



21

The ASE EVP 18 S is a system in which a high-capacity screw pump and all other necessary equipment are mounted on a dedicated trailer chassis, designed specifically for wet shotcrete and gunite applications.

It pumps ready-mixed wet mortars in S4 consistency — supplied from a batching plant or prepared on site, with a maximum aggregate size of 16 mm (12 mm for spraying systems) — at a capacity of up to 18 m³ per hour, making it ideal for shotcrete application.

In the EVP 18 S model, thanks to the frequency converter, pumping capacity can be adjusted to any desired rate at any time according to application needs.

The EVP 18 S D diesel model, on the other hand, provides a significant advantage on job sites without access to electricity.



TECHNICAL DATA

(D) = EVP S 18 D diesel model, where it differs

Pumping capacity:*	2-18 m ³ /h
Pumping pressure:*	30 bar
Max. aggregate size:	16 mm
Max. aggregate, spraying:	12 mm
Pumping distance:*	100 m
Pumping height:*	40 m
Power supply:	400V/50Hz – Diesel (D)
Pump motor:	15 kW – 26kW/32.5HP (D)
Hopper capacity:	240 l
Remote control:	Pneumatic
Vibrator:	0.17kW, 205kg – 12V, 205kg(D)
Vibrating screen:	12 or 16 mm
Material outlet:	2 ½"
Pumping hose:	Ø 65 mm
Spraying/casting:	Ø 50 mm
Loading height:	1110 mm
Pump dim. (L/W/H):	4750/2000/1600 mm
Total weight:	~1340kg – ~1380kg (D)

* May vary depending on mortar quality, mortar composition, mix density, the conveying screw model and mortar hose diameter.

* Consistency class: S4 (flowable). Slump range: 160-210 mm.

APPLICATION AREAS

With ready-mixed wet mortars pumpable up to 16 mm aggregate size (12 mm for spraying),

- Tunnels
- Hills / mounds
- Slope and embankment stabilization
- Swimming pools
- Water parks
- Ornamental pools
- Thermal spa pools
- Water features
- Rock crevices
- Artificial rock
- Artificial waterfalls
- Shear walls
- Panel construction systems
- Fiber-reinforced concrete spraying

...and many more applications are possible.

STANDARD EQUIPMENT

- Towable trailer platform
- Chemical admixture tank, 500 litres
- Chemical admixture dosing pump
- Flow meter, for admixtures
- Geared motor, 15 kW, 400 V
- Lombardini LDW 1404, 4-cylinder, 26 kW/35.2 HP diesel engine (D model)
- Pump set 2L8 or 60/12 R
- Control unit with frequency converter
- Tilttable vibrating screen, 12 or 16 mm
- Extra-long outlet flange, 2½"
- Combined mortar pressure gauge, 0-60 bar
- Electric cable 5x4 mm², 25 m
- Cleaning connection
- Mortar hose Ø 65 mm, 10 m, coupled, 3 pcs
- Mortar hose Ø 50 mm, 10 m, coupled
- Mortar hose reducer 65/50 mm
- Air hose, 4 pcs
- Cleaning balls, 60 mm and 80 mm
- Steel shotcrete spray gun Ø 50
- Polyurethane shotcrete spray gun Ø 50
- High-pressure cleaning machine
- Rotor extraction tool
- Manual grease pump
- Tool kit