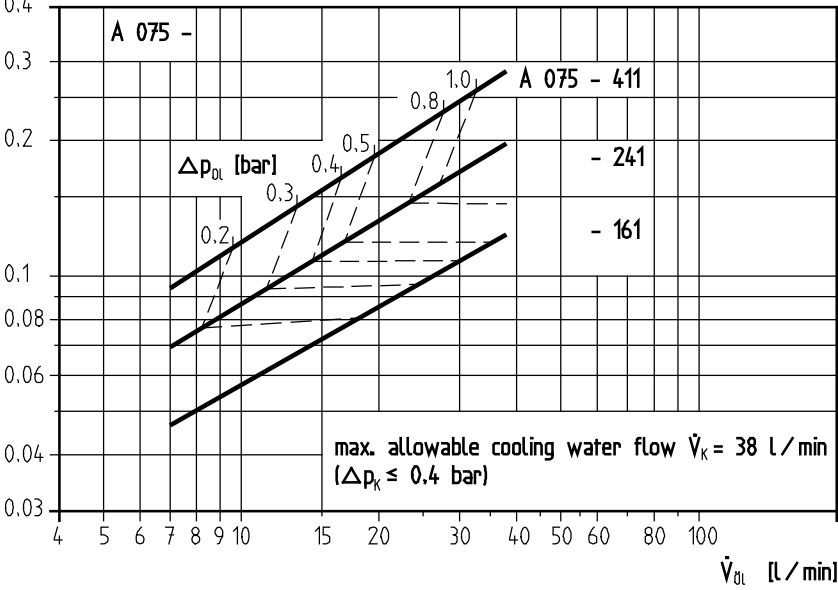


WE A 075	UNIVEX® Shell and tube heat exchanger Oil / Water A 075	Performance
Estimation formula	The following data are generally known: Dissipation loss P_V [kW] Oil flow $\dot{V}_{OI}$ [l/min] Inlet temperature t_{OIE} [°C] Cooling water flow $\dot{V}_K$ [l/min] Inlet temperature t_{KE} [°C] Oil: Temperature drop $\Delta t_{OI} = \frac{36 \times P_V}{\dot{V}_{OI}}$ [K]	From the following can be calculated: Entry - Temperature - Difference $ETD = t_{OIE} - t_{KE}$ [K] Specific cooling capacity with ETD = 1 K $P_{01} = \frac{P_V}{ETD}$ [kW/K] Cooling water: Temperature rise $\Delta t_K = \frac{14 \times P_V}{\dot{V}_K}$ [K]
Performance curves and pressure loss	P_{01} [kW/K] $\dot{V}_K = \dot{V}_{OI}$ $P_{01} + \Delta p_{OI}$ applicable for $\nu = 32 \text{ mm}^2/\text{s}$ A 075 -  A 075 - 