

## Scroll Type Air Compressors

**SCROLL-X**

# No noise is Good noise!

**3kW – 7.5kW** Silent, Oil-Lubricated, Direct Drive Technology  
*Advanced Energy Saving Compressed Air Solutions*





# SILENT **SCROLL-X** SERIES

Scroll Compressor

*WestAir Pneumatics is pleased to introduce the latest in advanced compressed air technology.*

**Scroll-X** is the perfect low noise alternative to a noisy, vibrating piston style air compressor. Modern workplaces are smaller, with neighbouring businesses located closer together, which can make it necessary to locate the air compressor inside the building. With low noise being a critical health and safety requirement, the **Scroll-X** compressor is an economical and quieter alternative to a cabinet-style piston or rotary screw compressor.

**The new Scroll-X oil injected scroll compressor is whisper quiet, energy saving, direct drive, vibration free and is extremely reliable with minimal moving parts and long running duty cycles.**



*Advanced Energy Saving Compressed Air Solutions*

## Scroll-X delivers better value all round:

- ✔ **Super Quiet - as low as 57dBa**  
 - Perfect for installing inside a workplace.
- ✔ **50% Cheaper to buy than many screw compressors**  
 - Comparable pricing to many quality reciprocating compressors.
- ✔ **Reliable and Durable Advanced Technology**  
 - Simple layout with very few moving parts.
- ✔ **Low maintenance**  
 - Periodical change of filters and oil.  
 No belts to change.
- ✔ **Compact & Versatile**  
 - Small foot print. Tank mounted and Air Dryer Options.



Scroll-X SX-T

## FEATURES INCLUDE:

- 3-7.5kW
- 8 bar max pressure
- 13CFM to 31CFM
- Direct drive
- Single or three phase option
- Energy saving intelligent micro controller
- Schneider electrical components
- SKF bearings in airend and motor
- Air receiver complies with Australia Standard AS1210
- MEPS 2 Registered motors
- Overload and temperature safety protection
- Large oversized coolers designed for Australian conditions
- Seamless steel used on all oil pipes



Scroll-X SX-TD



# WHY **CHOOSE** A **SCROLL** COMPRESSOR?

## ✓ **SCROLL COMPRESSOR**

- ✓ Silent operation
- ✓ Vibration free
- ✓ 85% duty cycle
- ✓ 15-20% more efficient
- ✓ 70% less moving parts
- ✓ Direct drive

**VS**

## ✗ **PISTON COMPRESSOR**

- ✗ Noisy
- ✗ Heavy vibration
- ✗ 40-50% max duty cycle
- ✗ 30% efficiency loss
- ✗ 70% more moving parts
- ✗ Belt driven

## INTELLIGENT PATENTED MICRO CONTROLLER

The intelligent patented micro PLC controller is very user friendly. It has signals for pressure, temperature, volts and current, which monitor the running of the compressor. With a secured code, setting up or changing parameters in the system can be achieved easily using the buttons on the display.

### THE DISPLAY HAS READINGS FOR:

- Amps and volts
- Service intervals
- Pressure
- Temperature
- Current
- On load and off load hours
- Reverse anti-rotation
- Date and time
- Fault history
- Multiple monitoring alarms

### CONTROLLER OPTIONS:

- Remote stop/start
- RS485 connection

Emergency stop

## Two mounting options unique to the WestAir Scroll-X

For ease of installation and to reduce floor space needed, all WestAir **Scroll-X** models are available mounted on an economically priced, air receiver tank.

Models (5.5kW and 7.5kW) are also available assembled on a larger air receiver tank with an all-in-one "Dry air Pack" air treatment system.

**SCROLL-X**  
Always Delivering  
Outstanding VALUE!



### SX-T Tank Mounted

- Available in 3-7.5kW
- 200L/270L Tank



### SX-TD All in one Full Dry Air Pack

- Available in 5.5-7.5kW
- Complete with dryer, pre and post filters and stainless-steel bypass system
- Condensate manifold
- 320L Tank

## SCROLL-X all in one Full Dry Air Pack

The SX Scroll all in one unit is a compact design that consists of the scroll compressor, air receiver, refrigeration air dryer, pre & post air filters, stainless steel bypass system and condensate manifold.

