



COMPONENTS 2005

(PTY) LTD

t/a ENGINE & HEAVY DUTY COMPONENTS

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DURBAN

Tel: +27 (0)31 700 1160
 Unit 3, Hillmax
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YND485Q

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

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Designation		YND485Q
Fuel Injection Pump	Type	BQ Pump
	Governor	All-speed, Mechanical Centrifugal
	Plunger Diameter (mm)	7.5
	Fuel Delivery Pump	Single-Acting Piston Type
Fuel Injector	Model	PF68509
	Nozzle Set	ZCK154S425
	Diameter of Nozzle Hole(mm)	4-0.25
	Injection Pressure(Mpa)	19.6
Lube Pump	Type	Gear
	Speed(rpm)	2748
	Capacity(L/min)	22.4
	Pressure(Kpa)	0.4
Water Pump	Type	Centrifugal, Volute, Single-suction
	Speed(rpm)	4000
	Capacity(L/min)	160
	Lift(m)	8
Starting Motor	Type	Series DC Motor
	Model	QD1315A, D138Y
	Voltage(V)	12
	Power(kW)	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	J0810H
Air Filter	Type	Single Stage, Paper Element
	Model	K1317A
Electrothermic Plug	Type	No Accessory
	Model	

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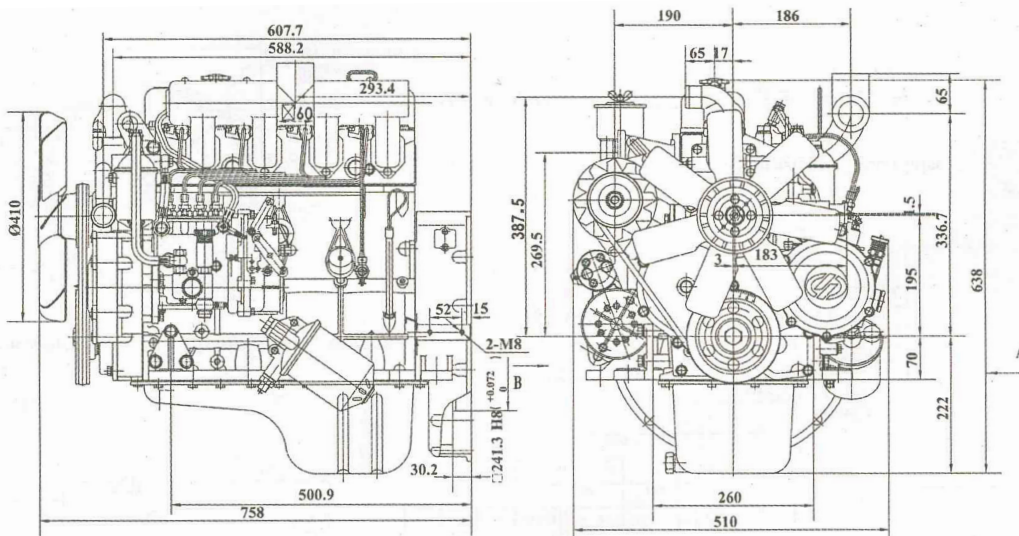
Tel: +27 (0)51 430 5404
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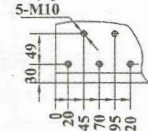
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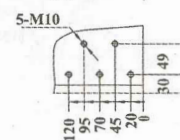
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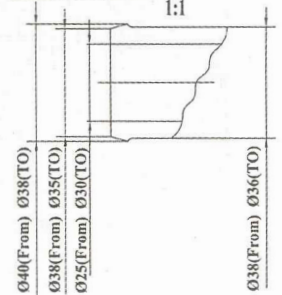
View A (cylinder block)



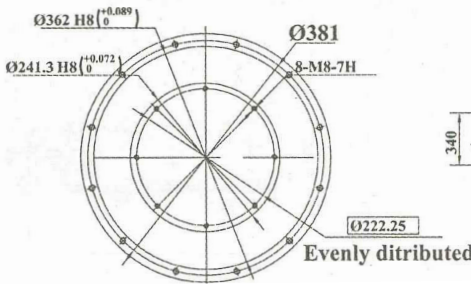
View B (cylinder block)



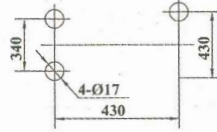
Dimensions of water inlet and outlet



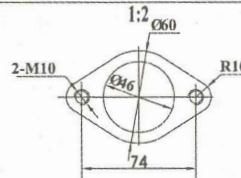
Connecting dimensions of flywheel and its housing



Front of cylinder block
 Rear of cylinder block



Dimensions of exhaust outlet centerline



Crankshaft centerline

Flywheelhousing / Flywheel SAE4/7.5

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