

DYNAPAC CONCRETE EQUIPMENT

AM19 Petrol Drive unit



INSTRUCTIONS&SPARE PARTS CATALOGUE

AM19 - IS - 10501 - 5 - ENG

DYNAPAC

SAFETY INSTRUCTIONS

- **MACHINES SUBMITTED**: Powered with : Electric, Pneumatic, Petrol or Diesel engine.

- **SYMBOLS**: The words **WARNING** and **CAUTION** used in safety instructions, have the following meanings :
WARNING indicates hazards or hazardous procedures which could result in serious injury or death , if the **WARNING** is not observed.
CAUTION indicates hazards or hazardous procedures which could result in injury or damage to equipment if the **WARNING** is not observed.

- **IMPORTANT RULES FOR YOUR SAFETY**:



WARNING

The machine must not be modified without prior consent of the manufacturer. Use only original parts. If modifications are made without prior consent of the manufacturer there is a risk of serious injury to the personal.

- These safety recommendations have been compiled from international safety standards. Local regulations must also be checked and observed. Before using the machine, read carefully these instructions and keep them in a safe place.
- Make sure that the signs about using, safety, and maintenance are always legible.
- The use of the machine is restricted to the applications specified in the product literature.
- Always change damaged parts immediately. Change wear parts in due time.

- **SAFETY EQUIPMENT** :



WARNING

The admissible sound level of 85 dB (A), can be exceeded because of the machine and/or the application. Long time exposure to loud noise without ear protectors can cause permanent damage to hearing. Long time exposure to vibrations can damage the hands, fingers and wrists. Do not use the machine if you are experiencing discomfort, cramp or pain. Consult a doctor before working again with the machine.

- Always use approved safety equipment. The following safety equipment applies to operators and other personnel in the immediate vicinity of the working zone.
- Safety helmet.
- Ear protectors.
- Dust mask in dusty environments.
- Protective gloves.
- Protective shoes.
- Goggles.

To avoid the risk of clothes being caught in the machine, avoid wearing loose-lifting clothes. If you have long hair, cover it with a hair net.

- **WORKING AREA** :



WARNING

Do not use the machine in explosive environments. Do not operate a machine powered by a petrol or diesel engine in poorly ventilated spaces. These types of engines produce toxic gases which can cause serious health troubles.

- POWER SUPPLY :



WARNING

Make sure that the power supply equipment complies with the relevant safety requirements of the local and the international standards.

- Electric machine : It must be ensured that the machine is connected to the voltage and the frequency specified on the name plate. The power supply cable has to be properly sized. Check that the cable and the plug of the machine are not damaged. Never switch off the machine by pulling the plug from its socket. Use the machine switch. Keep the cable out of the moving parts of the machine.

- Pneumatic machine : Check that the compressed-air hose and the hose coupling are not damaged. Never attempt to loosen a compressed-air hose which is pressurized. First switch off the air at the compressor and then leave the machine running itself to discharge the hose after some seconds.

- Machine powered by petrol or diesel engine : Petrol has an extremely low flash-point and can be explosive in certain situations. Keep away from all hot or spark-generating objects, do not smoke, when handling fuel. Wait until the machine has cooled before filling the tank. Avoid spilling petrol or diesel on the ground.

- STARTING THE MACHINE :



CAUTION

Before starting make yourself familiar with the machine and make sure that the machine does not show any obvious faults. Then start the machine according the instruction and spare parts catalogue.

- OPERATION :



CAUTION

Use the machine only for the purpose for which it is intended. Make sure you know how to stop the machine quickly in the event of an emergency situation. Do not touch rotating parts during operation.

- MAINTENANCE :



CAUTION

Maintenance work must only be carried out by skilled personnel. Keep unauthorized persons away from the machine. Do not carry out maintenance work while the machine is moving or the engine is running. Never use a machine which is damaged.

- BE ALERT :



CAUTION

Always concentrate on what you are doing. Use common sense. Never operate the machine if you are tired or under the influence of drugs alcohol or other substances which can affect your vision, reaction, ability or judgement.

GENERAL

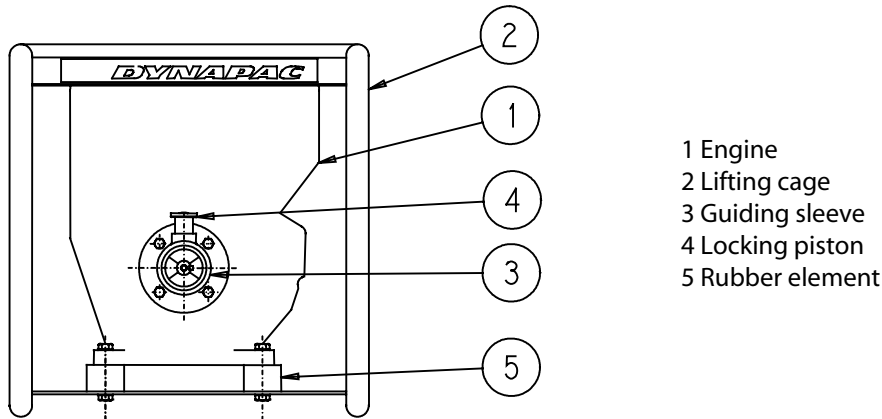
Drive unit AM 19 is designed for driving AA/AU poker vibrators type.

