



**INNOVATION.
PRECISION.
TRUST.**

**DIESEL
GENSET ENGINES
SELECTION CHART**

2025

50Hz STAGE-II & STAGE-III REGULATED ENGINES ESP/PRP

Engine Model	Gross Engine Output 50Hz		Typical Generator Output 50Hz			50/60Hz dual speed	Engine displ. and layout		Flywheel		Governor type	Aspiration	Voltage DC V	EMISSION CLASS
	PRP kWm	ESP kWm	PRP kWe	PRP kVA	ESP kVA		Displ.	Cylind.	Housing	Flywheel				
D22R2-MP-EN-425	23	25	16	20	22	YES	2.5L	L4	SAE 4	7.5"	Electronic	N	12	II
D33R2-MP-ET-425	30	33	24	30	33	YES	2.5L	L4	SAE 3	11.5"	Electronic	T	12	II
D44R2-MP-ET-425	38	42	32	40	44	YES	2.5L	L4	SAE 3	11.5"	Electronic	T	12	II
D69R2-MP-ET-442	60	66	50	63	69	YES	4.2L	L4	SAE 3	11.5"	Electronic	T	12	II
D88R2-MP-ET-448	77	85	64	80	88	NA	4.8L	L4	SAE 3	11.5"	Electronic	T	12	II
D110R2-MP-ETA-448	95	105	80	100	110	NA	4.8L	L4	SAE 3	11.5"	Electronic	TA	12	II
D138R2-MP-ETA-448	120	132	100	125	138	YES	4.8L	L4	SAE 3	11.5"	Electronic	TA	12	II
D165R2-MP-ETA-669	138	152	120	150	165	YES	6.9L	L6	SAE 2/3	11.5"	Electronic	TA	12	II
D225R2-MP-ETA-610	192	211	160	200	225	NA	10L	L6	SAE 1	14"	Electronic	TA	24	II
D275R2-MP-ETA-610	235	258	200	250	275	YES	10L	L6	SAE 1	14"	Electronic	TA	24	II
D350R2-MP-ETA-610	281	309	255	318	350	YES	10L	L6	SAE 1	14"	Electronic	TA	24	II
D400R2-MP-ETA-612	336	369	300	375	412	YES	11.7L	L6	SAE 1	14"	Electronic	TA	24	II
D450R3-CR-TA-612	365	402	324	405	450	NA	11.7L	L6	SAE 1	14"	ECU	CR-TA	24	IIIA
D500R3-CR-TA-612	401	441	360	450	500	NA	11.7L	L6	SAE 1	14"	ECU	CR-TA	24	IIIA
D550R3-CR-TA-613	441	485	400	500	550	NA	12.9L	L6	SAE 1	14"	ECU	CR-TA	24	IIIA
D688R3-EP-TA-620	561	617	500	625	688	YES	20L	L6	SAE 1	14"	ECU	EP-TA	24	III
D750R3-EP-TA-620	605	666	545	682	750	NA	20L	L6	SAE 1	14"	ECU	EP-TA	24	III
D825R3-CR-TA-620	668	735	600	750	825	NA	20L	L6	SAE 1	14"	ECU	CR-TA	24	III
D900R3-EP-TA-628	715	786	645	816	900	YES	28L	L6	SAE 0	18"	ECU	EP-TA	24	III
D1000R3-EP-TA-628	815	897	730	912	1000	YES	28L	L6	SAE 0	18"	ECU	EP-TA	24	III
D1125R3-EP-TA-628	880	968	800	1000	1125	YES	28L	L6	SAE 0	18"	ECU	EP-TA	24	III
D1250V3-CR-TA-1240	1000	1100	900	1125	1250	YES	40L	V12	SAE 0	18"	ECU	CR-TA	24	III
D1375V3-CR-TA-1240	1120	1232	1000	1250	1375	YES	40L	V12	SAE 0	18"	ECU	CR-TA	24	III
D1500V3-CR-TA-1240	1220	1342	1100	1375	1500	YES	40L	V12	SAE 0	18"	ECU	CR-TA	24	III
D1650V3-CR-TA-1240	1285	1413	1200	1500	1650	YES	40L	V12	SAE 0	18"	ECU	CR-TA	24	III
D1900V3-CR-TA-1652	1520	1672	1400	1750	1875	YES	52L	V16	SAE 0	18"	ECU	CR-TA	24	III
D2063V3-CR-TA-1652	1680	1848	1500	1875	2063	YES	52L	V16	SAE 0	18"	ECU	CR-TA	24	III
D2250V3-CR-TA-1652	1805	1985	1600	2000	2250	NA	52L	V16	SAE 0	18"	ECU	CR-TA	24	III
D2500V3-EP-TA-16105	2005	2206	1800	2250	2500	NA	105.5L	V16	SAE 00	21"	ECU	EP-TA	24	III
D2750V3-EP-TA-16105	2205	2426	2000	2500	2750	NA	105.5L	V16	SAE 00	21"	ECU	EP-TA	24	III
D3000V3-EP-TA-16105	2405	2646	2200	2750	3000	NA	105.5L	V16	SAE 00	21"	ECU	EP-TA	24	III
D3250V3-EP-TA-16105	2673	2940	2400	3000	3250	NA	105.5L	V16	SAE 00	21"	ECU	EP-TA	24	III
D3500V3-CR-TA-16105	2808	3089	2500	3125	3500	NA	105.5L	V16	SAE 00	21"	ECU	CR-TA	24	III
D3750V3-CR-TA-16105	3010	3311	2700	3375	3750	NA	105.5L	V16	SAE 00	21"	ECU	CR-TA	24	III
D4125V3-CR-TA-16105	3280	3608	3000	3750	4125	NA	105.5L	V16	SAE 00	21"	ECU	CR-TA	24	III

