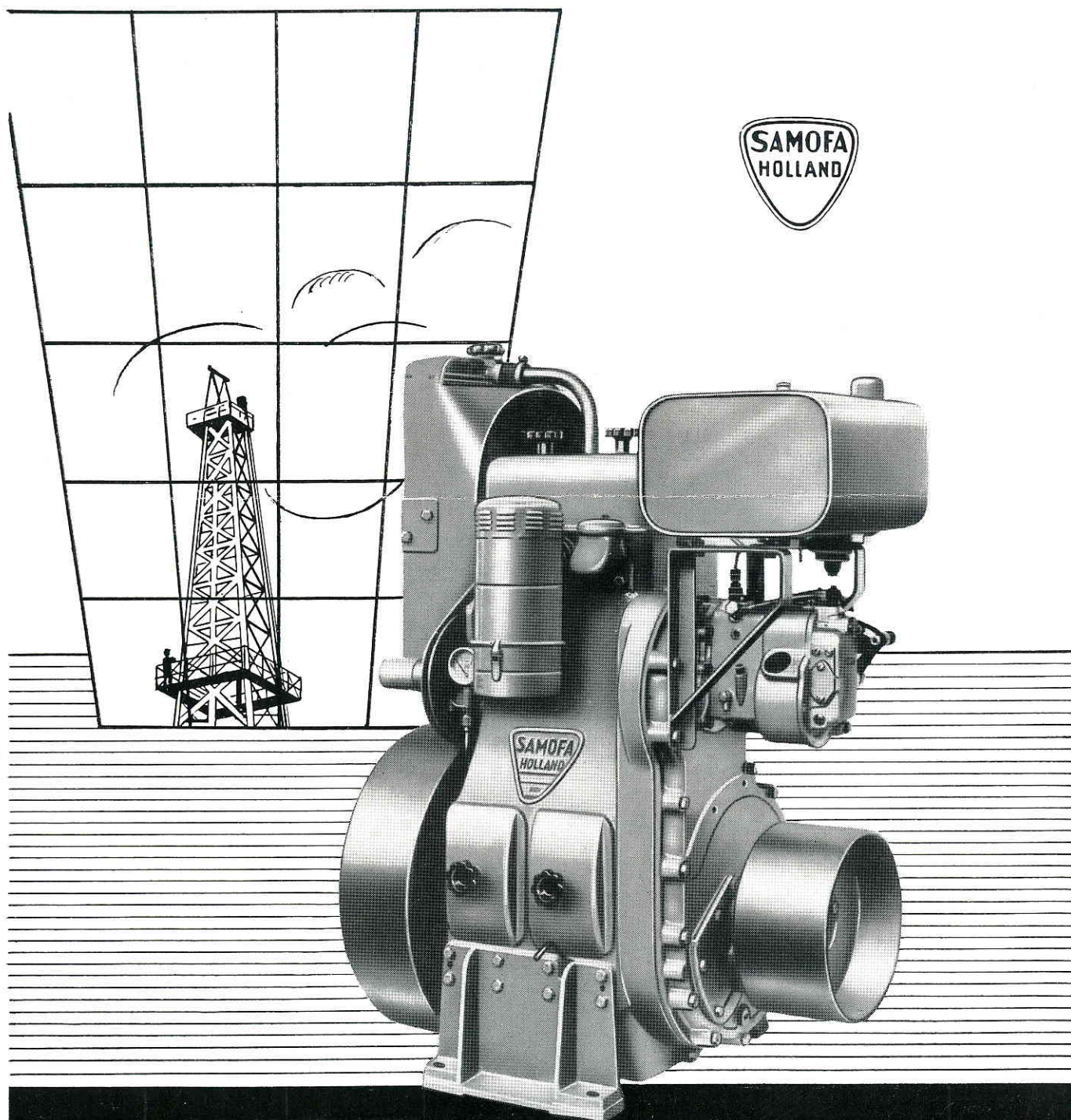


# SAMOFA

## DIESEL ENGINES



MOTORENFABRIEK "SAMOFA" N.V. AMSTERDAM

Cables: SAMOFAMOTOR - P. O. Box: 959



## MOTORENFABRIEK SAMOFA N.V., AMSTERDAM-HOLLAND

### INTRODUCTION

The four stroke industrial „Samofa” Diesel Engines are supplied in single and two-cylinder versions.

