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WET SHOTCRETE PUMPS

ASE WSP 18
ASE WSP 18 D



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ASE WSP 18 is a system where a high capacity screw pump and all the other necessary equipment are mounted on a special trailer body used especially for wet Shotcrete and guniting applications.

It is ideal for Shotcrete applications to pump ready-mixed wet mortars in S4 consistency with a pumpable design up to a granule size of 16 mm (12 mm in spraying systems) received from the plant or prepared in the site in a rate up to 18 m³ per hour.

The model WSP 18 has the feature that the pumping capacity, thanks to its frequency converter, can be adjusted in any rate any time according to the application requirement.

WSP 18 D diesel-powered model provides many advantages in the sites with no electricity.

TECHNICAL DATA

	WSP 18	WSP 18 D
Conveying capacity*	2-18 m ³ /h	2-18 m ³ /h
Conveying pressure*	30 bar	30 bar
Maximum granule size	16 mm	16 mm
Maximum granule for spray	12 mm	12 mm
Conveying distance*	100 m	100 m
Conveying height*	40 m	40 m
Drive	400 V, 50 Hz	Diesel
Pumping motor	15 kW	26 kW/32,5 HP
Hopper content	240 l	240 l
Remote control	Pneumatic	Pneumatic
Vibrator	0,17 kW, 205 kg	12 V, 205 kg
Sieve with vibrator	12 or 16 mm	12 or 16 mm
Output coupling	2 1/2"	2 1/2"
Material hose	Ø 65 mm	Ø 65 mm
For spraying-pouring	Ø 50 mm	Ø 50 mm
Dimensions (L/W/H)	4750/2000/1600 mm	4750/2000/1600 mm
Total weight approx.	1340 kg	1380 kg

* Depending on motor speed, mortar quality, composition and consistency; pump type and condition, diameter of the conveying hose, conveying height.

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

FIELDS OF APPLICATION

For all pumpable ready-mixed wet mortars up to 16 mm granule size (up to 12 mm for spraying applications), such as:

- Tunnels
- Little hills
- Brae fixing
- Swimming pools
- Water parks
- Fountains
- Thermal springs
- Water decorations
- Rock cracks
- Artificial rock
- Artificial waterfall
- Curtain wall
- Panel building systems
- Fibre reinforced concrete spray

... and many more

STANDARD EQUIPMENT

- Robust trailer chassis
- Chemical additives tank, 500 litre
- Chemical additives dosage pump
- Flow meter for additives
- Geared motor 15 kW, 400 V (FC)
- Lombardini LDW1404 cylinder 26 kW/35,2 HP diesel motor (D)
- Pump unit 2 L 8 or 60/12 R
- Control unit with frequency converter (FC)
- Sieve with vibrator, 12 or 16 mm
- Output flange, extra long 2 1/2"
- Mortar pressure manometer 0-60 bar
- Power cable 5x4 mm² 25 m CEE cpl. 32 A
- Cleaning connection tool
- Mortar hose with coupling Ø 65 mm 10 m, 3 pieces
- Mortar hose with coupling Ø 50 mm 10 m
- Reduction coupling 65/50 mm
- Air hoses, 4 pieces
- Cleaning sponge balls Ø 60 mm and Ø 80 mm
- Steel shotcrete spraying gun Ø 50 mm
- Polyurethane shotcrete spraying gun Ø 50 mm
- High pressure cleaning machine
- Rotor dismantlement apparatus
- Manual grease pump
- Tool kit