



Power Generators

“Let light come to be.”



- Composed of Cummins or Perkins diesel engine and Rhino, Stamford or Marathon alternator
- 50 Hz usually used in Africa, Europe, Asia
- 60Hz usually used in north America, Latin America
- Brushless, Self-excited, IP23, insulation class H alternator
- Key start panel control system as standard, digital auto-start panel is optional
- 8-hour operation base tank
- Optional open type or silent type
- All generator sets are gone through rigorous testing before being released to the market place, including 50% load, 75% load, 100% load , 110% load and all protection function (overspeed stop, high water temperature, low oil pressure, battery charging fail, emergency stop)

Cummins Engine 50Hz

Model	Prime Power KVA	Prime Power KWe	Engine Model	Max. Power Kw	Alternator Model
RG25-1	31	20	4B3.9G1	26	BCI 184E
RG40-1	50	32	4BT3.9G1	40	BCI 184J
RG60-1	75	48	4BTA3.9G2	55	UCI 224E
RG100-1	125	80	6BT5.9G2	100	UCI 274C
RG115-1	144	92	6BTA5.9G2	110	UCI 274D
RG140-1	175	112	6BTAA5.9G2	132	UCI 274E
RG180-1	225	144	6CTA8.3G2	180	UCI 274G
RG220-1	275	176	6CTAA8.3G2	207	UCI 274J
RG250-1	313	200	6LTAA8.9G2	243	UCI 274K
RG260-1	325	208	NT855-GA	254	HCI 444C
RG265-1	331	212	MTA11-G2A	257	HCI 444C
RG300-1	375	240	NTA855-G1A	291	HCI 444D
RG312-1	390	250	NTA855-G1B	321	HCI 444ES
RG320-1	400	256	MTAA11-G3	310	HCI 444ES
RG350-1	438	280	NTA855-G2A	343	HCI 444FS
RG365-1	456	292	NTA855-G4	351	HCI 444FS
RG375-1	469	300	NTAA855-G7A	407	HCI 544D
RG400-1	500	320	KTA19-G2	369	HCI 444F
RG450-1	563	360	KTA19-G3	448	HCI 544C
RG500-1	625	400	KTA19-G4	504	HCI 544D
RG580-1	725	464	KTA19-G8	575	HCI 544E
RG585-1	731	468	KTAA19-G5	555	HCI 544E
RG625-1	781	500	KTAA19-G6A	610	HCI 544FS
RG780-1	975	624	KTA38-G2	731	LVI 634C
RG800-1	1000	640	KTA38-G2B	789	LVI 634C
RG900-1	1125	720	KTA38-G2A	895	LVI 634D
RG1000-1	1250	800	KTA38-G5	970	LVI 634E
RG1125-1	1406	900	KTA38-G9	1089	LVI 634G
RG1250-1	1563	1000	KTA50-G3	1227	LVI 634G
RG1400-1	1750	1120	KTA50-G8	1429	PI 734B
RG1900-1	2375	1520	QSK60-G3	1790	PI 734E
RG2000-1	2500	1600	QSK60-G4	1915	PI 734F

