

# SPECIFICATIONS

Model	DY 300	DY 300S	DY 350	DY 300S	DY 410	DY 410S
Type						
Piston Displacement (cc)	296	348	348	472	472	472
Compressor Flared Output (PSI/MPa)	5/3.000	6.3.000	6.3.000	8.8/3.000	7/3.000	7.5/3.000
Maximum Output (PS/HP)	6.3.000	6.3.3.000	7/3.000	7.8/3.000	8/3.000	8.5/3.000
Direction of Rotation	Counterclockwise as viewed from P.T.O. shaft side					
Lubricant	Public Genuine Oil or Diesel Engine Oil (For details see page 5.1) Diesel Light Oil LHS 42)					
Fuel Tank Capacity (liters)	4.5					
Injection Pump	Diesel K(K) K.K. PFR1K095/2NP1					
Injection Nozzle	Diesel K(K) K.K. DLLA150P/090					
Lighting Capacity	—	12V 30W	—	12V 30W	—	12V 30W
Starting System	Starting by Hand Cranking	Electric Starter	Starting by Hand Cranking	Electric Starter	Starting by Hand Cranking	Electric Starter
Dry Weight (kg)	41	50	41.5	50.5	45	53
Dimensions LA/W/H (mm)	386 x 370 x 450	385 x 404 x 450	386 x 370 x 450	386 x 404 x 450	386 x 370 x 478	386 x 404 x 478

Specifications are subject to change without notice.

### OPTIONAL PARTS

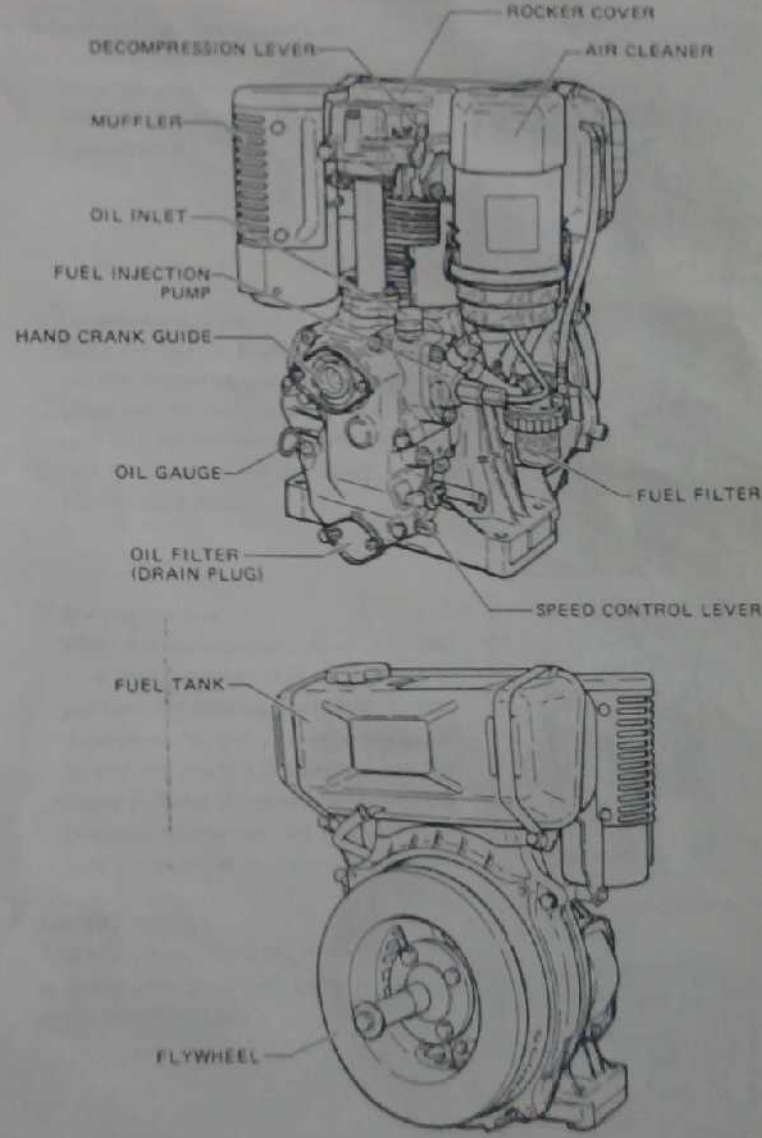
P.T.O. shaft & adaptor for generator  
P.T.O. shaft & adaptor for pump  
Thecrite wire  
One tooth speed control lever  
Flywheel cover (Dew-proof cover is also available.)

Handle bracket  
Libdraft (Downdraft) muffler with tail pipe  
Large capacity fuel tank (15 liter, 3.95 U.S. gal.)  
Lighting coil

### FACTORY INSTALLED OPTIONAL PARTS

1. Electric starter  
2. Dynamic balancer

# NOMENCLATURE



## PREPARATIONS BEFORE STARTING THE ENGINE.

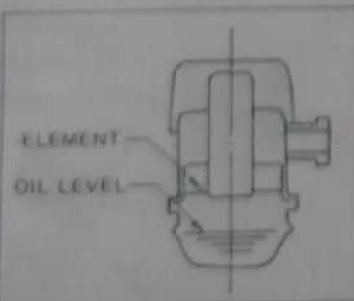
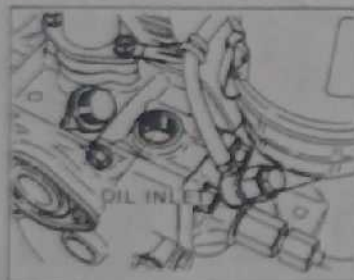
### 1. Filling engine oil.

\*Place the engine horizontally and pour oil up to upper level of oil gauge (approx. 1.0 liter).

\*Use diesel engine oil with the viscosity of:

	Temperature	SAE
Spring—summer	10° — 40°C	SAE#30
Autumn—winter	-10° — 10°C	SAE#20
In very cold climates below -10°C		SAE#10W-30

Oil grades of "CC" (API Rank) or higher (previously "DM") are recommended. Inferior quality engine oil and lack of oil may cause piston seizure.



### 2. Filling diesel light oil in fuel tank.

\*Use automobile light oil (JIS#2).

\*Fuel tank capacity is 4.5 liters.

\*If fuel is spilled while refilling, wipe off thoroughly before starting.

\*Let out the air inside of the engine. (Refer to page 16.)

\*Stop engine first, then refill fuel.

\*Fuel should be clean and transparent. Fuel around the bottom of drum contains dirt, impurities and water. If contaminated fuel is used, the fuel injection pump and nozzle may become plugged.

\*Refill fuel in tank before it becomes empty.

**Filling oil in air cleaner (for oil bath cleaner type).**

Pour oil up to the specified level in oil pan. Use the engine oil specified above 1.

### 4. Operating the decompression lever.

#### 1) Operating position

When the decompression lever is set upside down, it is at the operating position (compressing).



#### 2) Decompressing position

When the lever is tilted upward, it is at the decompressing position. (A clicking sound will be heard, when it reaches the position.) At this position automatic motion is suspended making nozzle and air vent checking easy.



#### 3) Starting position

When the decompression lever is pushed to a level position, it is at the starting position. By rotating the starter handle, decompression lever revolves automatically and will reach a compressed position (turns 9 times). Between the starting and compressing position, the decompression lever can be set at an appropriate position.



### 5. Inspect battery.

Check battery electrolyte, if the liquid level is lower than the level mark, fill distilled water into the battery.