50Hz STAGE-V REGULATED ENGINES ESP/PRP

Engine Model	Gross Engine Output 50Hz		Typical Generator Output 50Hz			50/60Hz dual speed	Engine displ. and layout		Flywheel		Governor type	Aspiration	Voltage DC V	AFTERTREATMENT
	PRP kWm	ESP kWm	PRP kWe	PRP kVA	ESP kVA		Displ.	Cylind.	Housing	Flywheel				
D22R5-CR-TA-425	20	22	16	20	22	YES	2.5 L	L4	SAE 4	7.5"	ECU	TA	12/24	EGR+DOC+DPF
D40R5-CR-TA-425	37	41	30	38	40	YES	2.5 L	L4	SAE 4	7.5"	ECU	TA	12/24	EGR+DOC+DPF
D80R5-CR-TA-448	74	81	60	75	80	YES	4.8 L	L4	SAE 3	11.5"	ECU	TA	24	DOC+DPF+SCR
D110R5-CR-TA-448	95	105	80	100	110	YES	4.8 L	L4	SAE 3	11.5"	ECU	TA	24	DOC+DPF+SCR
D150R5-CR-TA-448	125	138	110	138	150	YES	4.8 L	L4	SAE 3	11.5"	ECU	TA	24	DOC+DPF+SCR
D200R5-CR-TA-675	175	192	150	188	200	YES	7.5 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D250R5-CR-TA-675	210	231	184	230	250	YES	7.5 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D275R5-CR-TA-675	235	259	200	250	275	YES	7.5 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D344R5-CR-TA-610	291	320	250	313	344	YES	10.3 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D375R5-CR-TA-610	320	352	280	350	375	YES	10.3 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D425R5-CR-TA-612	370	407	320	400	425	YES	11.7 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR
D500R5-CR-TA-612	441	401	360	450	500	YES	11.7 L	L6	SAE 1	14"	ECU	TA	24	DOC+DPF+SCR

POWER DEFINITIONS:

ESP = STANDBY POWER

According to ISO8528 is maximum power available during variable electrical power sequence up to 200h of operation per year, permissible output over 24h operation should not exceed 70% ESP

PRP = PRIME POWER

According to ISO8528 is maximum power engine can deliver continuously for unlimited number of hours per year permissible output over 24h operation should not exceed 70% PRP

NOTES:

Electrical output is based on assumed alternator efficiency for guidance only kVA figures are calculated using 0.8 Power Factor

All ratings data are based on operation under ISO-8528-1 and ISO3046

Emission classes are certified according to EU NRMM, CH T3, ECE R96 directives

REMARKS:

Performance tolerance is +/-5% based on typical fan size and ratio. Please refer to the specific engine data sheet for more information.

The standard scope of YUCHAI Genset engine includes engine, standard radiator with pusher fan, air cleaner and electronic governor or ECU.

All information contained with this document was correct at the time of printing and may be subject to change.

ABBREVIATIONS:

N - natural aspirated
T - turbocharged engine
TA - turbocharged and aftercooled engine