

# Dual blower unit for LM 3086 EPA3 / SE / SER



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**960-009 dual blower unit** is designed to work with MIP LM 3086 EPA3 / SE / SER dust monitors. One dual blower unit can serve purge air for one LM 3086 series dust monitor. This blower model is suitable for LM 3086 SE starting sn: 3195139, LM 3086 EPA3 starting sn: 730363 and all LM 3086 SER dust monitors.

Standard model is with 19 mm air hose. The 38 mm version is designed for installations, where the blower unit may not be installed in close proximity to the receiver / transmitter units.

## **Blo3-SD19-SP, air hose inside diameter 19 mm (standard model)**

### **Standard delivery includes:**

- Blower with operation voltage 230 V/50Hz
- 5 m steel wire enforced air hose; inside diameter 19 mm
- Two-stage filtering: Large volume coarse air filter and 1µm @99 % fine particle filter.
- IP55 (NEMA 12) compliance

## **Blo3-SD38-SP, air hose inside diameter 38 mm**

The 38 mm version is designed for installations, where the blower unit may not be installed in close proximity to the receiver/transmitter units.

### **Standard delivery includes:**

- Blower with operation voltage 230 V/50Hz
- 5 m steel wire enforced air hose; inside diameter 38 mm
- Two-stage filtering: Large volume coarse air filter and 1µm @99 % fine particle filter.
- IP55 (NEMA 12) compliance

# Dual blower unit for LM 3086 EPA3 / SE / SER

MODEL DETAILS	BLO3 SD19-SP	BLO3 SD38-SP
Order code	960-009	960-009
Designed for	LM 3086 SE starting sn: 3195139, LM 3086 EPA3 starting sn: 730363 and all LM 3086 SER dust monitors	LM 3086 SE starting sn: 3195139, LM 3086 EPA3 starting sn: 730363 and all LM 3086 SER dust monitors
Air hose (inside dia.)	2 x 19 mm	2 x 38 mm
IP rating	IP 55	IP 55
Enclosure material	Stainless steel, AISI 304	Stainless steel, AISI 304
Dimensions HxWxD (box / mounting room)	35 x 41 x 31 cm / 44 x 45 x 31 cm Note, additional 20 cm is needed below for air hose	35 x 41 x 31 cm / 44 x 45 x 31 cm Note, additional 20 cm is needed below for air hose
Weight (blower unit only)	20 kg	20 kg

TECHNICAL DETAILS		
Voltage	1-phase 230 V, 0,4 kVA	1-phase 230 V, 0,4 kVA
Frequency	50 Hz	50 Hz
<b>Current consumption</b>		
Current on light load	1,6 A	1,6 A
Current on heavy load	2,9 A	2,9 A
Motor capacitor	25 µF / 450 VAC	25 µF / 450 VAC
Air flow (typical values)	0,92 m <sup>3</sup> / min	0,92 m <sup>3</sup> / min
to receiver unit (840-011) with 5 m long air hose	250 liters /min	470 liters /min
to transmitter unit (930-006) with 5 m long air hose	350 liters /min	470 liters /min
Max pressure	145 mbar	145 mbar
Air hose (inside dia)	2 x 19 mm	2 x 38 mm
Intake filter type (fine filter)	851Z (Solberg)	851Z (Solberg)
Filtration fine / coarse	1µm @ 99,9% / G4 (EN779)	1µm @ 99,9% / G4 (EN779)
Enclosure ventilation (coarse filter)	4 x PFA20.000 (Pfannenberg)	4 x PFA20.000 (Pfannenberg)
Filter mats (coarse filter)	18611600034 (Pfannenberg)	18611600034 (Pfannenberg)
Max. distance (blower – receiver) (stack press. < 0mbar)	12 m	12 m
Amb. temperature range	-20 to +60 °C (recommended -5 to +40 °C)	-20 to +60 °C (recommended -5 to +40 °C)



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