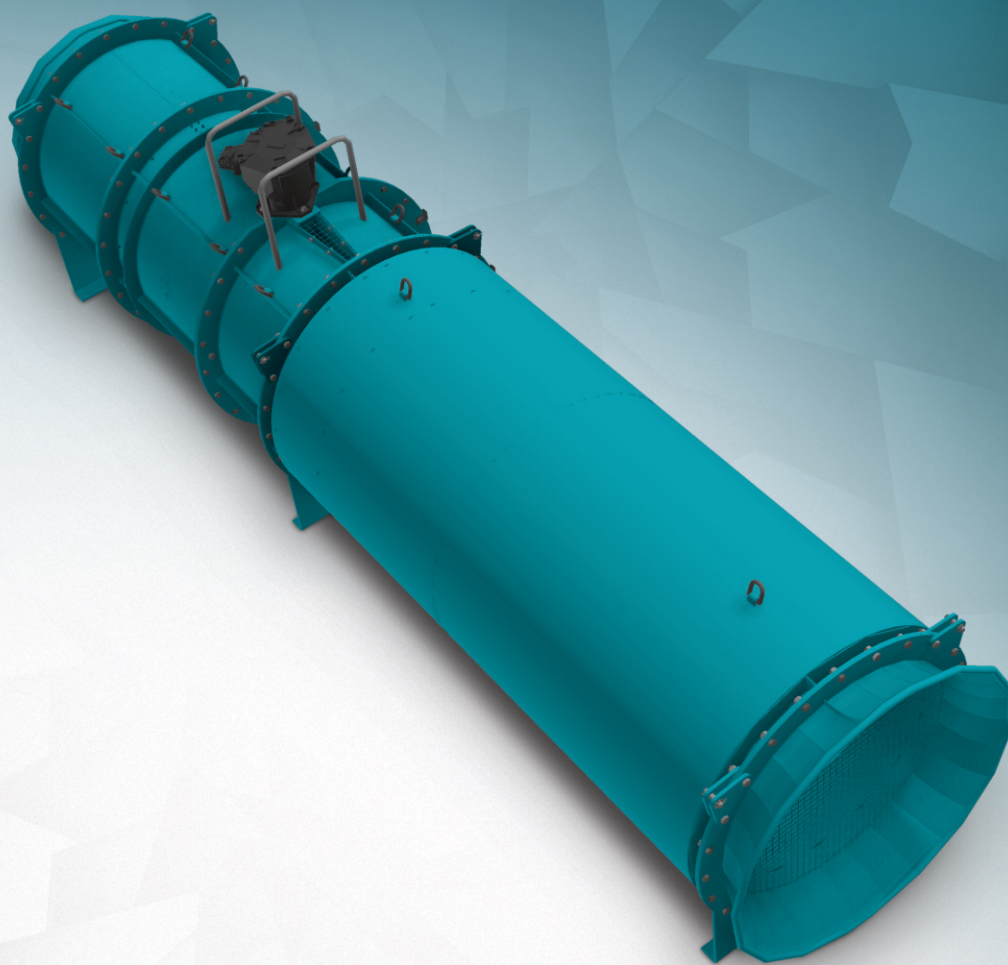




WL
SIGMA 1000
AXIAL FLOW FAN

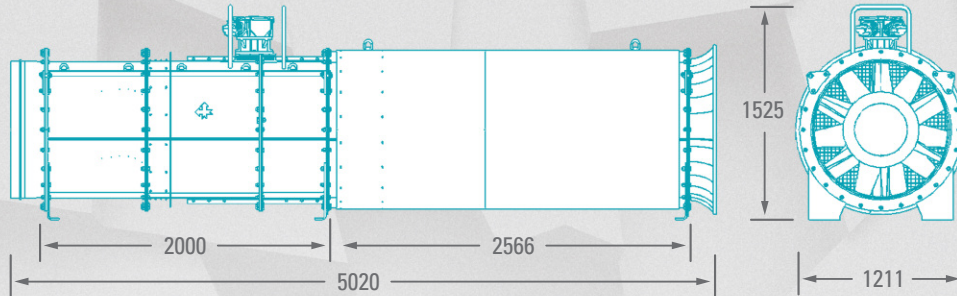


Axial flow fan WL-SIGMA 1000 is designed for independent/separate ventilation of mining excavations (e.g. in coal mines, copper mines). Due to its construction, axial flow fan WL-SIGMA 1000 can operate in forcing or exhaust ventilation system.

