



# AIR STARTERS

**Ark Vision Spare & Engineering is the Authorized Distributor & service center of Gali in the region of Singapore and Indonesia**

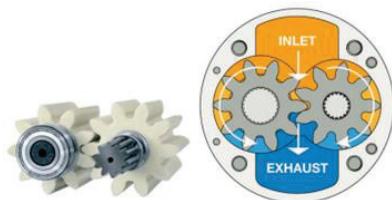
## AIR STARTERS

The GALLI air starters are intended for use on internal combustion engines and gas turbines.

For their size and weight, these starters are extremely powerful, and additionally feature high torque, high speed, low air consumption and reduced maintenance. GALLI starters can be operated at a pressure ranging from 3/4 Mpa (30/40 bar) as the maximum and minimum working pressures depend on installation conditions.



"Wide range of different models to start engines with up to 12000 kW and more."



Gali starting system by rotors:

The torque is produced as direct result of the pressure on the rotor side, obtaining the best results in initial compression and breakaway, which always ensures initial starting attempts even under adverse conditions.



Gali twins starters - to start engines with more than 12.000 kW:

Only Gali engagement systems are able to ensure the perfectly harmonized and synchronized torque required to engage two starters simultaneously. Well known are the problems of broken gear rims occurring using other systems not manufactured by Gali.

## A17

The type A17 air starter is generally used for starting internal combustion engines of an approximate rating of up to 300 kW (400 HP), although the suitability depends, in practice, on the engine capacity, number of cylinders and the ratio of the driving pinion to the flywheel ring gear



### Technical Data

Max. Working Pressure	: 3 MPa (30 bar)
Max. Power	: 15 kW
Speed at max. Power	: 4000 min <sup>-1</sup>
Max. Torque	: 66 Nm
F.A.D.	: 90-260 dm <sup>3</sup> /s
Minimum diameter of air feed pipe work	: 20 mm (0,8 in)
Net weight	: 6.6 kg / 15 lb

## A27

The type A27 air starter is generally used for starting internal combustion of an approximate range of ratings of 220-1100 kW (300-1500 HP), although the suitability depends, in practice, on the engine capacity, number of cylinders and the ratio of the pinion to the flywheel ring gear.



### Technical Data

Max. Working Pressure	: 4 MPa (40 bar)
Max. Power	: 30 kW
Speed at max. Power	: 2800 min <sup>-1</sup>
Max. Torque	: 188 Nm
F.A.D.	: 110-460 dm <sup>3</sup> /s
Minimum diameter of Air feed pipework	: 25 mm (1 in)
Net weight	: 13 kg / 28.7 lb



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## S30

The type S30 air starter has been developed to start internal combustion engines of a power range from 750 to 3200 kW (1020 to 4350 HP), although the suitability depends, in practice, on the engine capacity, number of cylinders and the ratio of the driving pinion to the flywheel ring gear.



### Technical Data

Max. Working Pressure	: 3 MPa (30 bar)
Max. Power	: 41,5 kW
Speed at max. Power	: 2500 min <sup>-1</sup>
Max. Torque	: 305 Nm
F.A.D.	: 180 - 1350 dm <sup>3</sup> /s
Minimum diameter of	: 36 mm (1,42 in)
Air feed pipework	
Net weight	: 21 kg / 46.3 lb

## A47

The type A47 air starter is generally used for starting internal combustion engines of an approximate range of ratings of 1100-4400 kW (1500-6000 HP), although the suitability depends, in practice, on the engine capacity, number of cylinders and the ratio of the driving pinion to the flywheel ring gear.



### Technical Data

Max. Working Pressure	: 3 MPa (30 bar)
Max. Power	: 66 kW
Speed at max. Power	: 2300 min <sup>-1</sup>
Max. Torque	: 540 Nm
F.A.D.	: 250-1750 dm <sup>3</sup> /s
Minimum diameter of	: 45 mm (1,77 in)
Air feed pipework	
Net weight	: 26 kg / 57.3 lb

## Accessories

### PINIONS

Gali starters can be equipped with pinions with any number of teeth, pressure angles, diameter pitches as required for the engine flywheel gear.



### COUPLING FLANGES

Designed for mounting air starters to internal combustion engines.



### CENTRIFUGAL FILTER

Centrifugal force filters designed to drain all moisture and remove all particles from the air. Ideal for installations where engines are exposed to high humidity and rough working conditions (boats).



### FILTERS

Strainer-principle separator and static filters designed to ensure minimum pressure loss.



### SOLENOID VALVES

Many types are available upon request to be used for automatic control of air starter.



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