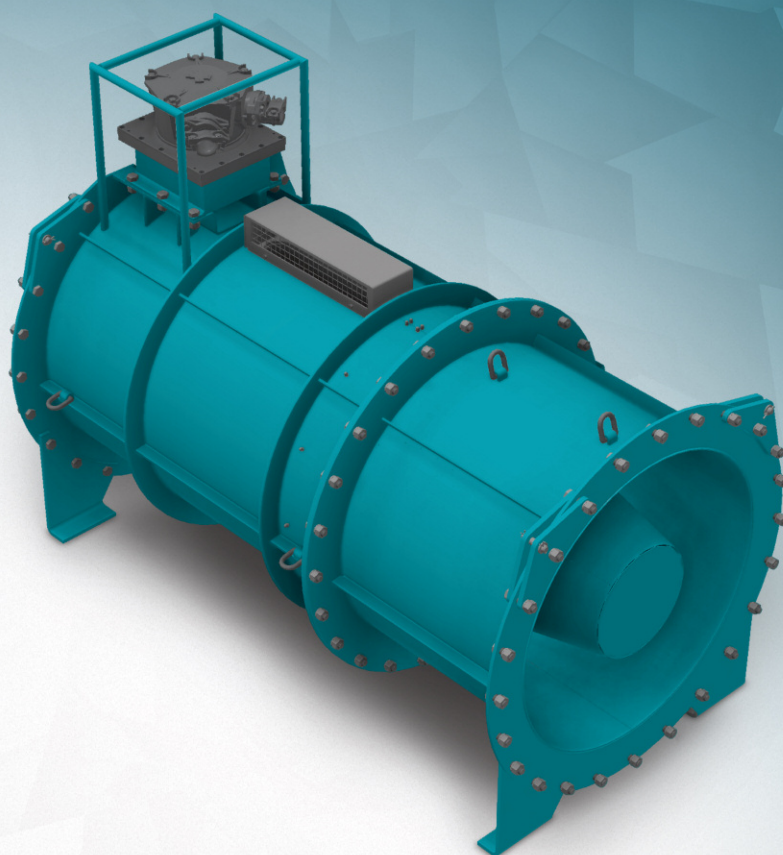




WL SIGMA 900-2

AXIAL FLOW FAN



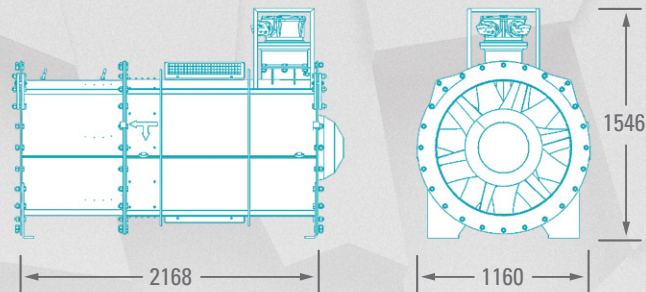
Double-stage (double geared motors) axial flow fan is designed for independent/separate ventilation of mining excavations (e.g. in coal mines, copper mines). Due to its construction, axial flow fan WL-SIGMA 900-2 is able to operate in forcing or exhaust ventilation system. Double geared motors of fan WL-SIGMA 900-2 allows to achieve soft start (no blow of pressure in air-duct in exhaust ventilation system) and progressive change of air parameters e.g. depending on excavation's length. Double geared motor is able to operate in constant mode on first, as well as on second gear.

Axial flow fan WL-SIGMA 900-2 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 900-2

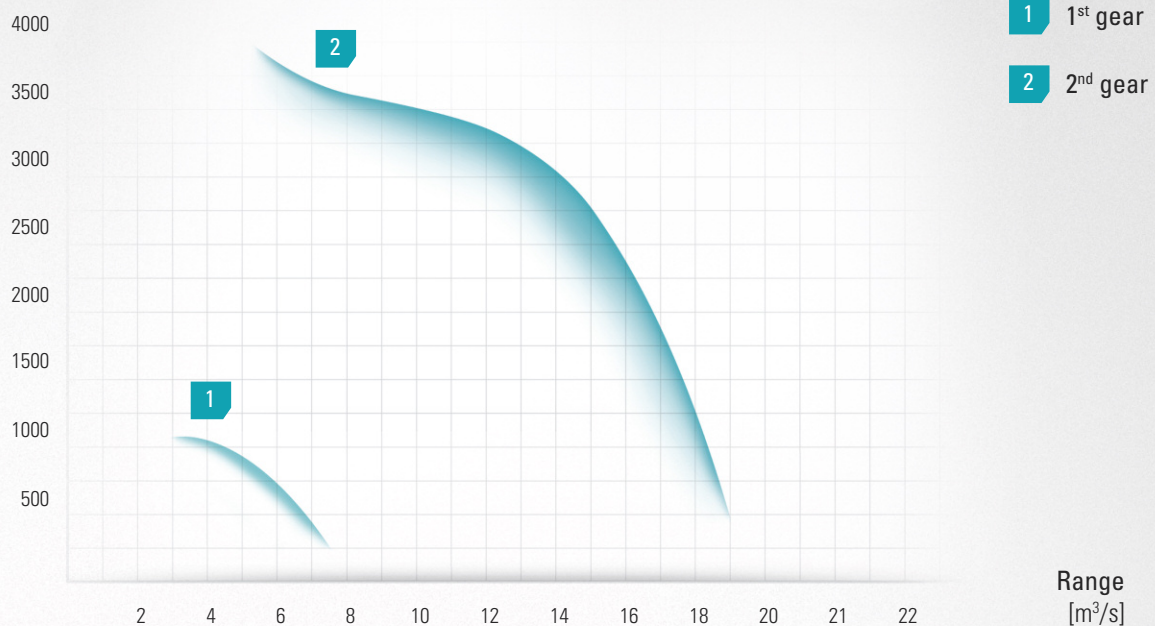
AXIAL FLOW FAN

DIAGRAM



CHARACTERISTICS

Pressure - Dp_c
[Pa]



TECHNICAL CHARACTERISTICS

NOMINAL VOLUMETRIC FLOW (Q) [m ³ /s]	11.7	FAN INTERNAL DIAMETER [mm]	900
NOMINAL TOTAL PRESSURE INCREASE (P) [Pa]	3210	WORKPLACE TEMPERATURE [°C]	from -10 up to +40
MAX. TOTAL PRESSURE INCREASE (P) [Pa]	1000 (1 st gear) 3750 (2 nd gear)	FAN EFFICIENCY [%]	80 (2 nd gear)
CAPACITY RANGE [m ³ /s]	3 – 7.5 (1 st gear) 5.5 – 19 (2 nd gear)	INCREASE OF FORCING AIR TEMPERATURE [°C]	1 – 2