

Standard Air Compressors (LPC compliant)

Data sheet for SEP1.8T with or without air receiver



Description

Brand new for 2022 is our upgraded replacement for the stalwart that has been the SEP850T, and the receiver model incorporates our new compact design.

This particular pump is a high-specification model from our supplier's premium range, and gives a higher output for a comparative size motor, improving efficiencies.

The compressor comprises an air-cooled reciprocating air compressor pump unit, which is driven directly by a three-phase 400v/1.8kw electric motor. The compressor is mounted upon a buffered base plate for protection. The receiver model includes a 24L CE-marked air receiver, underhanging for easy installation, and uses our new compact design, reducing height by 15cm and weight by 10kg.

Floor- and riser-mounting kits are available as an option. Filter/regulators and air maintenance devices are available for use with receiver models.

The compressor is specifically designed and built to help you meet as many LPCB guidelines as possible; the only additional requirement for an FM system is an air receiver. Our design includes:

- A quality Danfoss pressure switch to enable automatic "stop/ start" control (standard settings below).
- Unloading valve and non-return valve to release pressure once the compressor stops.
- Safety relief valve and thermal overload for pressure and electrical protection.
- On-delay timer to prevent early cut-in in case of sprinkler activation (excluded on request).
- 63mm glycerine filled pressure gauge.
- 24 litre air receiver with manual drain tap (auto-valve available on request).

Technical information

Voltage input	400-415v (3ph)	
Power output	1.8kw/2.5hp (FLC 3.5A)	
Air output	Gross 8.7cfm/250lpm (approx. FAD @ 2bar 7.2cfm/205lpm)	
Maximum pressure	5.5bar (restricted by safety relief)	
Standard pressure settings	Cut-out 3.5bar, cut-in ~2.6bar	
Outlet	Flexible 3/8" hose with 1/2" adaptor (0.5m supplied; 1m available)	
Noise level	77 dB(A)	
	Non-receiver	Receiver
Dimensions	W57cm D31cm H36cm	W62cm D36cm H67cm
Weight	25kg	48kg

IMPORTANT: 3-phase power supply

If you have a **5-wire** supply (3 phases, earth and neutral) then you will be able to install either model, although the **SEP1.8T/WT/LPC** (with timer) is the recommended option.

If you have only a **4-wire** supply (3 phases and earth, no neutral) then you **must** only install the **SEP1.8T/NT** (no neutral/timer).

Important

Non-receiver models **must** be connected to 'open' pipework to prevent damage to the compressor. If you wish to use an air maintenance device, regulator or restricted orifice, then a receiver model must be installed.