

10 Rue Buffon
02000 LAON - FRANCE

T +33 (0)3 23 28 65 10

F +33 (0)3 23 28 65 18
consult@globalconsult.fr

www.globalconsult.fr



The machine specifications can be modified at any time without notice
Ref : F294 03/2010 E

SELF-PROPELLED FRANEX FEEDER



F294



Feeder for continuous paving

Principle

- Simple concept to avoid changing the grading range
 - High capacity transfer of materials to limit heat loss
 - Instantaneous flow rate 1.000 t/h
 - Hopper + conveyor material stock: 7 tonnes
 - Feeder speed controlled by finisher speed, thus avoiding contact between the machines
 - Crab steering to compensate potential misalignment of the truck
- The above characteristics ensure regular and continuous feeding of the finisher and help guarantee a high quality coating

Strong points

- Rugged construction as per CE standards ensures absorption of shocks caused by the trucks
- Low maintenance cost
- Long wearing part life time
- Feeder design and weight authorises its transfer between sites without specific authorisation

F294 characteristics

Weight

- Unladen weight 24.000 kg

Dimensions

- Length 11.200 mm
- Working width 3.400 mm
- Transport width 2.500 mm
- Working height 3.900 mm
- Transport height 3.900 mm
- Wheelbase 4.000 mm
- Inside turning radius 7.200 mm

Engine

- Diesel Phase 3, EPA Tiers 3
- 6 compressed Turbo cylinders
- Power as per 2004/26 EC129 kW at 2.300 rpm

Capacity

- Front hopper 2 m³
- Conveyor 3 m³
- Fuel tank 400 l
- Cleaning tank 200 l
- Hydraulic tank 400 l

Drive

Hydrostatic with variable displacement pump and two-speed engine with two-gear gearbox with hydraulic control

Two drive axles with planetary gears in the wheels

Speeds

- Work 0 – 20 m/min (2 ranges)
- Travel 0 – 12 km/h (2 ranges)

Tyres

- Front/Rear 1400 R 24

Brakes

Handbrakes: Disc brake at the front axle inlet, electro-hydraulic control, with underpressure safety valve

Front axle:

- hydrostatic service brake on the transmission and for emergencies
- parking brake: Two drum brakes activated hydraulically on front axle

Rear axle: Hydrostatic service brakes on the transmission

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Steering

2 drive axles

Travel types selected from the dashboard

Front axle controlled by orbitrol, rear axle by throttle

Front receiving hopper

Equipped with pusher rollers

Material feeding device

Front shutter can be lifted hydraulically

Retractable sides for transport

Extractor conveyor

- Clean double floor metal conveyor with bar chains
- Hydraulic drive, variable speed from 0 to 39 m/min
- Possible instantaneous flow rate: 1.000 t/h (according to materials)
- Clean return, bottom floor can be opened for maintenance
- Bottom floor heated by combustion engine exhaust fumes

Management and electrical system

- Electrical control
- Management by PLC and bus CAN link
- Automatic move forward control by proportional ultrasound sensor
- 24 V operating voltage
- 2 batteries 180 Ah each

Standard equipment

Driver's stand, offset-positioned, with high visibility; Rearview mirrors; Complete dashboard with emergency stop button; Emergency stop button mounted on four sides of the machine; Diesel engine automatic alarm system; Warning light; Secured access ramp for driver stand

Optional equipment

Working headlights; Radio control; Spare wheel; Buffer hopper control sensor; Wheel sprinkling system; Special paint

Optional additional equipment STORAGE HOPPER F997

Semi-mounted storage hopper

- Unladen weight 4,3 t
- Approx. payload 15 t
- Water capacity 10 m³
- Tyres 355/65 R15
- Length 3.200 mm
- Width 3.800 mm
- Working height 2.700 mm
- Transport height 2.880 mm

Other hopper types can be proposed on request