

**COMPONENTS 2005****(PTY) LTD****t/a ENGINE & HEAVY DUTY COMPONENTS****HEAD OFFICE JOHANNESBURG**

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**Y385**

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

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Designation		Y385
Fuel Injection Pump	Type	I Pump
	Governor	All-speed, Mechanical Centrifugal
	Plunger Diameter (mm)	7
	Fuel Delivery Pump	Single-Acting Piston Type
Fuel Injector	Model	P21
	Nozzle Set	Single hole, Pintle-type, ZS4SI
	Diameter of Nozzle Hole(mm)	1
	Injection Pressure(Mpa)	13.2±0.5
Lube Pump	Type	Rotor
	Speed(rpm)	1300
	Capacity(L/min)	18
	Pressure(Kpa)	0.4
Water Pump	Type	Centrifugal, Volute, Single-suction
	Speed(rpm)	3000
	Capacity(L/min)	80
	Lift(m)	5
Starting Motor	Type	Series DC Motor
	Model	QD1322C,QD1315A,D138Y
	Voltage(V)	12
	Power(kW)	1.8 or 2.5
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
Air Filter	Type	Single Stage, Paper Element
	Model	K1317A
Electrothermic Plug	Type	Shrouded
	Model	10/12/1965

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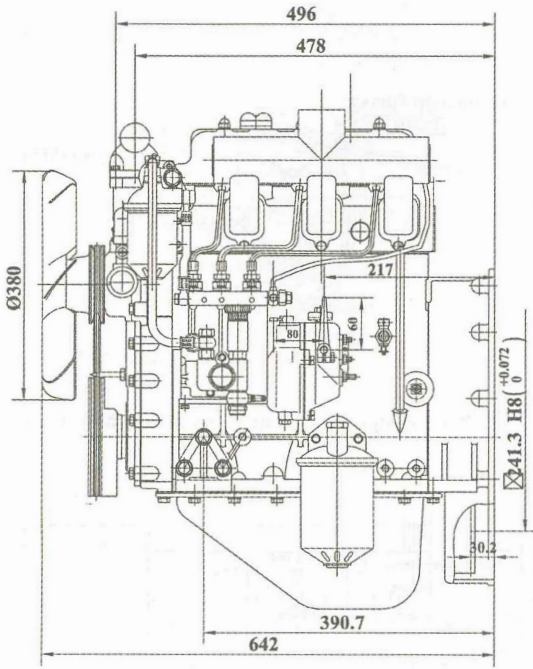
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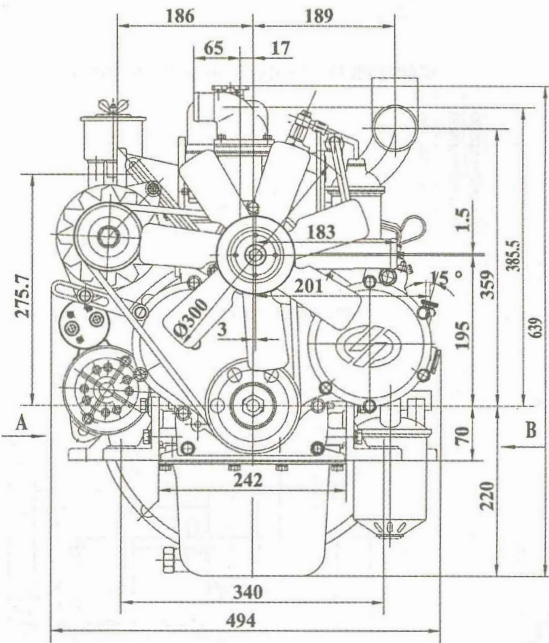
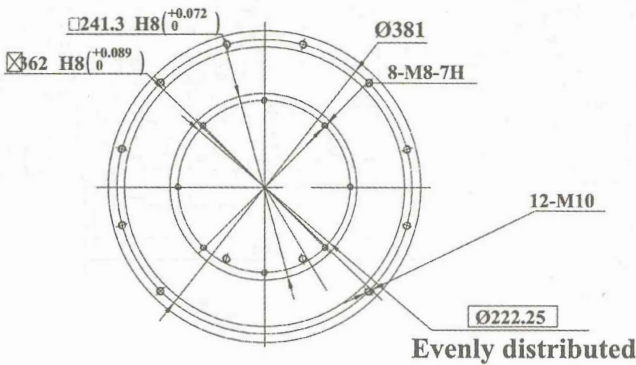
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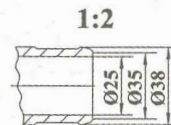
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Connecting dimensions of flywheel and its housing

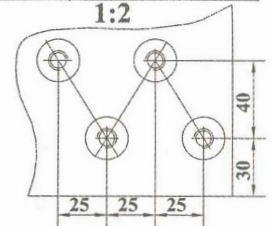


Dimensions of water inlet and outlet

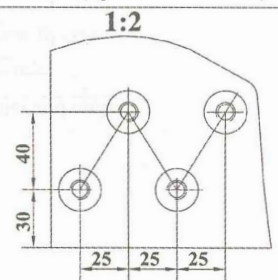


Flywheelhousing/flywheel:SAE4/7.5

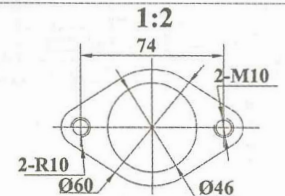
View A(cylinder block)



View B(cylinder block)



Dimensions of exhaust outlet



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