

# EHD Components 2005 (Pty) Ltd

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Diesel engine Yangdong

## Diesel engine Yangdong

Model	Y385				YND485Q	
Type	Vertical, water-cooling, four-stroke, vortex				Vertical, water-cooling, four stroke, direct injection chamber	
Number of cylinders	3				4	
Bore (mm)	85				85	
Stroke (mm)	90				95	
Compression ratio	22				18	
Total displacement	1.532				2.156	
Firing order	1.-3.-2.				1-3-4-2	
Rated power (kW)	19.2~24				29.4~36	
Rated speed (r/min)	2400~3000				2600-3200	
Max.torque (N.m)	≥84				≥118.2	
Min.specific fuel consumption at full load (L/h)	<b>6.1</b>				<b>8.65</b>	
Specific lube oil consumption (g/kw.h)	2.72				2.72	
Advance angle of supply fuel/	10±1/3000				12±1/≥2800	
speed (before TDC)(°)/r/min	(with Advance Device)	18±1/2800	16±1/2600	15±1/2400	(with Advance Device)	18±1/2600
Injection Pressure	13.2±0.5				19.6	
Direction of crankshaft rotation (facing to flywheel)	Counterclockwise				Counterclockwise	
Cooling method	Forced water Cooling				Forced water cooling	
Starting method	Electric				Electric	
Net mass (kg)	165				195	
Overall dimensions (LxWxH)(mm)	587x494x610				687x494x623	

## 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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Designation		Specification	
		Y385	YND485Q
Fuel Injection Pump	Type	I Pump	BQ Pump
	Governor	All-speed, Mechanical Centrifugal	
	Plunger Diameter (mm)	7	7.5
	Fuel Delivery Pump	Single-Acting Piston Type	
Fuel Injector	Model	P21	PF68509
	Nozzle Set	Single hole, Pintle-type, ZS4SI	ZCK154S425
	Diameter of Nozzle Hole(mm)	1	4-0.25
	Injection Pressure(Mpa)	13.2±0.5	19.6
Lube Pump	Type	Rotor	Gear
	Speed(rpm)	1300	2748
	Capacity(L/min)	18	22.4
	Pressure(Kpa)	0.4	
Water Pump	Type	Centrifugal, Volute, Single-suction	
	Speed(rpm)	3000	4000
	Capacity(L/min)	80	160
	Lift(m)	5	8
Starting Motor	Type	Series DC Motor	
	Model	QD1322C,QD1315A,D138Y	QD1315A, D138Y
	Voltage(V)	12	
	Power(kW)	1.8 or 2.5	25
Dynamo	Type	Silicon Rectifying Shunt Dynamo	
	Model	JF11	
	Power(W)	350	
	Voltage(V)	14	
Fuel Filter	Type	Single Stage, Paper Element	
	Model	C0506A	
Lube Oil Filter	Type	Single Stage, Paper Element	
	Model	J0708	J0810H
Air Filter	Type	Single Stage, Paper Element	
	Model	K1317A	
Electrothermic Plug	Type	Shrouded	No Accessory
	Model	10/12/1965	

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