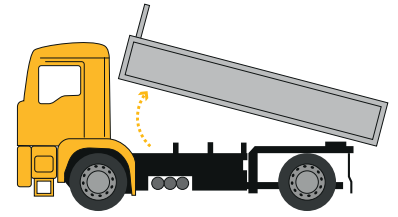


The New Pump Series

Truck Hydraulics

F3



Better economy.

An average truck would use upwards of 300 litres (65 gallons) less diesel every year* when using an F3 pump – and, of course, reducing its emissions of greenhouse gases and particulates in the process. This is due to the unique, patented characteristic of the F3 pump being completely disconnectable when not in use.

More reliable.

When you have a pump fitted to your engine PTO, even a small mishap (like a ruptured hose) can have you recovered and towed to a workshop – a costly proposition, if you factor in outlay and downtime. But with the new F3, all you'd have to do is disconnect the pump and go home.

Less noise.

Compared to a conventional hydraulic pump in the unloaded position, a disconnected F3 generates far less noise. This means you'd already be set as far as future noise emissions regulations are concerned.



Features and benefits of F3

- Can be disengaged and engaged instantly
- Operating pressures up to 400 bar
- High selfpriming speeds
- Air operated dimensions
- High overall efficiency
- Small installation
- Low noise level
- Low weight



* footnote with calculation backing up the example

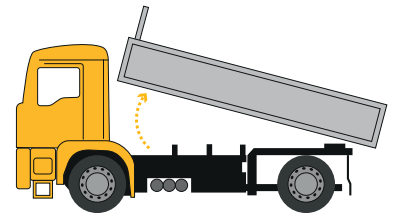


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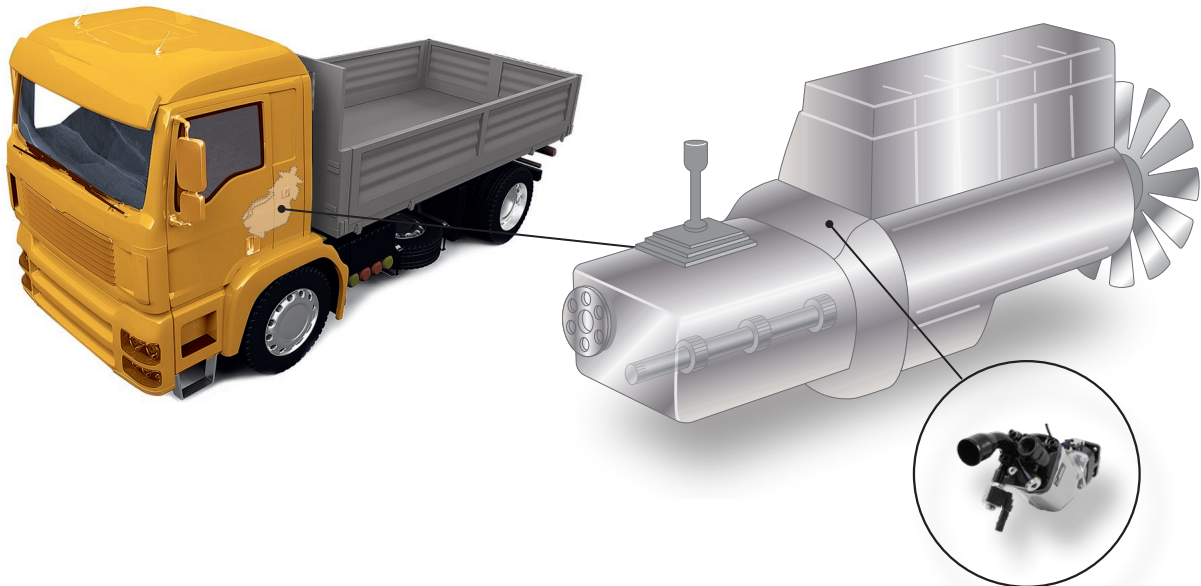
The New Pump Series

Truck Hydraulics

F3



Integrated coupling enables engaging and disengaging the pump.



F3-81 and -101, ISO Specifications

Frame size F3-	81	101
Displacement [cm ³ /rev]	81.6	102,9
Max flow¹⁾ [l/min]		
at 350 bar	163 ¹⁾	185 ¹⁾
at 400 bar	143	160
Max operating pressure [bar]		
continuous	350	350
intermittent	400	400
Shaft speed [rpm]		
- short circuited pump (low press.)	2300	2300
- max speed at 350 bar ²⁾	2000 ¹⁾	1800 ¹⁾
at 400 bar ²⁾	1750	1550 ¹⁾
Torque¹⁾ [Nm]		
at 350 bar	453	572
at 400 bar	518	653
Input power [kW]		
- continuous	76	85
- intermittent ⁴⁾	95	123
Weight [kg]	16,7	16,7

Port size

Frame size F3-	-81	-101
Pressure port	1"	1"
Standard versions		
Designation	F3-081-R	F3-101-R
Ordering No.	372 0382 (12V) 372 0091 (24V)	372 0384 (12V) 372 0093 (24V)
Designation	F3-081-L	F3-101-L
	372 0383 (12V) 372 0092 (24V)	372 0385 (12V) 372 0094 (24V)
Bypass valve, type	BPV-F3	
Max pressure, continuous	350 bar	
Max pressure, intermittent	400 bar	
Solenoid voltage	12 or 24 VDC	
Power equipment	14 W	
Operating mode	Activated solenoid: Check valve closed	

1) Valid with 21/2" inlet (suction) line. With 2" suction line: F3-81 – max 1400 rpm (Q ≈ 120 l/min); F3-101 – max 1000 rpm (Q ≈ 120 l/min).

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