A single-cylinder four stroke petrol engine is used as the power source.

DESIGN

The engine **1** is mounted on rubber elements **5** in the lifting cage **2**. On the output shaft of the engine is a guide sleeve **3** to which the shaft coupling of the poker vibrator is connected.

The locking piston **4** enables the shaft coupling to be engaged and disengaged.



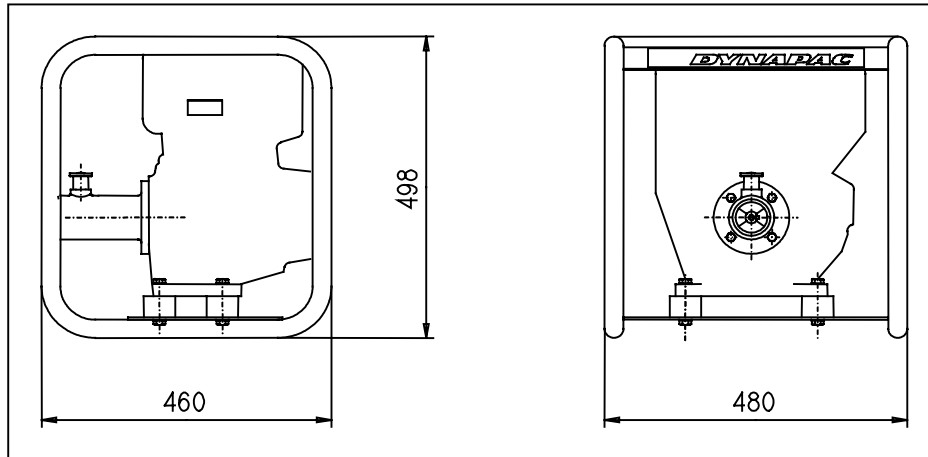
- 1 Engine
- 2 Lifting cage
- 3 Guiding sleeve
- 4 Locking piston
- 5 Rubber element

TECHNICAL DATA

	AM19 HONDA P/N 360225	AM19 HONDA P/N 366173 – 366174
Engine brand - Model	HONDA - GX 160 QX	HONDA – G200K1
Engine speed (r.p.m.)	2 900	2900
Power kW - (hp) at 2900 rpm	3 - (4.2)	3 – (4.2)
Direction of rotation	Anti clockwise	Anticlockwise
Fuel	Unleaded petrol	Unleaded petrol
Fuel tank capacity l - (gal)	3.60 - (0.95)	4.3 – (1.13)
Engine oil capacity l - (gal)	0.60 - (0.16)	0.70 – (0.19)
Oil "alert "	Yes	No
Total Weight kg - (lb)	27 - (59.4)	31.5 – (69.45)
Noise level measured at 7m from the motor dB(A), according to ISO 6081.	72.8	73.9

DIMENSIONAL DRAWING

Dimensions in mm.



OPERATING INSTRUCTIONS

OPERATING SPEED

The max. speed of the engine must not exceed 2900 r.p.m. It is settled in factory. In case of maintenance operation on the engine this speed must be checked and eventually readjusted to 2900 r.p.m. Refer to the engine instruction book provided for speed adjustment, starting and stopping the engine.

BEFORE STARTING

Do not run the engine in places with unsatisfactory ventilation.
Make sure that nothing easily combustible is in the vicinity of the exhaust outlet.
Check that there is petrol in the tank.
Check that the engine oil level reaches up to the max level. Refer to the engine instruction book.

FUEL CHECKING

Do not refuel while smoking, near an open flame or other potential hazards.
Stop the engine and open the cap.
Use unleaded gasoline only.
Close the fuel cock before filling the fuel tank.
When filling the fuel tank always use the fuel filter.
Wipe off any spilled fuel before starting the engine.

MAINTENANCE

DAILY (8 hours)

Clean engine.
Check bolts and nuts.
Check and refill engine oil.

WEEKLY (50 hours)

Change engine oil (initial 20 hours).
Clean spark plug. Clean air cleaner.

MONTHLY (200 hours)

Clean fuel strainer. Clean and adjust spark plug

500 HOURS

Clean and adjust carburettor. Clean cylinder head Adjust valve clearance.