

EHD Components

# EHD Components 2005 (Pty) Ltd

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4DW Engine

## 4DW Engine

## 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](http://www.ehd.co.za)**

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Engine model	4DW81-23D	4DW91-29D	4DW92-35D	4DW93-42D
Type	in line 4-cylinder 4-stroke			
Air intake type	Natural	Natural	Turbocharged	Turbo&intercool
Cooling mode	Water cooling			
Governor mode	Mechanical or electronic			
Bore x Stroke (mm)	85x100	90x100		
Compression ratio	17.1			
Rated speed (rpm)	1500			
Displacement (L)	2.27	2.54		
Prime power(without fan) (kW)	17	21	26	31
Standby power(without fan) (kW)	19	23	29	34
Fuel consumption (L/h)	4.85	6	7.11	8
Oil consumption (L/h)	0.05	0.05	0.04	0.04
Steady state speed regulation (%)	≤5	≤5	≤5	≤5
Oil capacity including filter (L)	7.8	8	8	8
Emission	Stage II			
The flywheel shell interface	SAE4			
	Flywheel for 7.5" & 10" flexible coupling			
Dry weight of base (kg)	220	220	240	240
Dry weight of Gen Pac (kg)	240	240	260	280
Overall dimension(base) (mm)	750x555x680	750x555x680	750x600x735	
Overall dimension(G.P) (mm)	920x610x760		1120x810x760	
Fan consumption (kW)	1.2	1.6	1.8	2
27°C air consumption (m³/min)	1.4	1.7	2.1	2.4
Heat rejection of exhaust (kW)	17.2	17.4	20.6	23.1
Exhaust gas temperature after turbine (°C)	550	450	450	450
Exhaust gas flow (m³/min)	4.2	4.6	5.9	6.7
Heat rejection from engine (kW)	1.1	1.3	1.6	1.9
Heat rejection of coolant (kW)	11	13.7	16.9	17.1
Base configuration	Standard configuration (add on the base)			
Engine with fan	Intake and exhaust system: Air filter and connecting pipes;			
Alternator 500W 14V	Connecting flang of exhaust pipe			
Starter motor 3.5kW 12V	Cooling system: Radiator with connecting pipes;			
	Fan guard; Belt guard			

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