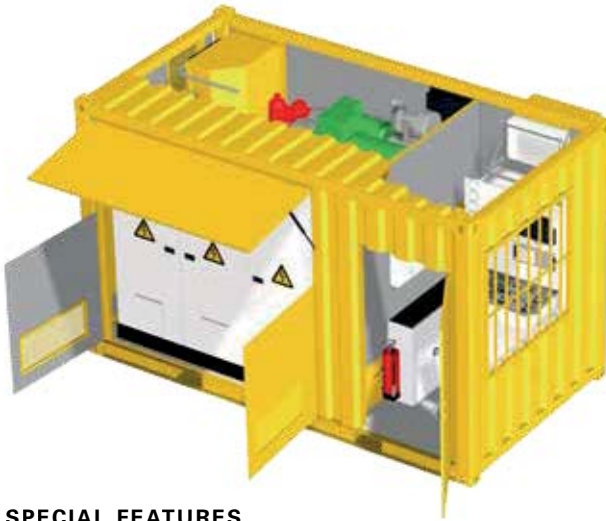


# CONTROL CONTAINER AVN250XC – AVND3000AB



## SPECIAL FEATURES

- Control Container with individual compartments separating hydraulics from electrics while operator and controls are protected in its own space.
- Three different sizes covering the entire range of AVN Microtunnelling machines – from AVN250 to AVN3000 and larger.
- Common controls layout and sets of matching functions and operational features.
- U.N.S. Guidance System providing a uniform platform for all aspects of tunnel navigation.
- MDT offering global remote access and troubleshooting for the customer and Herrenknecht service and support.
- DAE provides a single and simplified data analysis solution for interpretation of the drive records.
- PBA Data Communication Protocol.
- Optional 37-pin communication available for downward compatibility and legacy systems.
- Optional climate packages (for extreme environments).

		C20	C30	C40 <sup>1</sup>
<b>1. Technical Data</b>				
Hydraulic Oil Tank	ltr	1,000	1,500	2,300
Jacking Pump	kW	37	55	55
Flow Rate	ltr/min	0 – 50	0 – 80	0 – 80
Number of Interjacking Ports		2 – 4	2 – 4 – 6	4 – 6
Cutting Wheel Pump		✓	opt.	opt.
Rated Power	kW	55 – 110	75 – 132	90 – 132
Flow Rate	ltr/min	130 – 260	180 – 260	180 – 260
Frequency Converters for Feed & Slurry Discharge		2 – 3	2 – 4	2 – 4
Size (feed/discharge)	kW	30 – 55 / 30 – 45	55 – 90 / 45 – 90	90 – 160 / 90 – 160
<b>2. Long Distance Pipe Jacking</b>				
Automatic Bentonite Lubrication System		opt.	opt.	opt.
950V Transformers		opt. <sup>2</sup>	opt.	opt.
Cutting Wheel Main Drive	kVA	200 <sup>2</sup>	250	250 – 600
Slurry Discharge Pumps (machine/tunnel)	kVA	- / -	110 / -	110 – 200 / 110 – 200
<b>3. Controls &amp; Features</b>				
Fully Visualized Process Control & Data Logging		✓	✓	✓
Monitor for CCD Camera		opt.	✓	✓
Fuzzy Control (automatic steering)		opt.	opt.	opt.
Suitability U.N.S.: ELS		✓	✓	✓
ELS – HWL		opt.	opt.	opt.
GNS (Gyro)		opt.	opt.	opt.
<b>4. Dimensions (L x B x H)<sup>3</sup></b>				
	mm	4,600 x 2,450 x 2,800	5,600 x 2,450 x 2,800	6,100 x 2,450 x 2,800
Approx. Weight	kg	9,500	11,500	15,500

<sup>1</sup>suitable for Direct Pipe® (depending on configuration) <sup>2</sup>Connection for external transformer only <sup>3</sup>Shipping dimensions for informational purposes

Images and graphics may depict optional items.

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## FEATURES



**Operator Controls.** All containers are equipped with two touch screen monitors visualizing navigational information and machine status & functions independently. A third monitor (optional) provides video surveillance of the microtunneling machine underground and/or specific areas of the jobsite.



Controls & Communications.



Slurry Pump Connections.



**Safety.** Hydraulics, electrics and electronics are separated physically from each other providing an utmost level of system integrity in a highly integrated package.



**Ports & Connections.** All hydraulic ports and electric connections are located in the rear of the container. All gaps and openings are closed to keep unwanted visitors out.

## OPERATING RANGE

General operating range of Control Containers (depending on configuration) – for customized solutions, please contact your nearest representative.

	C20	C30	C40 <sup>1</sup>
AVN Machines			
C-Type	AVN250X – AVN1600T	AVN1200T – AVN2000A	AVN1500X – AVN2000A
B-Type	– <sup>2</sup>	up to AVN1600T / AVN1800A (AVN2000A <sup>3</sup> )	up to AVN3000A
D-Type	–	up to AVND1800A (AVND2000A <sup>3</sup> )	up to AVND3000A

<sup>1</sup>suitable for Direct Pipe® (depending on configuration) <sup>2</sup>with external transformer: C-type machines with power pack in trailing can <sup>3</sup>depending on configuration

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