Cummins Engine 60Hz

Model	Prime Power KVA	Prime Power KWe	Engine Model	Max. Power Kw	Alternator Model
RG25-2	29	23	4B3.9G1	30	PI 144E
RG38-2	44	35	4BT3.9G1	45	PI 144J
RG60-2	68	55	4BTA3.9G2	65	UCI 224E
RG100-2	115	92	6BT5.9G1	115	UCI 274C
RG120-2	136	109	6BTA5.9G2	132	UCI 274D
RG125-2	140	112	6BTAA5.9G2	140	UCI 274D
RG175-2	200	160	6CTA8.3G2	207	UCI 274F
RG200-2	225	180	6CTAA8.3G2	230	UCI 274G
RG250-2	281	225	6LTAA8.9G2	265	UCI 274J
RG280-2	313	250	NTA855-G1	317	HCI 444C
RG320-2	363	290	NTA855-G1B	347	HCI 444D
RG350-2	400	320	NTA-855-G3	399	HCI 444ES
RG385-2	438	350	KTA19-G2	448	HCI 444E
RG460-2	525	420	KTA19-G3	511	HCI 544C
RG515-2	588	470	KTA19-G4	563	HCI 544C
RG550-2	625	500	KTAA19-G5	605	HCI 544D
RG600-2	675	540	KTAA19-G8	658	HCI 544E
RG700-2	800	640	KT38-G	747	HCI 544F
RG825-2	938	750	KTA38-G2	895	HCI634G
RG935-2	1063	850	KTA38-G2A	1007	HCI634H
RG1035-2	1175	940	KTA38-G4	1112	HCI 634J
RG1140-2	1300	1040	KTA38-G9	1220	HCI 634K
RG1265-2	1438	1150	KTA50-G3	1380	LVI 634G

Single Phase

RG25-2MSC	29	23	4B3.9G1	30	PI 144J
RG25-2SC	29	23	4B3.9G2	30	PI 144J
RG38-2MSC	44	35	4BT3.9G1	45	UCI 224E
RG38-2SC	44	35	4BT3.9G2	45	UCI 224E
RG55-2SC	63	50	4BTA3.9G2	65	UCI 224G

Specifications may change without notice

Perkins Engine 50Hz

Model	Prime Power KVA	Prime Power KWe	Engine Model	Max. Power Kw	Alternator Model
RG9-1	11	7.2	403D-11G	39.3	BCI 164B
RG13-1	16	10.4	403D-15G	13.3	BCI 164C
RG20-1	25	16	404D-22G	20.3	BCI184E
RG27-1	34	21.6	404D-22TG	27	BCI 184F
RG30-1	38	24	1103A-33G	30.4	BCI 184G
RG45-1	56	36	1103A-33G1	45.6	UCI 224D
RG60-1	75	48	1103A-33TG2	59.3	UCI 224E
RG65-1	81	52	1104A-44TG1	64.3	UCI 224F
RG80-1	100	64	1104A-44TG2	79.1	UCI 224G
RG100-1	125	80	1104D-E44TAG2	99.5	UCI 274C
RG136-1	170	108.8	1006TAG	133.5	UCI 274E
RG150-1	188	120	1006TAG2	143	UCI 274F
RG185-1	231	148	1106C-E66TAG3	175.5	UCI 224G
RG200-1	250	160	1306C-E87TAG3	199	UCI 274H
RG230-1	288	184	1306C-E87TAG4	217	UCI 274J
RG250-1	313	200	1306C-E87TAG6	239	UCI 274K
RG350-1	438	280	2206-E13TAG2	349	HCI 444E
RG400-1	500	320	2206C-E13TAG3	392	HCI 444F
RG450-1	563	360	2506C-E13TAG3	435	HCI 544C
RG500-1	625	400	2506-E15TAG1	478	HCI 544D
RG600-1	750	480	2806A-E18TAG1	574	HCI 544E
RG650-1	813	520	2806A-E18TAG2	609	HCI 544F
RG730-1	913	584	4006-23TAG2A	685	LVI 634B
RG800-1	1000	640	4006-23TAG3A	760	LVI 634C
RG850-1	1063	680	4008TAG	787	LVI 634D
RG905-1	1131	724	4008TAG1A	839	LVI 634D
RG1022-1	1278	817.6	4008TAG2A	947	HCI 634J
RG1253-1	1566	1002.4	4012-46TWG2A	1166	PI 734A
RG1364-1	1705	1091.2	4012-46TWG3A	1263	PI 734B
RG1505-1	1881	1204	4012-46TAG2A	1395	PI 734C
RG1705-1	2131	1364	4012-46TAG3A	1579	PI 734E
RG1752-1	2190	1401.6	4016TAG	1607	PI 734E
RG1844-1	2305	1475.2	4014TAG1A	1690	PI 734E
RG2058-1	2573	1646.4	4016TAG2A	1886	PI 734F

