





YUCHAI GENSET POWER SELECTOR CHART

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DIESEL ENGINE UNREGULATED EMISSIONS RATING

2024V1

50Hz

Engine Model	Typical Generator Output				Gross Engine Output		Gov.
	Prime Power PRP		Standby Power ESP		Prime Power PRP	Standby Power ESP	
	kW	kVA	kW	kVA	kW		
■ 1500rpm(20kVA~550kVA)							
YC4V35-D20	16	20	17.6	22	23	25	ELEC
YC4V45Z-D20	24	30	26.4	33	30	33	ELEC
YC4V55Z-D20	32	40	35	44	38	42	ELEC
YC4V80Z-D20	40	50	50	63	55	60.5	ELEC
YC4D60-D21	32	40	35	44	40	44	ELEC
YC4D90Z-D21	50	62.5	55	69	60	66	ELEC
YC4A100Z-D20	58	72.5	64	80	70	73.5	ELEC
YC4A110Z-D20	64	80	70	88	77	85	ELEC
YC4A140L-D20	80	100	88	110	95	105	ELEC
YC4A180L-D20	100	125	110	138	120	132	ELEC
YC6B180L-D20	100	125	110	138	120	132	ELEC
YC6B205L-D20	120	150	132	165	138	152	ELEC
YC6A245L-D21	150	187.5	160	200	165	181	ELEC
YC6MK350L-D20	200	250	220	275	235	258.5	ELEC
YC6MK420L-D20	250	312.5	280	350	281	309	ELEC
YC6MJ500L-D20	300	375	320	400	334	367	ELEC
YC6T600L-D22	360	450	400	500	401	441	ELEC
YC6T660L-D20	400	500	440	550	441	485	ELEC

60Hz

Engine Model	Typical Generator Output				Gross Engine Output		Gov.
	Prime Power PRP		Standby Power ESP		Prime Power PRP	Standby Power ESP	
	kW	kVA	kW	kVA	kW		
■ 1800rpm(20kVA~550kVA)							
YC4V35-D21	16	20	17.6	22	25	27.5	ELEC
YC4V45Z-D21	24	30	26.4	33	33	36.3	ELEC
YC4V55Z-D21	32	40	35	44	40	44	ELEC
YC4V80Z-D21	40	50	44	55	55	60.5	ELEC
YC4D60Z-D20	40-48	50-60	50	63	55	60.5	ELEC
YC4D100Z-D20	50-55	62.5-68	60	76	66	72.6	ELEC
YC4A100Z-D21	58	72.5	64	80	70	73.5	ELEC
YC4A110Z-D21	64	80	70	88	77	85	ELEC
YC4A140L-D21	80	100	88	110	95	105	ELEC
YC4A180L-D21	100	125	110	138	120	132	ELEC
YC6B130Z-D20	75-80	93-100	90	113	88	97	ELEC
YC6B160Z-D20	90	112.5	100	125	107	118	ELEC
YC6B210L-D20	120	150	130	163	140	154	ELEC
YC6A245L-D20	144	180	160	200	165	181	ELEC
YC6MK360L-D20	200	250	220	275	240	264	ELEC
YC6MK420L-D21	250	312.5	275	344	312	350	ELEC
YC6MJ515L-D21	300	375	330	413	346	380	ELEC
YC6T660L-D21	400	500	440	550	441	485	ELEC

NOTES

- **Prime Power:** which corresponds to the basic power (PRP) described in ISO 8528. Implement the maintenance according to the Yuchai's requirement, maximum power of variable load continuous output unlimited time. The average output power shall not exceed 70% of the prime power in every 24 hours of operation.
- **Standby Power:** in correspondence with the emergency standby power (ESP) stated in ISO 8528. Implement the maintenance according to the Yuchai's requirement, maximum power at a variable load in the event of a main power network failure up to a maximum of 200 hours per year. The average output power shall not exceed 70% of the standby power in every 24 hours of operation.
- The engine power data stated in the table is the measured performance under the condition stated in ISO 8528-1 and ISO 3046.
- The power output of the generator unit is calculated according to the efficiency of the AC generator. Thus, it is for reference only.
- The kVA and kW values are converted as per standard power factor 0.8.
- The information mentioned above is the latest one, however, the relevant information may be altered after publication.