They can be used for various purposes, i.e. coupled to a generator, when they serve as auxiliary or emergency sets for lighting supply.

The "Samofa" engines are particularly suitable for driving pumps and compressors, as prime movers for draglines, for driving deck winches, etc.

The engines are of very simple design, so that they can be operated easily. They are sturdily built and can be started by hand.

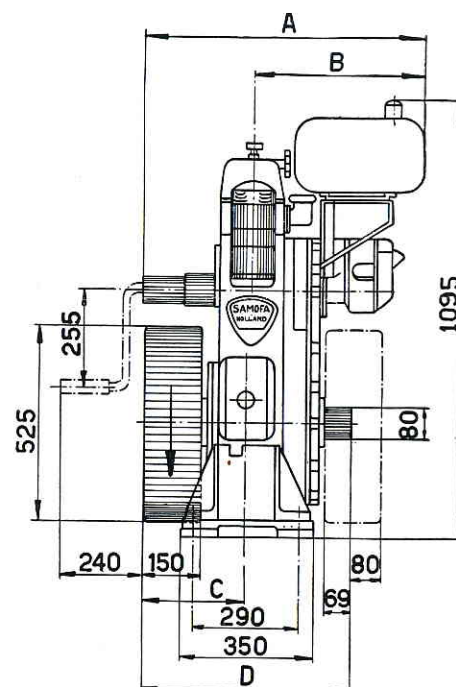
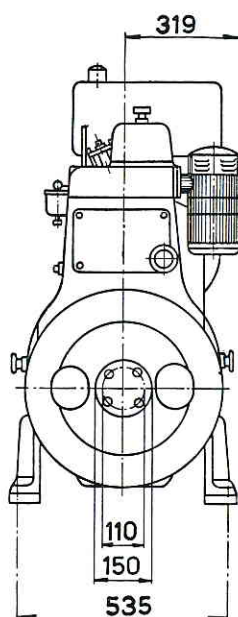
The demand for "Samofa" engines is constantly increasing, because they have proved in actual service to have, among other advantages, a longer life in comparison with other makes. Not only the fuel consumption is low and the cost of maintenance minimal, but the engines are also utterly reliable.



50176

Dimensions in mm

| Model   | A   | B   | C   | D   |
|---------|-----|-----|-----|-----|
| 1-S-108 | 725 | 451 | 277 | 569 |
| 2-S-108 | 910 | 491 | 357 | 714 |



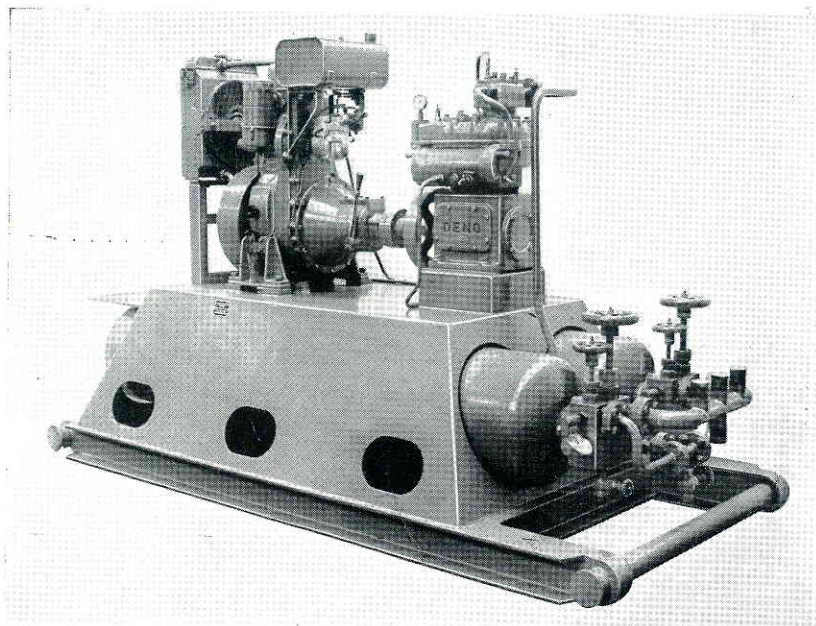
### PRINCIPAL TECHNICAL DATA:

