

EHD Components

EHD Components 2005 (Pty) Ltd

E-mail:

JHB: ehd@ehd.co.za

CPT: ehdcapetown@ehd.co.za

DBN: ehd.dbn@ehd.co.za

BLOEM: ehdbloem@ehd.co.za

Contact Number:

JHB: +27 (0)11 870 5000

CPT: +27 (0)21 510 0567

DBN: +27 (0)31 700 1160

BLOEM: +27 (0)51 430 5404

4DX Engine

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Disclaimer

Manufacturer's names, numbers, symbols, photos and descriptions are used for reference purposes only and it is not implied that the parts referred to are the products of those manufacturers

Source: www.ehd.co.za

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Engine model	4DX21-45D	4DX22-50D	4DX23-65D
Type	in line 4-cylinder 4-stroke		
Air intake type	Natural	Turbocharged	Turbo&intercooling
Cooling mode	Water cooling		
Governor mode	Mechanical or electronic		
Bore x Stroke (mm)	102x118		
Compression ratio	17.1		
Rated speed (rpm)	1500		
Displacement (L)	3.86		
Prime power(without fan) (kW)	33	37	48
Standby power(without fan) (kW)	36	41	53
Fuel consumption (L/h)	9.03	10.73	12.28
Oil consumption (L/h)	0.06	0.05	0.05
Steady state speed regulation (%)	≤5	≤5	≤5
Oil capacity including filter (L)	12.5	13	13
Emission	Stage II		
The flywheel shell interface	SAE3		
	Flywheel for 11.5" flexible coupling		
Dry weight of base (kg)	350	380	380
Dry weight of Gen Pac (kg)	375	405	410
Overall dimension(base) (mm)	810x680x800	810x700x850	
Overall dimension(G.P) (mm)	115x680x835		1480x705x900
Fan consumption (kW)	2	2.5	3
27°C air consumption (m³/min)	2.6	3.2	3.9
Heat rejection of exhaust (kW)	34.5	36.4	43.5
Exhaust gas temperature 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
Base configuration	Standard configuration (add on the base)		
Engine with fan	Intake and exhaust system:		
	Air filter and connecting pipes;		
Alternator 35A 28V	Connecting flang of exhaust pipe		
Starter motor 4.5kW 24V	Cooling system: Radiator with connecting pipes;		
	Fan guard; Belt guard		

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