DIESEL ENGINE REGULATED EMISSIONS RATING
COMPLY WITH THE CHINA NON-ROAD TIER 3 AND ECE R96 STAGE III A OR 97/68 / EC

2024V1

50Hz

Engine Model	Typical Generator Output				Gross Engine Output		Gov.
	Prime Power PRP		Standby Power ESP		Prime Power PRP	Standby Power ESP	
	kW	kVA	kW	kVA	kW		
■ 1500rpm(20kVA~4125kVA)							
YCDV254FHZ-25	16	20	17.5	22	20	22	ECU
YCDV254FHZ-40	24	30	26.4	33	30	33	ECU
YCDV254FHZ-50	32	40	35	44	36.8	40.5	ECU
YC4D80-D34	45	56.25	50	63	53	59	ECU
YC4D90-D34	50	62.5	55	69	60	66	ECU
YC4D105-D34	60	75	64	80	70	77	ECU
YC4D120-D31	70	87.5	80	100	80	88	ECU
YC4D140-D31	80	100	90	113	95	105	ECU
YC4A165-D30	90	112.5	100	125	110	121	ECU
YC4A190-D30	110	137.5	120	150	125	138	ECU
YC6A205-D30	120	150	132	165	138	152	ECU
YC6A245-D30	144	180	160	200	165	181	ECU
YC6A275-D30	160	200	180	225	185	203	ECU
YCA08350-D30	200	250	220	275	235	259	ECU
YC6MK350-D30	200	250	220	275	235	259	ECU
YC6MK420-D30	250	312.5	275	344	281	309	ECU
YC6MK450-D30	280	350	/	/	301	331	ECU
YC6MJ500-D30	300	375	330	413	334	367	ECU
YC6MJ540-D30	320	400	352	440	365	402	ECU
YC6MJ540-D31	320	400	352	440	365	402	ECU
YC6MJ600-D30	360	450	400	500	401	441	ECU
YC6K520-D30	320	400	340	425	356	382	ECU
YC6K600-D30	360	450	/	/	401	441	ECU
YC6K660-D30	400	500	/	/	441	/	ECU
YC6T660-D31	400	500	440	550	441	485	ECU
YC6TD780-D31	450	562.5	500	625	520	572	ECU
YC6TD840-D31	500	625	550	688	561	616	ECU
YC6TD900-D31	550	687.5	600	750	605	665	ECU
YC6TD1000-D30	600	750	660	825	668	735	ECU
YC6TH1070-D31	650	812.5	710	888	715	787	ECU
YC6TH1220-D31	730	912.5	800	1000	815	897	ECU
YC6TH1320-D31	800	1000	900	1125	880	968	ECU
YC6C1020-D31	600	750	660	825	680	748	ECU
YC6C1070-D31	650	812.5	710	888	715	787	ECU
YC6C1220-D31	730	912.5	800	1000	815	897	ECU
YC6C1320-D31	800	1000	900	1125	880	968	ECU
YC6C1520-D31	900	1125	1000	1250	1016	1118	ECU
YC12VTD1350-D30	800	1000	900	1125	900	990	ECU
YC12VTD1500-D30	900	1125	1000	1250	1000	1100	ECU
YC12VTD1680-D30	1000	1250	1100	1375	1120	1230	ECU
YC12VTD1830-D30	1100	1375	1200	1500	1220	1342	ECU
YC12VTD2000-D30	1200	1500	1300	1625	1345	1480	ECU
YC16VTD2270-D30	1350	1687.5	1500	1875	1520	1672	ECU
YC16VTD2510-D30	1500	1875	1650	2063	1680	1850	ECU
YC16VTD2700-D30	1600	2000	1800	2250	1805	1985	ECU
YC12VC3000-D30	1800	2250	2000	2500	2005	2206	ECU
YC16VC3000-D31	1800	2250	2000	2500	2005	2206	ECU
YC16VC3300-D31	2000	2500	2200	2750	2205	2426	ECU
YC16VC3600-D31	2200	2750	2400	3000	2405	2646	ECU
YC16VC4000-D31	2400	3000	2600	3250	2673	2940	ECU
YC16VC4200-D30	2500	3125	2800	3500	2808	3089	ECU
YC16VC4500-D30	2700	3375	3000	3750	3010	3311	ECU
YC16VC4900-D30	3000	3750	3300	4125	3280	3608	ECU

60Hz

Engine Model	Typical Generator Output				Gross Engine Output		Gov.
	Prime Power PRP		Standby Power ESP		Prime Power PRP	Standby Power ESP	
	kW	kVA	kW	kVA	kW		
■ 1800rpm(110kVA~2250kVA)							
YC4D140-D33	80	100	90	113	95	105	ECU
YC4D155-D33	90	112.5	100	125	103	113	ECU
YC4D180-D33	100	125	110	138	120	132	ECU
YC4A205-D32	120	150	132	165	138	152	ECU
YC6A245-D32	150	187.5	160	200	165	181	ECU
YC6A285-D32	160	200	180	225	190	209	ECU
YC6A305-D32	176	220	190	238	203	223	ECU
YC6MK360-D30	200	250	220	275	240	264	ECU
YC6MK420-D31	250	312.5	275	344	281	309	ECU
YC6K500-D32	300	375	320	400	335	370	ECU
YC6K570-D32	350	437.5	/	/	389	420	ECU
YC6TD780-D32	450	562.5	500	625	520	572	ECU
YC6TD840-D32	500	625	550	688	561	616	ECU
YC6TD940-D32	550	687.5	600	750	628	691	ECU
YC6TD1020-D32	600	750	660	825	680	748	ECU
YC12VTD1350-D32	800	1000	900	1125	900	990	ECU
YC12VTD1500-D32	900	1125	1000	1250	1000	1100	ECU
YC12VTD1680-D32	1000	1250	1100	1375	1120	1232	ECU
YC12VTD1860-D32	1100	1375	1200	1500	1240	1364	ECU
YC12VTD2070-D32	1200	1500	1300	1625	1380	1520	ECU
YC16VTD2270-D32	1350	1687.5	1500	1875	1520	1672	ECU
YC16VTD2510-D32	1500	1875	1650	2063	1680	1850	ECU
YC16VTD2700-D32	1600	2000	1800	2250	1805	1985	ECU