Axial flow fan WL-SIGMA 1000 can be applied in underground mining methane and non-methane excavations, considered as level "a", "b" and "c" area exposed to danger of methane explosion, as well as grade "A" and "B" danger of coal dust explosion. Axial flow fan has been classified as Group I, category M2 due to its application in areas exposed to danger of explosion (according to directive 2014/34/UE).

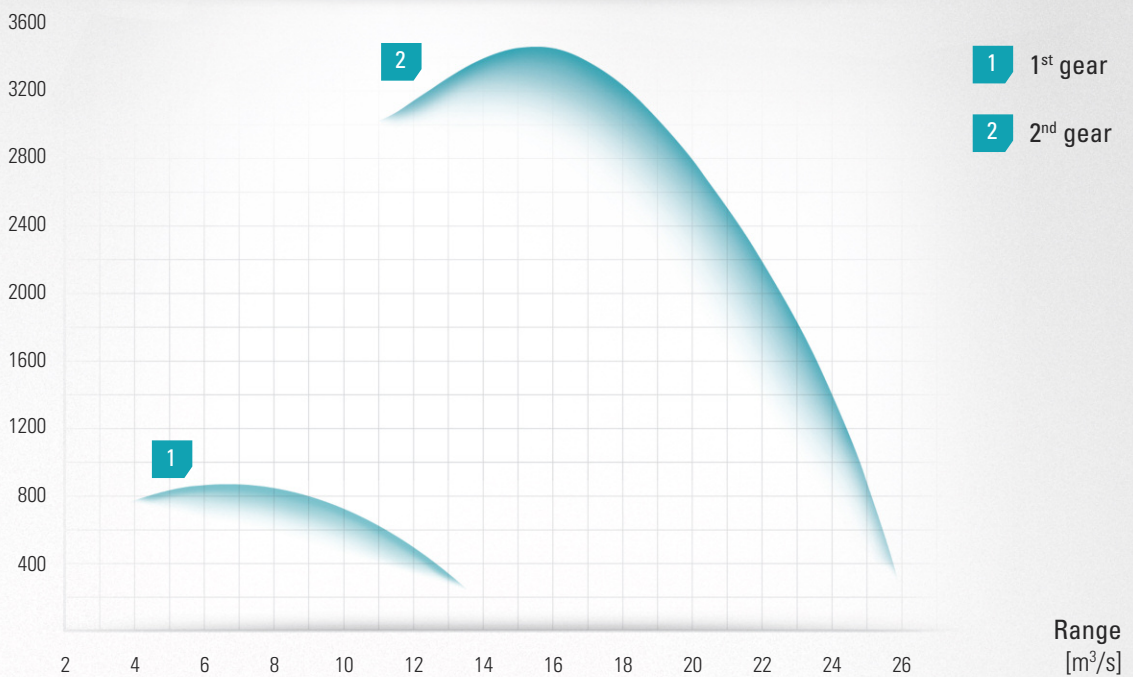
WL-SIGMA 1000
AXIAL FLOW FAN

DIAGRAM



CHARACTERISTICS

Pressure - Dp_c
[Pa]



TECHNICAL CHARACTERISTICS

NOMINAL VOLUMETRIC FLOW (Q) [m³/s] 8 (1st gear), 20 (2nd gear)

NOMINAL TOTAL PRESSURE INCREASE (P) [Pa] 860 (1st gear), 2900 (2nd gear)

MAX. TOTAL PRESSURE INCREASE (P) [Pa] 880 (1st gear), 3510 (2nd gear)

CAPACITY RANGE [m³/s] 4 – 13.5 (1st gear), 11 – 26 (2nd gear)

WEIGHT OF FAN [kg] ~ 1490

FAN INTERNAL DIAMETER [mm] 956

WORKPLACE TEMPERATURE [°C] from -10 up to +40

RELATIVE HUMIDITY AT 25°C [%] up to 100

APPLICABLE RATED VOLTAGE CHANGE [U_N] 0.95 – 1.05

INCREASE OF FORCING AIR TEMPERATURE [°C] 1 – 2