

4DX Engine

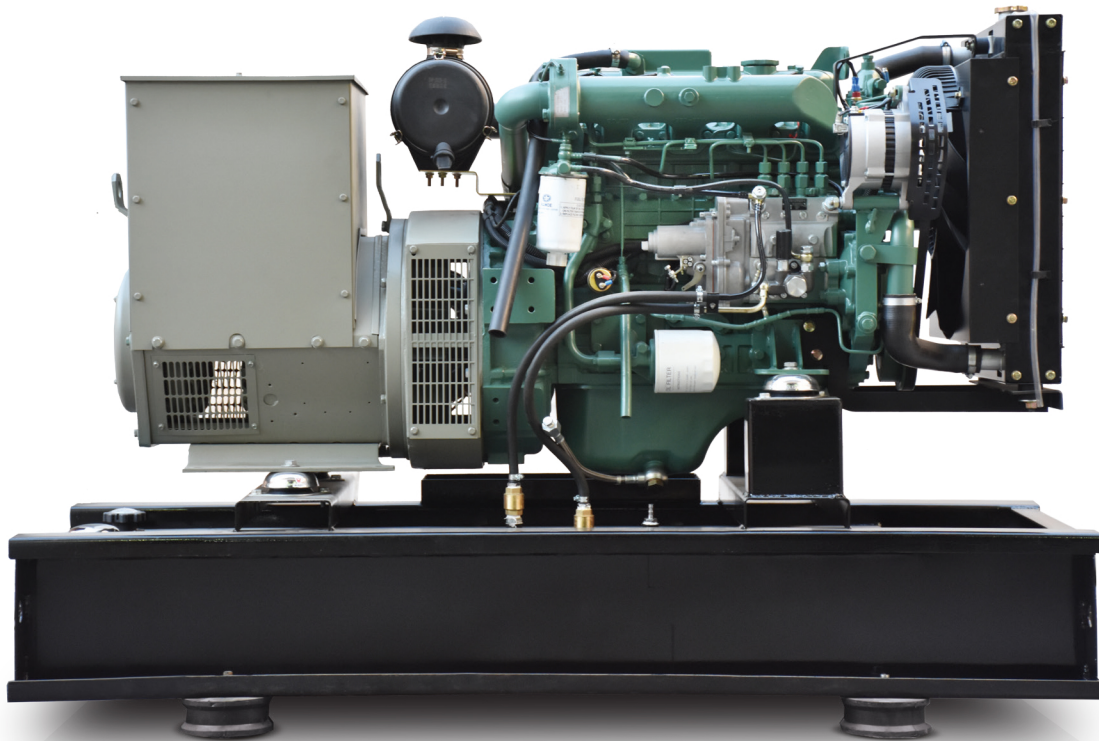
4DX 21-45 D
4DX 22-50 D
4DX 23-65 D

→ 4DX Engine Technical Data

Engine model	4DX 21-45 D	4DX 22-50 D	4DX 23-65 D
Type	In Line , 4 Cylinder , 4 Stroke		
Air Intake Type	Natural	Turbocharged	Turbo & Intercooling
Cooling Mode	Water Cooling	Water Cooling	Water Cooling
Governor Mode	Electronic	Electronic	Electronic
Bore x Stroke (mm)	102 x 118	102 x 118	102 x 118
Compression Ratio	17:1	17:1	17:1
Rated Speed (rpm)	1500	1500	1500
Displacement (Liter)	3.86	3.86	3.86
Prime Power (KW)	33	37	48
Standby Power (KW)	36	41	53
Oil Consumption (L/h)	0.06	0.05	0.05
Steady state Speed Regulation (%)	≤5	≤5	≤5
Oil Capacity including filter (Liter)	12.5	13	13
Emission Compliant	Stage II	Stage II	Stage II
Flywheel Hosing Type and Size	SAE 3	SAE 3	SAE 3
Dry Weight of Base (Kg)	350	380	380
Dry Weight of Gen Pac (Kg)	375	405	410
	L x W x H (mm)		
Overall Dimension (Base)	810 x 680 x 800	810 x 700 x 850	810 x 700 x 850
Overall Dimension (Gen Pac)	1155 x 680 x 835	1155 x 680 x 835	1480 x 705 x 900
°27C Air Consumption (m³/min)	2.6	3.2	3.9
Heat Rejection Of Exhaust (Kw)	34.5	36.4	43.5
Exhaust Gas Temp after turbine (°C)	580	480	480
Exhaust Gas Flow (m³/min)	8.3	8.4	10.4
Heat Rejection From Engine (Kw)	2	2.6	3.3
Heat Rejection of Coolant (Kw)	21.5	24.1	29
Alternator	28 V (35A)	28 V (35A)	28 V (35A)
Starter Motor	24 V (4.5KW)	24 V (4.5KW)	24 V (4.5KW)

45-72 KVA

Genset Model	Engine Model	Alternator Model							Dimension			Weight (Kg)
			Prime (KVA)/40C	Standby (KVA)/40C	Standby (KVA)/27C	Circuit Breaker (Amp)	Fuel Tank (L)	Consumption %75(L/h)	Length (mm)	Width (mm)	Height (mm)	
REP45	4DX21 - 45D	TWG II 184J	42.5	45	47.5	50	170	7.8	1800	700	1250	800
REP50	4DX22 - 50D	TWG II 224C	50	52.5	55	63	170	8.2	1800	900	1300	880
REP72	4DX23 - 65D	TWG II 224E	72.5	77.5	80	100	170	11	2000	900	1300	920



45-72 KVA

