

4.2 Power supply units HVE

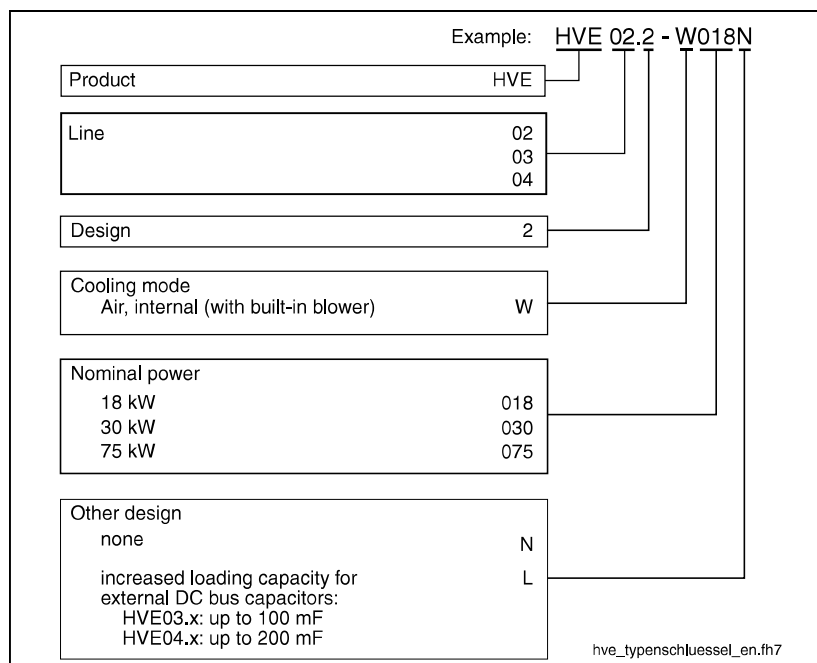


Fig. 4-3: Type code of power supply units HVE

A bleeder absorbs the energy regenerated by the HVE power supply units. Rexroth motors with a continuous mechanical power of 60 kW can be connected.

The HVE power supply units operate with unregulated DC bus voltage. The usable unit power depends on the power voltage. Therefore, power data for the connection to four mains nominal voltages are indicated:

- 3 x AC 380 V,
- 3 x AC 400 V,
- 3 x AC 440 V and
- 3 x AC 480 V.

The power supply units of the HVE series are available in three variations and 2 other types. The HVE0x.2-W0xxN type can, if necessary, be combined with the DC bus choke GLD. This makes an optimum adjusting to the power requirements of the application possible.

The HVE03.2-W030L type can charge DC bus capacitors up to 100 mF, the HVE04.2-W075L type can charge DC bus capacitors up to 200 mF.

Note: The types HVE03.2-W030L and HVE04.2-W075L **always have to be** combined with DC bus chokes of the GLD type. For the technical data of the DC bus choke GLD see chapter 6.2.

The HVE02.2 power supply unit is only available in type "N".