

# AMPLIROLL® AL20



FASSI GROUP

## Key points



- Rear hydraulic body locking
- Self-automatic mechanical lock to secure main arm and tilting frame in tipping mode
- Pneumatic control in cab
- Pin mounted hook, easy to replace
- Pre-drilled subframe
- Free tilting frame that acts as a power multiplier
- Integrated dashpot in main cylinders

## Marrel Telescopic range

| Truck GVW from 26 to 32T |                                |    | S44  | S45  | S46  | S47  | S48  | S49  | S50  | S51  | S52  | S53  | S54  | S55  | S56  | S57  | S58  | S59  | S60  |
|--------------------------|--------------------------------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                          | Container length : min         | LG | 3800 | 3800 | 3800 | 3800 | 4100 | 4100 | 4100 | 4100 | 4400 | 4400 | 4400 | 4600 | 4600 | 4600 | 4800 | 4800 | 4800 |
|                          | max                            |    | 5500 | 5600 | 5700 | 5800 | 5900 | 6000 | 6100 | 6200 | 6300 | 6400 | 6500 | 6600 | 6800 | 6900 | 7000 | 7100 | 7200 |
|                          | Container with fixed underside |    | 4900 | 5000 | 5100 | 5200 | 5300 | 5400 | 5500 | 5600 | 5700 | 5800 | 5900 | 6000 | 6100 | 6200 | 6300 | 6400 | 6500 |
|                          | Own weight                     | Kg | 2100 | 2110 | 2110 | 2110 | 2150 | 2170 | 2170 | 2170 | 2290 | 2300 | 2300 | 2310 | 2320 | 2330 | 2340 | 2350 | 2350 |

Indicated figures in this document are for information only and can be changed without any prior notice.

## Standard configuration

### Hooklift with telescopic jib

- Lifting capacity 20 tons, tested with 24000 loading cycles
- Mini and maxi body length are determined by the pre-study drawing
- Hook height : 1425 mm
- **Lifting hook, casting and removable (mounted with two pins on jib upper end)**
- Plastic pusher integrated in the lower angle of the jib
- Advanced free tilting frame acting as lifting power multiplier
- Installation height assures an optimum position of container's CG
- 4 supports with external centering + 2 additional supports (depending of the unit length)
- **Subframe drilled all over the length for a complete bolted installation**
- Rear roller with large flanges mounted one tipping axis, suited for bodies with longitudinal runners spaced at 1.060 mm
- Hydraulic container external locking device, low installation and cover plate
- Safety while tipping : telescopic jib and rear hydraulic locking cannot be operated
- Directional valve equipped with manual socket, piloted by pneumatic ON/ OFF controls in cab and signal light box
- **Integrated dashpot for retracting the main lifting cylinder**
- One check valve flanged for two main cylinders and non-return valve on all hydraulic cylinders
- Sidebox with all hydraulic, pneumatic and electrical functionalities
- The equipment are assembled and tested in factory
- Equipment is painted in dark primer

### Hydraulics

Hydraulic cylinders manufactured by Marrel

Integrated dashpot : slows the main cylinders

Check valve for main cylinder

Safety device to prevent miss-use of the equipment

### Mechanical structure

Steel with high tensile strength

Casting parts used for critical functions

Welding by robot welders and machining of the articulations

**Anti-corrosion treatment** : grinding of all mechanical welding components

### Safety and container locking

Rear hydraulic body locking (outside and inside)

In operation outside warning buzzer

Longitudinal stop on hook arm

## Options and Accessories

- Additional hydraulic valves (for cranes, rear tipper trailer, ...)
- Fast speed operation (only for moving empty bodies)
- Hook with mechanical or pneumatic safety latch
- Front hydraulic body locking device
- Rear axle suspension blocking synchronized with rear lock
- Rear stabilizer with independent controls and warning light
- Electro-pneumatical cab controls, ...

- Oil tank to be installed on truck sides or behind the cab
- Attachments brackets suited for the various truck model
- Rear under ride bumper PANTO, tiltable or fixed
- Side protections fixed or tiltable mount
- Tool box and expandable net carrier
- Fire extinguisher box – Working light
- Aluminium fender, ...



**marrel**

FASSI GROUP

Rond-Point Auguste Colonna  
B.P. 70056  
42161 Andrézieux-Bouthéon  
+33 (0)4 77 36 28 28



Edition : May 2018

Your Dealer