### STAINLESS STEEL BYPASS

The airline installation design includes a bypass and condensate manifold system which saves you money on installation costs.

### AIR DRYER EASY TO REMOVE

The refrigeration air dryer is NOT integrated with the scroll compressor and is fitted with a stainless steel bypass, so if any issues arise with the dryer it is easily removed without interrupting your air supply.

### COMPACT FOOTPRINT

Small compact footprint, which helps increase the usage of your valuable floor space.

### PRE & POST FILTRATION

Pre and post filters are fitted with the refrigeration dryer to give an air quality of 0.01 micron, which is classed as instrument quality air.

### WASTE CONDENSATE

Waste condensate is neatly piped into a manifold which comes out of one exit point to be fitted to either an oil water separator or waste oil container.







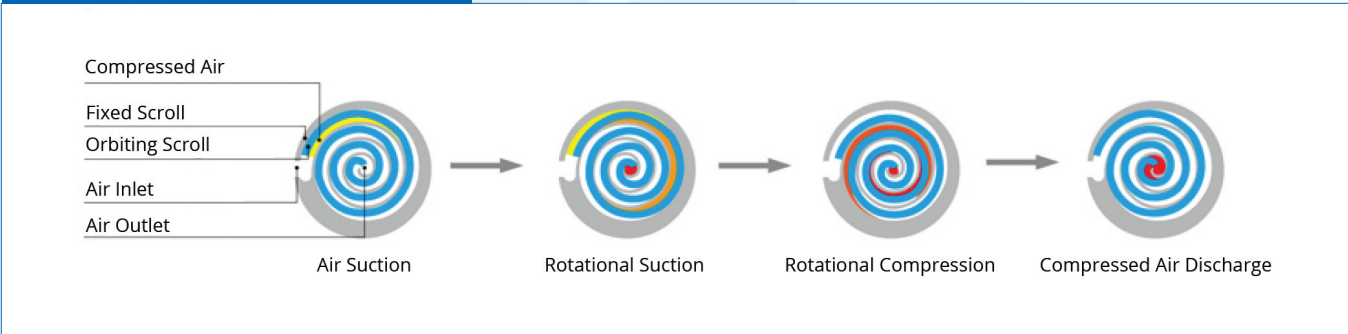
# HOW A **SCROLL-X** SERIES WORKS

Unlike reciprocating technology with many moving parts, the **Scroll-X** scroll compressor has one orbiting scroll and one fixed scroll. The orbiting scroll is coupled to the crankshaft in orbit rather than rotated. The orbiting motion creates a series of air pockets travelling between two scroll plates.

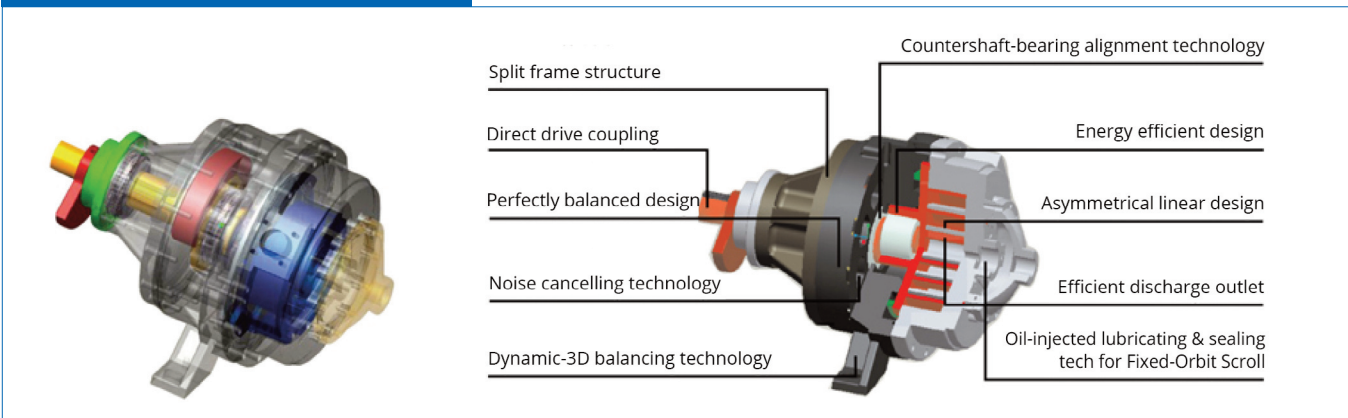
On the outer portion of the scroll, the pocket draws in the air then moves it to the centre of the scroll, where it is discharged.

