	KW/m³	237.61	200.43	257.59	156.04
Power to Displacement	KW/l	29.32	26.57	32.41	30.12
First Overhaul Time	Hours	25000-30000	25000-30000	15000-20000	25000-30000

Honny Group: Continuous Innovation

- Since the first day Honny Group found, Innovation has been our key competition.

- Leading scientists and experienced engineers have been designing and manufacturing the most suitable and reliable engines for our clients in different field.

- We have our own independent intellectual property rights on many models of engine which are competent with some other world-wide famous brands, such as, CATERPILLER, MTU, COMMINS, etc.

- Continuous innovation is our core competitiveness which guides Honny Group to be the leading manufacturer in the engine and generation field

Honny Googol Series Genset Feature

- Small Size, Low Weight, Large Power Output

- High Quality and performance materials with Integrated Forging Steel Crankshaft, Alloy Cast Iron Block, Wet Liner, Up Broken Process Con-Rod, Piston with Steel Top End, Lead to Long First Overhaul time to 25000-30000 hours.

- High Fuel Injection Pressure Leads to Low Fuel Consumption

- Spare Part High Compatibility Leads to Low Maintenance Cost and Stock Cost.

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High compatibility

- PTA780/PTAA780, Bore-128 Stoke-166
- PTAA890/PTAA1120/PTAA1340/PTAA1780, Bore-128 Stoke-142
- QTA2160/QTA3240/QTA4320/QTA5400, Bore-170 Stoke-195
- Same Single Cylinder Head for Each Cylinder for P & Q Series
- Same Fuel and Oil Filter for all P Series
- Same Fuel and Oil Filter for all Q Series

Product category

- Standard Diesel Engine & Generators
- Super Silent & Mobile Generators
- Middle & High Voltage Generators
- Natural Gas & Biogas Engine & Generators
- Dual Fuel Engine & Generators
- Power Plant
- Transformer Substation
- Marine Ship
- Middle Speed Engine & Generators

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Standard Generator

Q Series: 600-2640kW



P Series: 200-880kW



High Voltage Generator



Output: 500-2640kW
Voltage: 3300V
6300/6600V
10500/11000V
13800V
Frequency: 50/60Hz

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Parameter Comparison: 600kW & 800kW

Power Generation Prime	KW	600	600	800	800
Engine Brand		Googol	Cummins	Googol	Cummins
Engine Model		PTAA1340-G5	KTA38-G2	PTAA1780-G7	KTA38-G5
Displacement	liter	21.6	37.8	29.2	37.8
No. Cylinder		V12	V12	V16	V12
Bore * Stroke	mm	128*142	159*159	128*142	159*159
BEMP	bar	23.28	14.07	23.16	18.68
Speed	rpm	1500	1500	1500	1500
Prime Output	KW	648	664	874	880
Standby Output	KW	712	731	958	970
Power to Cylinder	KW	54.00	55.33	54.63	73.33
Rating Fuel Consumption	g/KW.h	201	213	198	202
Engine Dry Weight	kg	1625	3723	2250	3723
Engine Size	mm	1720*1390*1290	2260*1339*2332	1950*1390*1400	2260*1339*2332
Engine Volume	m3	3.084	7.057	3.795	7.057
Power to Weight	KW/kg	0.399	0.178	0.388	0.236
Power to Volume	KW/m³	210.11	94.09	230.30	124.70
Power to Displacement	KW/l	30.00	17.57	29.93	23.28
First Overhaul Time	Hours	25000-30000	15000-20000	25000-30000	15000-20000

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Parameter Comparison: 1000kW & 1200kW

Power Generation Prime	KW	1000	1000	1200	1200
Engine Brand		Googol	Cummins	Googol	Cummins
Engine Model		QTA2160-G7	KTA50-G3	QTA3240-G5	KTA50-GS8
Displacement	liter	35.4	50.3	53.1	50.3
No. Cylinder		V8	V16	V12	V16
Bore * Stroke	mm	170*195	159*159	170*195	159*159
BEMP	bar	23.54	17.44	19.03	20.62
Speed	rpm	1500	1500	1500	1500
Prime Output	KW	1085	1097	1303	1287
Standby Output	KW	1190	1220	1451	1429
Power to Cylinder	KW	135.63	68.56	108.58	80.44
Rating Fuel Consumption	g/KW.h	195	197	195	197
Engine Dry Weight	kg	3500	4858	5000	4858
Engine Size	mm	2600*1460*1820	2857*1415*1766	3100*1460*1820	2857*1415*1766
Engine Volume	m3	6.909	7.139	8.237	7.139
Power to Weight	KW/kg	0.310	0.226	0.261	0.265
Power to Volume	KW/m³	157.05	153.66	158.18	180.28
Power to Displacement	KW/l	30.65	21.81	24.54	24.24
First Overhaul Time	Hours	25000-30000	15000-20000	25000-30000	15000-20000

