Technical Data

Injectors > Electrical Dosing Pumps

> Piston Multifertic

Code	Engine	P_{max} - bar	l/h_{max}
FER026	12V 130W	10	50
FER027	12V 130W	5	100
FER028	12V 130W	3	200
FER022	12V 300W	14	100
FER023	12V 300W	7	200
FER024	12V 300W	4	300
FER006	Single-phase	15	50
FER011	Single-phase	15	100
FER012	Single-phase	8	200
FER013	Single-phase	5	300
FER001	Three-phase	15	50
FER002	Three-phase	15	100
FER003	Three-phase	8	200
FER004	Three-phase	5	300
FER005	Three-phase	3	500

MULTIFERTIC PISTON ADDITIONAL PEAPM MODULES

Code	l/h_{max}	
FER031	50	
FER032	100	
FER033	200	
FER034	300	
FER035	500	

DESCRIPTION:

Application

- Fertilizers multiple injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Self-supporting modular injection system with support and fixing
- Injection by high-density polyethylene or ceramic piston
- Individually adjustable dosage
- Oil level

Specifics

Engine:

- three-phase 400V 50Hz
- single-phase 230V 50Hz 12 V DC
- power 0,37Kw (0,5Hp)/single-phase and three-phase - 130W or 300W/12V DC

Materials

- PEUAPM piston (ultra-high molecular weight polyetylene)
- PETP pin
- Cylinder: PP
- Valves: (body) PP
- Valves: (ball) glass
- Bronze gear
- F-154 CEM pignon
- Cast aluminium body
- F-154 CEM eccentric
- Ritention FKM
- SAE 80 W90 oil
- Other materials for particular solution injection on request

> Membrane Multifertic

Code	Engine	P_{max} - bar	l/h_{max}
FERM027	12V 130W	10	50
FERM026	12V 130W	5	100
FERM025	12V 130W	3	200
FERM022	12V DC 300W	10	100
FERM024	12V DC 300W	4	300
FERM012	Single-phase	10	100
FERM013	Single-phase	6	200
FERM014	Single-phase	4	300
FERM002	Three-phase	10	50
FERM003	Three-phase	10	100
FERM004	Three-phase	6	200
FERM005	Three-phase	4	300

MULTIFERTIC MEMBRANE ADDITIONAL MODULES

Code	l/h_{max}	
FERM031	50	
FERM032	100	
FERM033	200	

DESCRIPTION:

Application

- Fertilizers multiple injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Self-supporting modular injection system with support and fixing
- Injection by high-density polyethylene or ceramic piston
- Individually adjustable dosage
- Oil level

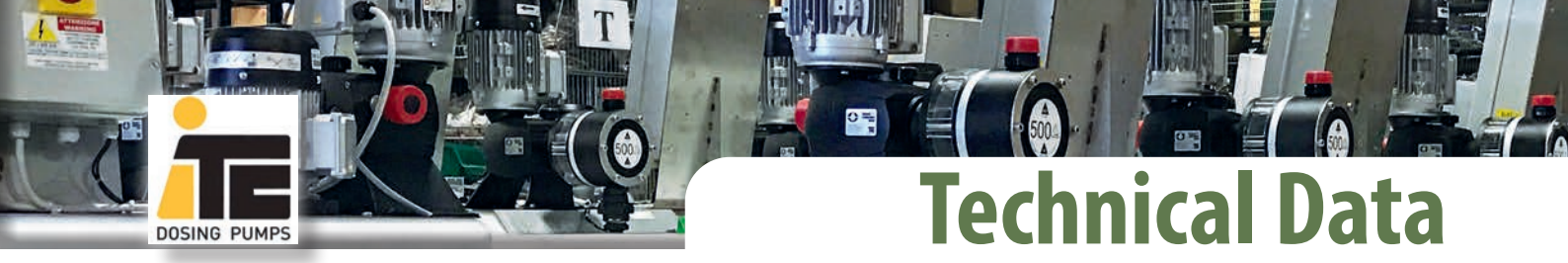
Specifics

Engine:

- three-phase 400V 50Hz
- single-phase 230V 50Hz 12 V DC
- power 0,37Kw (0,5Hp)/single-phase and three-phase - 130W or 300W/12V DC

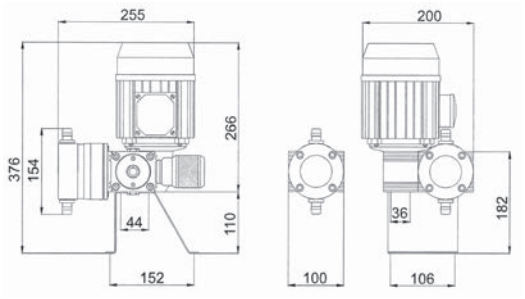
Materials

- Reinforced elastomer base membrane + PTFE coating
- PETP pin
- Cylinder: PP
- Valves: (body) PP
- Valves: (ball) glass
- Bronze gear
- F-154 CEM pignon
- Cast aluminium body
- F-154 CEM eccentric
- Ritention FKM
- SAE 80 W90 oil
- Other materials for particular solution injection on request



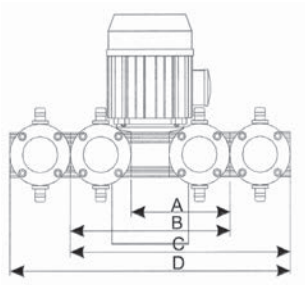
Technical Data

Injectors > Electrical Dosing Pumps



DIMENSIONS

WIDTH (MM) - WEIGHT (KG)			
Module		Width	Weight
1	A	200	12,0
2	B	265	14,5
3	C	365	17,0
4	D	465	19,5



When the injection modules are more than one, the maximum pressure allowed in the hydraulic line will decrease differently depending on the engine power supply:
- in the case of motors powered with alternating current (AC): Pmax = 4.600 / (total sum of the capacities of the modules used)
- in the case of motors powered with 12V DC direct current: the data shown in the table above will be reduced by 25% (in the case of using two modules) up to 40% (in the case of using 4 modules).

The 500 l / h injection modules can be mounted in a maximum of two per engine.