

Vacuum Cleaner Motor

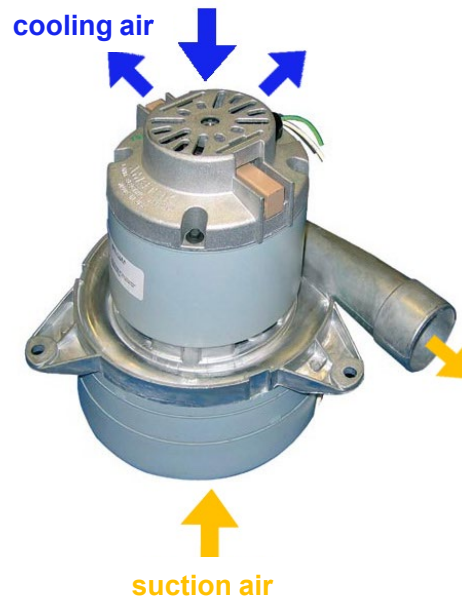
There are 2 Types of vacuum cleaner motors

Bypass-Motor

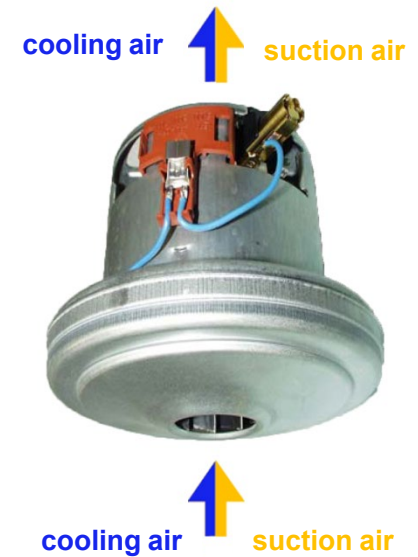
Peripheral Bypass



Tangential Bypass



Through-Flow-Motor



The number of superimposed fan wheels is indicated by the designation "single-stage", "two-stage" ... (bypass motor)

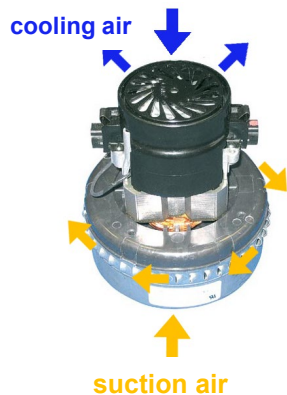
Vacuum Cleaner Motor

2 Types of vacuum motors

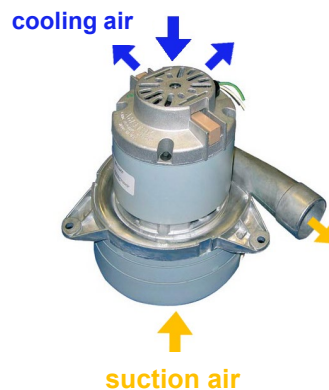
Bypass-Motor

Through-Flow-Motor

Peripheral Bypass



Tangential Bypass



- (+)** Separation of suction/cooling air
- increased energy consumption
 - Danger of dusty cooling air
 - reduced suction power
 - high sound level
 - low efficiency

- (-)** cooling air = suction air
- + optimized energy utilization
 - + high + filtered amount of cooling air
 - + optimized suction power
 - + low sound level
 - + higher efficiency

Performance Data

The indication of the electrical power consumption of the motor (for example: 1800 W)

does not say anything

about the effective suction power of the vacuum cleaner!

Motor

Electrical power consumption
[Watt]

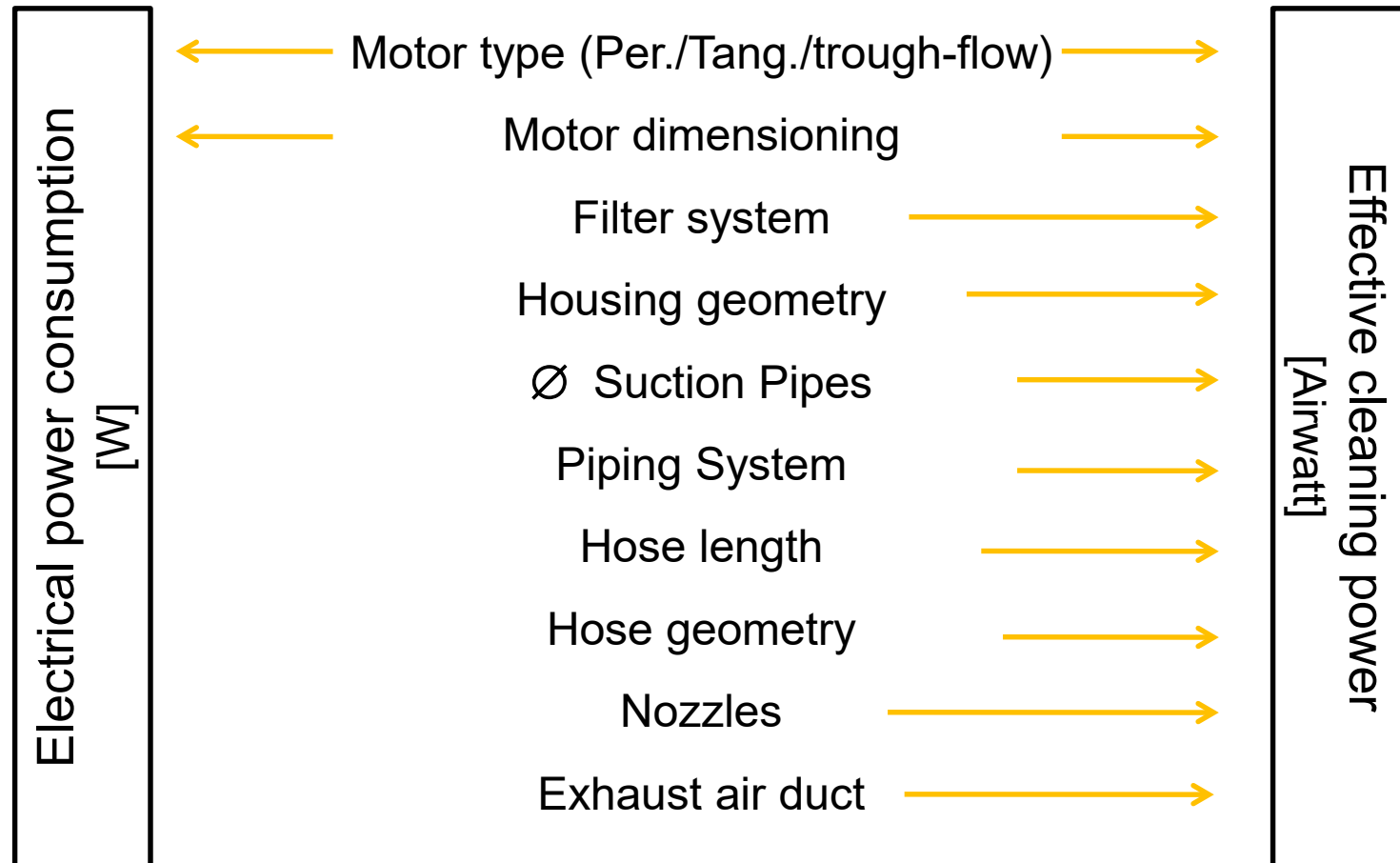


Vacuum cleaner

Effective cleaning
[Airwatt]

Performance Data

The performance is influenced by



Performance Data

The calculation of performance is based on:

