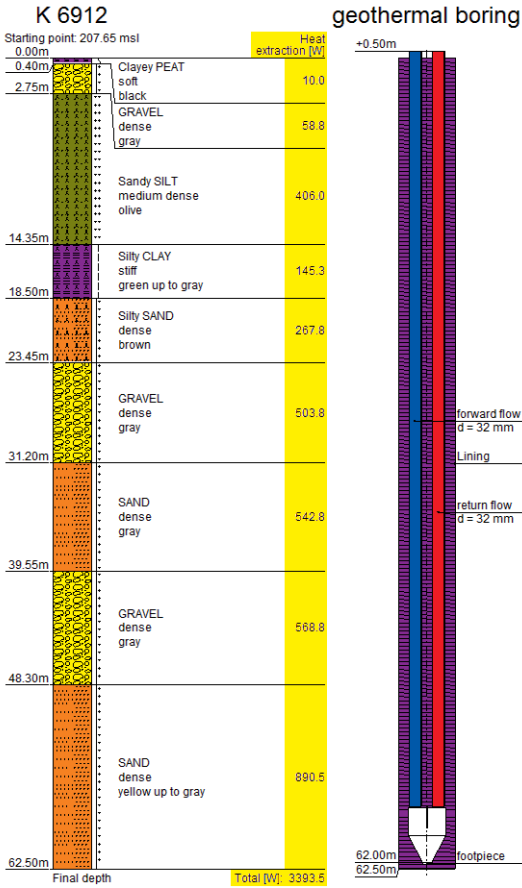


# DCBORE-Geotherm

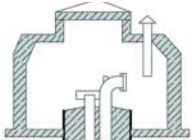
Heat extraction of geothermal borings acc. to VDI guideline 4640  
 Prediction of the capacity of borehole heat exchangers

NEWS



- Specific heat extraction for soil types acc. to VDI guideline 4640 part 2 (Thermal use of the underground)
- Calculation of the heat extraction for geothermal borings with the informations of the bore profile
- Display of the soil types acc. to DIN 4023, BS 5930, SN, OENORM
- Suggestion of the specific heat extraction for any soil type with input option
- Free definition by symbol editor
- Consideration of the ground water level for the distinction between dry and water-bearing soil
- Display at the bore profile as a short overview or in a clearly arranged table
- Data transfer of the table of heat extraction to MS Excel

Bore profile with heat extraction and display of the construction



K 6912 Heat extraction acc. to guideline VDI 4640 for 1800 annual operation hours, water level = 19.85 m					
No.	Soil type	Layer name	Thickness [m]	Spec. heat extraction [W/m]	Heat extraction [W]
1		Clayey PEAT	0.40	25.0	10.0
2		GRAVEL	2.35	25.0	58.8
3		Sandy SILT	11.60	35.0	406.0
4		Silty CLAY	4.15	35.0	145.3
5		Silty SAND	4.95	25.0 / 65.0 *	267.8
6		GRAVEL	7.75	65.0	503.8
7		SAND	8.35	65.0	542.8
8		GRAVEL	8.75	65.0	568.8
9		SAND	13.70	65.0	890.5
<b>Total</b>			<b>62.00</b>		<b>3393.5</b>

\* values above / below ground water

Clearly arranged table for the determination of the heat extraction