Perkins Engine 60Hz

Model	Prime Power KVA	Prime Power KWe	Engine Model	Max. Power Kw	Alternator Model
RG10-2	11.4	9.1	403D-11G	11.4	PI044E
RG14-2	15.9	12.7	403D-15G	15.9	PI044G
RG20-2	22.7	18.2	404D-22G	23.9	PI144D
RG28-2	31.8	25.5	404D-22TG	32.6	PI144F
RG30-2	34.1	27.3	1103A-33G	35.4	PI144F
RG50-2	56.8	45.5	1103A-33G1	53.9	UCI224D
RG60-2	68	55	1103A-33TG2	67.5	UCI224E
RG65-2	74	59	1104A-44TG1	75.5	UCI224E
RG80-2	91	73	1104A-44TG2	90.2	UCI224F
RG100-2	114	91	1104D-E44TAG2	111	UCI274C
RG135-2	153	123	1006TAG	147	UCI274E
RG140-2	159	127	1106C-E66TAG2	155.3	UCI274E
RG150-2	170	136	1106C-E66TAG3	163.4	UCI274E
RG180-2	205	164	1106C-E66TAG4	196.3	UCI274F
RG200-2	227	182	1306C-E87TAG3	220	UCI274G
RG215-2	244	195	1306C-E87TAG4	235	UCI274H
RG350-2	398	318	2206A-E13TAG5	381	HCI444ES
RG400-2	455	364	2206A-E13TAG6	435	HCI444E
RG450-2	511	409	2506D-E15TAG1	490	HCI444F
RG500-2	568	455	2506C-E15TAG3	543	HCI544C
RG550-2	625	500	2806A-E18TAG1A	598	HCI544D
RG600-2	682	545	2806A-E18TAG3	652	HCI544E

Kubota Engine 60Hz

Model	Engine Model	Max. Power Kw
RG20K	V2203-M-E3BG	20
RG30k	V3300-M-E3BG	30
RG40K	V3600-T-E3BG	43.1

Rhino Engine 60Hz

Model	Engine Model	Max. Power Kw
RG16R	RHYND485D	18
RG20R	RHYND490D	22

Specifications may change without notice

Control System

1-Standard: RG170HC Key Start

Providing the standard functions as follows:

(Also can be made according to the customers special requirements)

- Start/ stop controller
- Ampere meter hour counter
- Voltmeter and selector switch
- Frequency meter / water temperature gauge/ oil pressure gauge/ Hour counter/ Battery voltage meter
- Emergency stop push button
- Alarm system: over speed, high engine temperature. low oil pressure, charge fail
- Protection system: Over speed, high engine temperature, low oil pressure, emergency stop and the other protection function pre-setting.

2- Option: Smartgen HGM6110 Digital Auto Start

3- Option: Smartgen HGM6120 Digital Auto Start (Option assembled with the ATS)

4-Option: Deep Sea DSE5210 Digital Auto Start

5-Option: Deep Sea DSE5220 Digital Auto Start (Option assembled with the ATS)

Digital Auto-start Generator controller integrating digital, intelligent and network techniques is used for automatic control system of diesel generator. It can carry out functions including automatic start/stop, data measure and alarming. Optionally assembled with the ATS, it can carry out auto-switching between the outer power and generating set power. (AMF)

Functions:

- Automatic Start/Stop
- 3 start attempts failure and Automatic Crank Disconnect
- Parameters display (V/A/Hz/Hour)
- Engine monitoring and protection
- Charge alternator exiting and Charge alternator fail alarm
- Running hour counting
- Setting can be adjustable via key buttons on front panel

6-Option: BGC-L

(Main used in multiple gen-sets, load sharing)



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