



Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

Volvo Construction Equipment
www.volvoce.com/na

Ref. No. VOE 22 A 100 4063
Printed in USA 2008.02-5,0
Volvo, Asheville

English

VOLVO SCREED

OMNI 1000 SCREED



MORE CARE. BUILT IN.



MANUFACTURED WITH VERSATILITY IN MIND

The Volvo PF6000 Series of Blaw-Knox pavers provides a platform for multiple screed configurations to suit almost any application. Every Volvo screed offered for a PF6000 Series paver is now electrically heated and comes with heater bar technology that means reduced set-up and heating times. New to the Blaw-Knox family is the Omni 1000 screed with rear-mounted extensions. Based on proven technology from ABG, this screed comes standard with power height, slope, and crown adjustments, as well as a quick coupling system to add extensions.

Designed with innovation from around the globe

As requirements and technologies become more global, we've drawn upon 75 years of Blaw-Knox paving history and 60 years of innovation from ABG to develop our new screeds. The result is a new standard of versatility that lets you install multiple screed offerings on a single tractor, increasing reliability by matching screed performance to mix design.

Heater bar technology

The heater bars in our screeds offer an efficient way to provide even heat through proven technology. Each screed has three bars per section, each with variable power density to better heat the edges. These interchangeable bars can be replaced without removing screed plates, providing quicker changes and less downtime.

Quick-coupling system

Extensions are available in 0,75 m (29.5") and 1,25 m (49.2") lengths. Using hydraulic tensioning cylinders, extensions can be quickly added to change paving widths. Power is transmitted from the screen to the vibrators through a splined coupling.

Electrically heated screeds

As a part of Volvo's commitment to environmental care, the Omni 1000 screed is heated electrically. Unlike other methods, electric heating reduces fumes and eliminates diesel burners. This saves fuel and provides a cleaner working environment while providing even heat across the screed.



SPECIFICATIONS

Dimensions		Omni 1000
Basic Screed Width	m (ft)	3 (9.8)
Standard Paving Width	m (ft)	3 - 6 (9.8 - 19.7)
Min Paving Width w/Optional Cut-off Shoes	m (ft)	2,5 (8.2)
Max Paving Width w/Optional Bolt-on Extensions	m (ft)	8 (26.2)
Paving Depth	mm (in)	6 - 305 (0.25 - 12)
Screed Plate Width	mm (in) Main	450 (17.7)
	Optional Main	-
Front to Rear Extensions		443 (17.4)
Screed Plate Thickness	mm (in)	15 (0.59)
Screed Weight	kg (lb)	4 000 (8,818)
Compaction		
Vibration / Tamping System		Vibratory
Tamping Bars		-
Vibrators	Main Screed	4
Adjustment Amplitude	Extensions	1 on each
Vibrator Speed	Hz (rpm)	8,33 - 50 (500 - 3,000)
Center Crown		Electric / hydraulic
Center Crown Adjustment	mm (in)	120 (4.7) positive / 60 (2.4) negative
Extension Slope		Electric / hydraulic
Extension Slope Adjustment Range	mm (in)	Up to 10% positive / negative 27,4 (1.08) per 304 (12)
Extension Height Adjustment (relative to main)		Electric / hydraulic
Mat Depth Control	Manual Cranks	Standard
	Electric / Hydraulic Power	Standard
	Automatic Grade and Slope	Optional
Heating		
Screed Heat		Electric
Miscellaneous		
Fits Volvo Tractors		PF6110, PF6160, PF6170

Product improvement is a continuing goal at Volvo. Designs and specifications are subject to change without notice or obligation.