| MODEL   | 1-S-108       | 2-S-108        |
|---|---------------|----------------|
| Output, in B.H.P.   | 10/15         | 20/30          |
| Number of cylinders   | 1             | 2              |
| Number of r.p.m.  | 1000/1500     | 1000/1500      |
| Bore, in mm   | 108           | 108            |
| Stroke, in mm   | 152.4         | 152.4          |
| Fuel consumption at full load, in grams per B.H.P./h          | 180           | 180            |
| Approximate net weight of engine in standard outfit, in kgs   | 395           | 478            |
| Approximate gross weight of engine in standard outfit, in kgs | 513           | 598            |
| Dimensions of case, in cm                                     | 96 × 86 × 140 | 114 × 86 × 140 |
| Approximate shipping volume, in cu. metres                    | 1,16          | 1,37           |



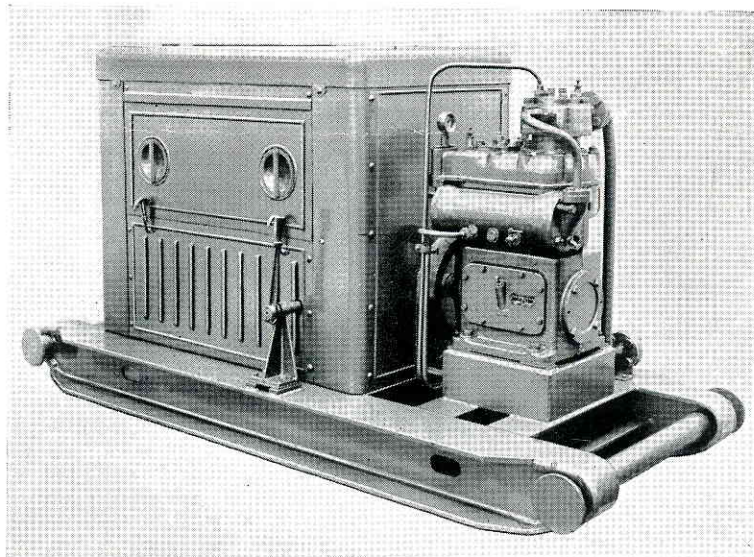


## MOTORENFABRIEK SAMOFA N.V., AMSTERDAM-HOLLAND

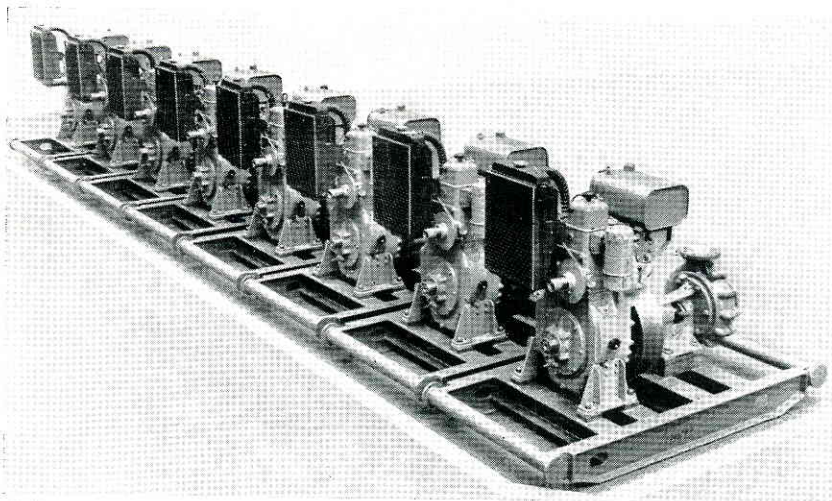


50269

Single cylinder Samofa Diesel engine, 1-S-108 model, output 12 BHP at 1200 r.p.m., provided with a Samofa made friction clutch, flexibly jointed to an air compressor capacity 50 cu.metres/h at a pressure of 30 kgs/sq.cm. A weather-resistant housing, provided with removable panels, covers the engine. The whole set is mounted on a skid base.



