



LW SIGMA 800

WHIRL FLOW AIR DUCT

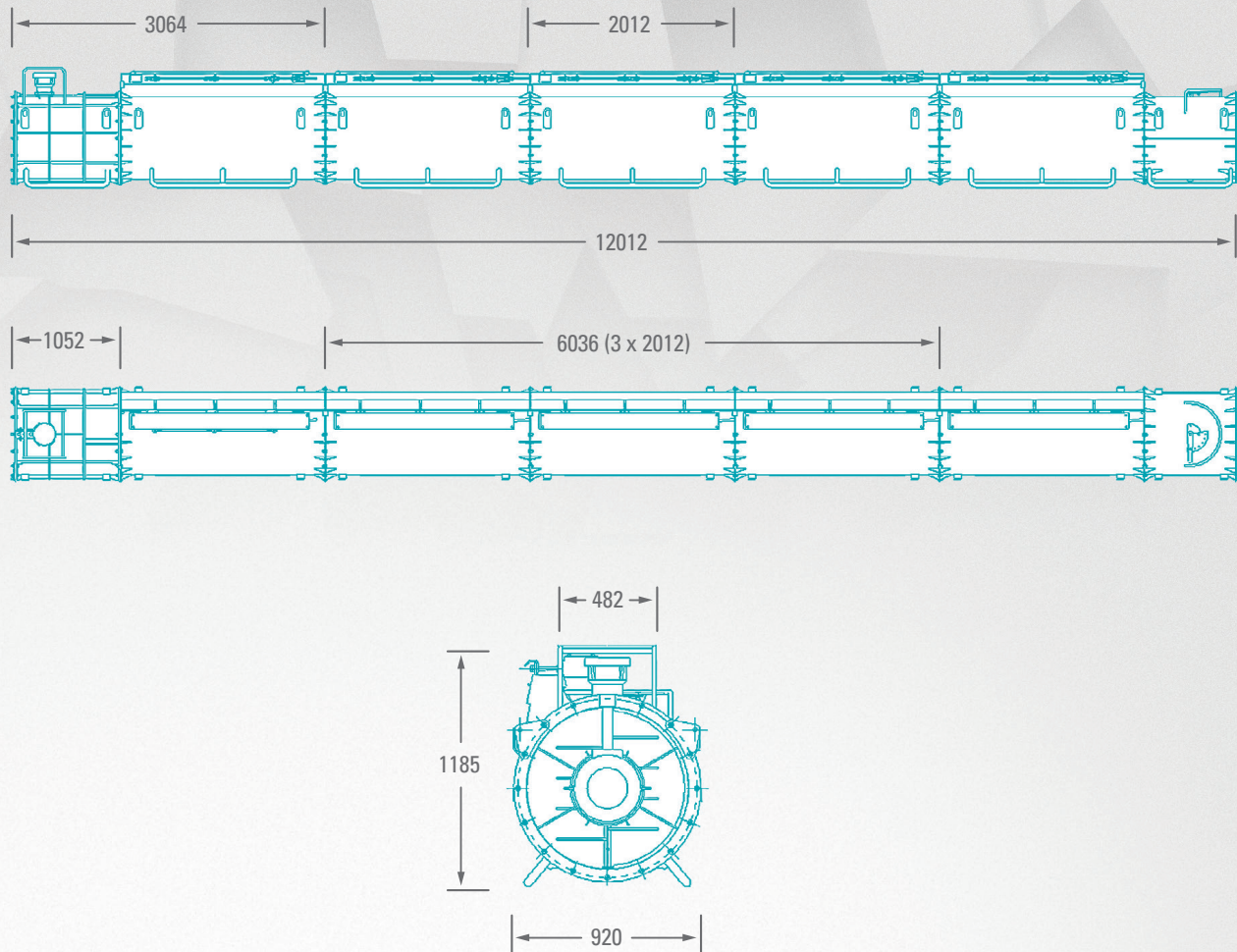


Whirl flow air duct LW-SIGMA 800 is designed for ventilation of mining excavations (e.g. in coal mines, copper mines) in order to regulate the air flow in combined ventilation system including auxiliary exhaust air duct with dedusting device. During application the whirl flow air duct LW-SIGMA 800 removes methane accumulated in heading face and prevents from air flow blow on the side wall.

Whirl flow air duct LW-SIGMA 800 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. Whirl flow air duct LW-SIGMA 800 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).

LW-SIGMA 800

WHIRL FLOW AIR DUCT

DIAGRAM**TECHNICAL CHARACTERISTICS**

NOMINAL VOLUMETRIC FLOW (Q) [m³/s]	6 – 13	VOLTAGE [V]	500
AIR DUCT'S SEGMENT DIAMETER [mm]	800	POWER OF DRIVE UNIT [kW]	18.5
AIR DUCT LENGTH (INCLUDING SLOT) [m]	10	WHIRLING ARM'S SPEED [rpm]	2925
DIAMETER OF AIR DUCT INFLOW [mm]	800	SLOT WIDTH ADJUSTMENT RANGE [mm]	40 – 100