

# 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)	
	<b>Non-receiver</b>	<b>Receiver</b>
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.