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Parameter Comparison: 1500kW & 1800kW

Power Generation Prime	KW	1500	1500	1800	1800
Engine Brand		Googol	Cummins	Googol	Perkins
Engine Model		QTA3240-G9	QSK60-G3	QTA4320-G5	4016-61TRG3
Displacement	liter	53.1	60.2	70.8	61.1
No. Cylinder		V12	V16	V16	V16
Bore * Stroke	mm	170*195	159*190	170*195	160*190
BEMP	bar	23.42	21.44	21.18	25.85
Speed	rpm	1500	1500	1500	1500
Prime Output	KW	1610	1730	1955	1957
Standby Output	KW	1766	1915	2163	2183
Power to Cylinder	KW	134.17	108.13	122.19	122.31
Rating Fuel Consumption	g/KW.h	195	195	194	205
Engine Dry Weight	kg	5050	7185	6250	5570
Engine Size	mm	3100*1460*1820	4000*1600*1980	3600*1460*1820	3350*1723*2128
Engine Volume	m3	8.237	12.672	9.566	12.283
Power to Weight	KW/kg	0.319	0.241	0.313	0.351
Power to Volume	KW/m³	195.45	136.52	204.37	159.33
Power to Displacement	kW/l	30.32	28.74	27.61	32.03
First Overhaul Time	Hours	25000-30000	15000-20000	25000-30000	15000-20000

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Solution for different application

- Diesel Power Plant
- Nature Gas & Bio-Gas Generator
- Middle Speed Generator
- Oil Field Drill Engine & Generator
- CHP & CCHP Power Plant
- Multi-Function Mobile Emergency Generator
- Transformer Substation
- LV/HV Distribution System
- Remote Monitor on line service at Honny Factory

APP Power Plant application



APP/IKPP- 3X3MW Power Plant
Location: Indonesia
Power Generator: 3X3MW



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APP Jingui- 5X3.2MW
Power Plant
Location: Guangxi, China
Power Generator: 5X3.2MW





APP/DSS- 5X3MW
Power Plant
Location: Indonesia
Power Generator: 1X3MW , 1X750KVA



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Arvandan Oil Filed-
8X3.2MW Power Plant
Location: Middle East
Power Generator:
8X3.2MW

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KIBING GLASS -
13X2MW 10.5kV
Diesel Generators



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China Nonferrous Metal Mining
Location: DR. Congo
Generator: 6×1200kW
Scope: DG, Panels
Voltage: 10.5kV
Frequency: 50Hz

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Transformer Substation



AKSAI Industry Park-Substation
Location: Kazakhstan
Capacity: 3150kVA, 0.4/10.5kV
Scope: Container Substation
Frequency: 50Hz







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CHP Power Plant Application



ZONALNOE CHP Plant
Location: Urup Island
Generator: 4*480kW, 6*200kW
Scope: DG, Container Substation, CHP
Frequency: 50Hz

Rental Power Application



Rental Power
Location: Indonesia
Generator: 22 * 400kW
5 * 1350kW
Frequency: 50Hz, 400V

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Construction Vessel for Sand



Construction Vessel for Sand: 11 Engines

4 * QTA3240

6 * PTA1340

1 * PTA780

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Dual Fuel Engines for Pumping station





Dual Fuel Engine For Pumping System: Middle East

2 * QTA3240BG1, 1200kW

3 * QTA4320BG1, 1600KW

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Natural Gas generator with CHP





Natural Gas Generator
with CHP
1000kW with JTA3240G3
Location: Shangdong

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Biogas generators with CHP





Biogas Generators with CHP
3X1000kW
Location: Wuhan

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Customer Application

- Power Generation
- Mining Plant Emergency Generation
- Power Plant Emergency & Black Start Generation
- Glass Manufacturing Emergency Supplying
- China Mobile Communication
- Hotel & Real Estate
- Hospital
- Bank & Data Center
- Cement & Building Material Manufacturing
- Factory Standby Generation
- Marine ship & Standby Generator
- Military Application
- Pump Driving

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Standard * Certificate * Patent

- ISO Standard: ISO9001, ISO14001, ISO 8528
- TUV Certificate
- SGS Certificate
- BV Certificate
- GOST Certificate
- CE Certificate
- 41 Patents

✓ Invention Patent: 6

✓ Utility Model Patent: 26

✓ Appearance Design Patent: 9

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