50254



50193

This Diesel driven air compressor has a capacity of 50 cu. metres per hour at a pressure of 30 kgs per sq.cm.

The whole set is mounted on a skid so that the unit can be transported to each spot where compressed air is required.

### Technical data:

Single cylinder Samofa Diesel engine, 1-S-108 model, output 12 BHP at 1200 r.p.m. Engine provided with a friction clutch (Samofa make) flexibly jointed to an air-compressor (make van Duijvendijk & van Overbeek). Two drums having a capacity of 0.2 cu.metres each, are mounted in the skid.

The drums have been inspected by Messrs. Stoomwezen.

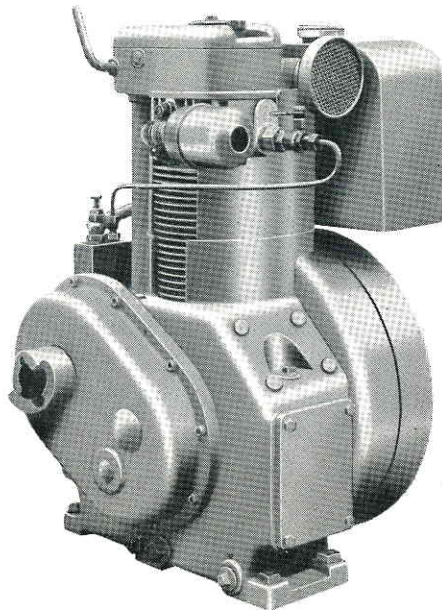
A series of transportable Diesel driven fire-fighting pumps, capacity 45 cu. metres/h.





**MOTORENFABRIEK SAMOFA N.V., AMSTERDAM-HOLLAND**

## AIR- COOLED DIESEL ENGINES SH 80 AND SH85 MODELS



The Samofa engines, SH-80 and SH-85 models cope with the many drawbacks adherent to water-cooled engines. There is no longer any danger of parts cracking by frost, salination or defilement of water jackets. This renders the engine the appropriate prime mover on spots, where clean water is hard to obtain, whilst the small weight allows the engine to be moved without difficulty. The air cooling system operates effectively and renders the engine suitable both for the tropics and colder areas. The direct fuel injection system makes it possible to start the engine easily, and keeps its fuel consumption low. The engine design is very sturdy and conveniently arranged.

They are the ideal engines for outputs from 3 up to 8 H.P. for driving: generators, pumps, compressors, agricultural and contractors' machines, anchor winches, hoisting winches, stone breakers, etc., and for the propulsion of small craft.

| TYPE                 | SH 80     | SH 85     |   |
|----------------------|-----------|-----------|---|
| Output in B.H.P.     | 3 - 6     | 4 - 8     | Fuel consumption at full load, in grs/B.H.P./h: 200 - 220                 |
| Number of r.p.m.     | 1000/2000 | 1000/2000 | Net weight in standard outfit, in kgs: 116                                |
| Number of cylinders: | 1         | 1         | Ignition system: Direct fuel injection                                    |
| Bore, in mm:         | 80        | 85        | Lubrication system: circulation lubrication by means of a gear wheel pump |
| Stroke, in mm:       | 100       | 100       | Cooling system: air cooling by means of a ventilator in the flywheel      |

### SALIENT ADVANTAGES:

- Air-Cooled
- Small Weight
- Small Size
- Sturdy Design
- Circulation Lubrication System throughout the Engine
- Low Fuel Consumption
- Easy Starting
- Low Cost of Maintenance
- Great Reliability at Minimum Supervision

