



INDUSTRIAL FUME EXTRACTION SYSTEMS

Technical Comparison Sheet – 2026 Product Line

1 Product Overview Comparison

MODEL	TYPE	AIRFLOW	MOTOR POWER	VOLTAGE	PHASE	RPM	PROTECTION	CLEANING SYSTEM	ARM CONFIGURATION
MAC 1	Extractor with activated charcoal filter	1400 CFM	1.5 HP (1.1 kW)	115/208–230V	1Ø	3500 RPM	IP55	Manual	10 ft / 14 ft Arm
MAC 2	Extractor with activated charcoal filter	1050 CFM	1 HP (0.75 kW)	115/208–230V	1Ø	3450 RPM	IP54	Manual	10 ft / 14 ft Arm
SFE-1201	Single Arm Extractor	1650 CFM	4 HP (3 kW)	230V	1Ø	3460 RPM	IP44	Automatic	10 ft Arm
SFE-1201-2	Dual Arm Extractor	1650 CFM	4 HP (3 kW)	230V	1Ø	3460 RPM	IP44	Automatic	10 ft Arm
SFE-1301	Portable Extractor	1760 CFM	3 HP (2.2 kW)	230V	1Ø	3360 RPM	IP54	Manual	7 ft / 10 ft Arm

Application Matrix

Application	MAC 1	MAC 2	SFE-1201	SFE-1201-2	SFE-1301
Light Welding	✓	✓	✓	✓	✓
Heavy Welding	✓	✓	✓	✓	✓
Dual Station Use	—	—	—	✓	—
Portable Use	✓	✓	✓	✓	✓
High Dust Environment	✓	✓	✓	✓	✓
Fine Particulate (0.3 µm)	✓	✓	✓	✓	✓

Standard MAC Models (MAC1-2)

MAC 1 – 1.5 HP Industrial Motor

Motor Brand: WEG

Power: 1.5 HP (1.1 kW)

Voltage: 115 / 208–230V

Frequency: 60 Hz

Phase: Single Phase

Full Load Current: 13.2 / 7.3–6.6 A

Service Factor: 1.15

RPM: 3500

Frame: 56C

Insulation Class: F

Temperature Rise: 80K

Enclosure: TEFC

Protection Rating: IP55

Ambient Rating: 40°C

Efficiency: 75%

Altitude Rating: 1000 m.a.s.l

Thermal Protection: Yes



◆ **MAC 2 – 1 HP Industrial Motor**

Motor Brand: Leeson (Regal Rexnord)

Power: 1 HP (0.75 kW)

Voltage: 115 / 208–230V

Frequency: 60 Hz

Phase: Single Phase

Full Load Current: 13.6 / 7.6–6.8 A

Service Factor: 1.15

RPM: 3450

Frame: 56C

Insulation Class: B

Enclosure: TEFC

Protection Rating: IP54

Ambient Rating: 40°C

Manual Reset Protector: Installed



3 High-Performance Extraction Models

◆ **SFE-1201 – Single Arm Fume Extractor**

Airflow: 1650 CFM

Motor: 4 HP (3 kW)

Voltage: 230V / 60Hz / 1Ø

Full Load Current: 17A

RPM: 3460

Insulation Class: B

Protection: IP44

Filtration Efficiency: ≥99.9% @ 0.3 µm

Filter Type: Nano Flame-Retardant

Cleaning System: Automatic

Arm Length: 3 m (10 ft)

Noise Level: ≤75 dB



◆ **SFE-1201-2 – Dual Arm Fume Extractor**

Airflow: 1650 CFM

Motor: 4 HP (3 kW)

Voltage: 230V / 60Hz / 1Ø

Full Load Current: 17A

RPM: 3460

Insulation Class: B

Protection: IP44

Filtration Efficiency: ≥99.9% @ 0.3 µm

Filter Type: Ahlstrom Nano Flame-Retardant

Cleaning System: Automatic

Arms: 2 × 3 m (10 ft)

Noise Level: ≤75 dB



◆ **SFE-1301 – Portable Fume & Dust Extractor**

Airflow: 1760 CFM

Motor: 3 HP (2.2 kW)

Voltage: 230V / 60Hz / 1Ø

Full Load Current: 9.4A

RPM: 3360

Insulation Class: A

Protection: IP54

Filtration Area: 5 m² (54 sq ft)

Cleaning System: Manual

Arm Options: 7 ft / 10 ft Stainless Steel

Mobility: Lockable Caster Wheels

Noise Level: ≤75 dB



◆ **SFE-1301 – Portable Fume & Dust Extractor**

Airflow: 1760 CFM

Motor: 3 HP (2.2 kW)

Voltage: 230V / 60Hz / 1Ø

Full Load Current: 9.4A

RPM: 3360

Insulation Class: A

Protection: IP54

Filtration Area: 5 m² (54 sq ft)

Cleaning System: Manual

Arm Options: 7 ft / 10 ft **Complete Hose**

Mobility: Lockable Caster Wheels

Noise Level: ≤75 dB



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