

Standard Air Compressors (LPC compliant)

Data sheet for SEP23T with or without air receiver



Description

The compressor comprises a two-stage air compressor pump unit which is driven via an enclosed belt by a 3-phase 400v/5.5kw electric motor. The compressor is mounted upon a powder coated steel base plate (base-mount models) or a CE-marked 270L air receiver (receiver-mounted models). Filter/regulators and air maintenance devices are available for use with receiver models.

The SEP compressor trim 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 – if required cut-out is below 2.5bar, or differential below 0.9bar then a 'low pressure' model is required).
- an unloading valve and non-return valve to release pressure once the compressor stops;
- a 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 or if no neutral).
- a glycerine filled pressure gauge;
- outlets for both system and test (or receiver drain).

Technical information

Voltage input	380-415v (3-phase)	
Power output	5.5kw/7.5hp (FLC 12A)	
Displacement/output	Gross 29.7cfm/820lpm (FAD @ 2bar ~23cfm/650lpm)	
Maximum pressure	5.5bar (restricted by safety relief)	
Standard pressure settings	Cut-out 3.5bar, cut-in ~2.6bar (see above)	
Outlet	Flexible 1m ½" hose with BSP adaptor	
Noise level	77 dB(A)	
	Non-receiver	Receiver
Dimensions	W90cm D45cm H90cm	W150cm D55cm H110cm
Weight	70kg	150kg

IMPORTANT: 3-phase power supply – please confirm when ordering

If you have a **5-wire** supply (3 phases, earth and neutral) then you will be able to install the compressor with or without neutral, although the 'with neutral/timer' option is recommended.

If you have only a **4-wire** supply (3 phases and earth, no neutral) then you will only be able to install the model without 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.