As the air moves in the increasing smaller inner pocket, the pressure increases to the desired discharged pressure. The **Scroll-X** is oil injected which lubricates and regulates the temperature of the scroll which enables long running duty cycles to be achieved.

## WORKING PRINCIPLE



## PRIMARY STRUCTURE



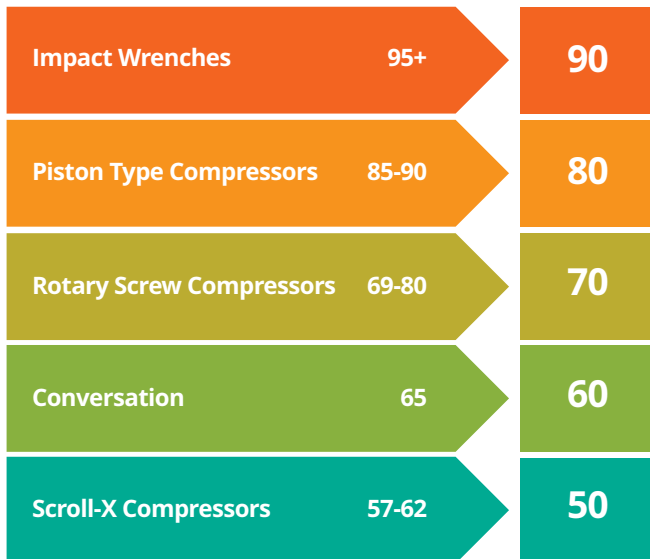
## SPECIFICATIONS

Model	Mounting Options	Pressure		Motor		Flow		Dimensions		Next Level (+/-3dBa)
		Bar	Psig	kW	Hp	m <sup>3</sup> /min	cfm	LWH (cm)	Weight (kg)	
<b>240V Single Phase (20 amp)</b>										
SX3S-T	+ 200L Tank	8	116	3	4	0.37	13	85 x 55 x 128	210	57
<b>415V / 50Hz Three Phase</b>										
SX4-T	+ 200L Tank	8	116	4	5.5	0.51	18	85 x 55 x 128	210	57
SX5.5-T	+ 270L Tank	8	116	5.5	7.5	0.68	24	100 x 60 x 145	290	59
SX5.5-TD	+ 320L Full Dry Air Pack	8	116	5.5	7.5	0.68	24	160 x 80 x 145	330	59
SX7.5-T	+ 270L Tank	8	116	7.5	10	0.88	31	100 x 60 x 145	300	59
SX7.5-TD	+ 320L Full Dry Air Pack	8	116	7.5	10	0.88	31	160 x 80 x 145	330	59

## QUIET Noise Levels

WestAir **Scroll-X** compressors are possibly the quietest industrial grade compressors available.

With a pulse free operation and a sound level that is rated at a similar level to a conversation, it is perfect for installing inside a factory or workshop.



# No noise is Good noise!

## WARRANTY

**All WestAir compressors are covered by a generous warranty.** WestAir warrant non-service parts for 1 year from date of purchase. The warranty is conditional on the compressor being serviced regularly using genuine WestAir parts. The warranty included limited, fair and reasonable on-site labour to repair any warranty issues. All warranties are subject to prior assessment and approval by WestAir. Travel costs to site are excluded.

**For a full warranty statement, please contact WestAir.**

## AIR TREATMENT Clean, Dry Air Options

Whenever air is compressed, the humidity in the air becomes more concentrated. If this moisture is not removed then it can affect downstream equipment, your production or your spray paint job.

**Our range includes:**

- Refrigerated Air Dryers
- Coalescing Filtration (Removes solids and oil vapours to as low as 0.01 micron)
- Activated carbon filters (Removes oil odours from the air)
- Water Separators
- Vertical Air Receivers

[www.westairps.com.au](http://www.westairps.com.au)



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