

Technical information

SUPER 3000-3(i)



Tracked paver SUPER 3000-3(i)
Highway Class

TECHNICAL HIGHLIGHTS

- > Maximum pave width 18 m
- > Maximum laydown rate 1,800 t/h
- > Transport width 3 m
- > Engine output: 354 kW at 1,800 rpm

SUPER 3000-3(i) – the flexibility world champion from VÖGELE

The largest paver in VÖGELE's range is a real powerhouse and a flexible all-rounder, to boot: boasting a pave width of up to 18 m, it is ideal for large-scale projects such as motorways and runways, but is equally at home constructing thick anti-freeze layers and crushed-stone bases. The screed concept of the SUPER 3000-3(i) is likewise geared to maximum flexibility, enabling the machines to tackle a broad range of different applications efficiently and productively.



TECHNICAL DATA	SUPER 3000-3i	SUPER 3000-3
Power unit		
	for EU/EFTA countries/USA/Canada/Japan	for all other countries
Engine		
> Version	liquid-cooled 6-cylinder diesel engine	
> Manufacturer	Cummins	
> Type	X12-C475	Q5G12-C475
Output		
> Nominal	354 kW at 1,800 U/min	
> ECO mode	350 kW at 1,600 U/min	
Emissions information		
> Exhaust emissions standards	EU Stage V, US EPA Tier 4f	EU Stage 3a, US EPA Tier 2
> Exhaust gas after-treatment	DOC, DPF, SCR	
> Guaranteed sound power level	$L_{\text{eq}} = 113 \text{ dB(A)}$ (2000/14/EG, EN ISO 3744; EN 500-6)	
> Sound pressure level at the operator's stations	$L_{\text{pa}} \leq 85 \text{ dB(A)}$ (EN ISO 11201; EN 500-6)	
Fuel tank	605 litres	
Undercarriage		
Crawler tracks		
> Version	with rubber pads	
> Ground contact	3,658 x 400 mm	
> Track tension adjuster	elastomer tensioner	
> Lubrication of track rollers	lifetime	
Traction drive	electronically controlled separate hydraulic drive provided for each crawler track	
Speeds		
> Paving	up to 24 m/min., infinitely variable	
> Travel	up to 4 km/h, infinitely variable	
Material hopper		
Hopper capacity	18.5 t	
Width	3,850 mm	
Feed height	560 mm (bottom of receiving hopper)	
Push-rollers		
> Standard	oscillating	
> Position	can be displaced forwards by 80 mm or 160 mm	
> Option	sprung (PaveDock)	

Conveyors and augers**Conveyors**

> Version	2, with replaceable feeder bars, direction of conveyor temporarily reversible
> Drive	separate hydraulic drive provided for each conveyor
> Speed	up to 50 m ³ /min., infinitely variable (manual or automatic)

Augers

> Version	2, with replaceable auger blades and reversible direction of rotation
> Diameter	340/420/480 mm (varies according to pave width)
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 120 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable hydraulically up to 27.5 cm

Lubrication centralized lubrication system with electrically driven grease pump

Screed options	AB 600	SB 300	SB 300 HD	SB 350
Basic width	3 m to 6 m	3 m	3 m	3.5 m
Maximum width	9.5 m (TV/TP1)	16 m (TV)	12 m (TV)	18 m (TV)
Compacting systems	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2	TV	TV, TP1, TP2
Layer thickness	up to 50 cm			
Screed heating				
> Version	electric by heating rods*			
> Power supply	three-phase AC generator			

Dimensions (transport) and weights**Length**

> Version	tractor unit and screed
> AB 600	TV: 7.44 m / TP1, TP2: 7.7 m
> SB 300/350	TV/TP1/TP2: 7.48 m
> SB 300 HD	TV: 7.48 m

Weights

> Version	tractor unit and screed
> AB 600 TV	pave widths up to 6 m: 31,800 kg / pave widths up to 9.5 m: 37,450 kg

Key: DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter, SCR = Selective Catalytic Reduction, AB = Extending Screed, SB = Fixed-Width Screed, HD = Heavy-Duty, TV = with tamper and vibrators, TP1 = with tamper and 1 pressure bar, TP2 = with tamper and 2 pressure bars, TP2 Plus = with special tamper, 2 pressure bars and additional weights, * not for SB 300 HD

SIDE AND FRONT VIEW