

ELSCR Series

Rotary Oil free scroll air compressor

5.5HP | 7.5HP | 10HP | 15HP | 20HP | 30HP



EL-AV Compressors LTD

Features

Design

Unique and innovative design with easy and simple access to maintenance

Oil free

Oil free compressed air that meets the ISO8573-1 CLASS 0 standard

Quiet and smooth

Compressor operation is quiet and smooth

Low cost

Low annual maintenance cost

Unique patents

Scroll compression unit with unique patents for high efficiency and durability

An advanced controller

An advanced controller with a colorful touch screen, convenient and simple to use interface which controls all compressor systems



Central control system

Option to connect to a central control system by modbus protocol, as standard for 15 Hp and above

- Temperature resistance of up to 230 °C / 446 °F in the compression chamber
- VFD as standard up to 10 HP and Multi scroll control between 15-30 Hp, for maximum energy efficiency by adjusting the compressor output to the actual air consumption
- Working pressure from 6 to 10 bar(g) / 87 to 145 psi
- Variable Compressed air from 250 to 2550 l/min or 3 to 90.1 cfm (up to 3400 l/min or 120 cfm upon special request)



Air inlet

Filtering elements prevent external particles to access compressor chamber

Air outlet

Oil less compression chamber from treated Aluminium diecast for high quality air

Neo involute SCROLL WRAP

Effective aluminium heat radiation fin for higher efficiency and long life

Grease nipple

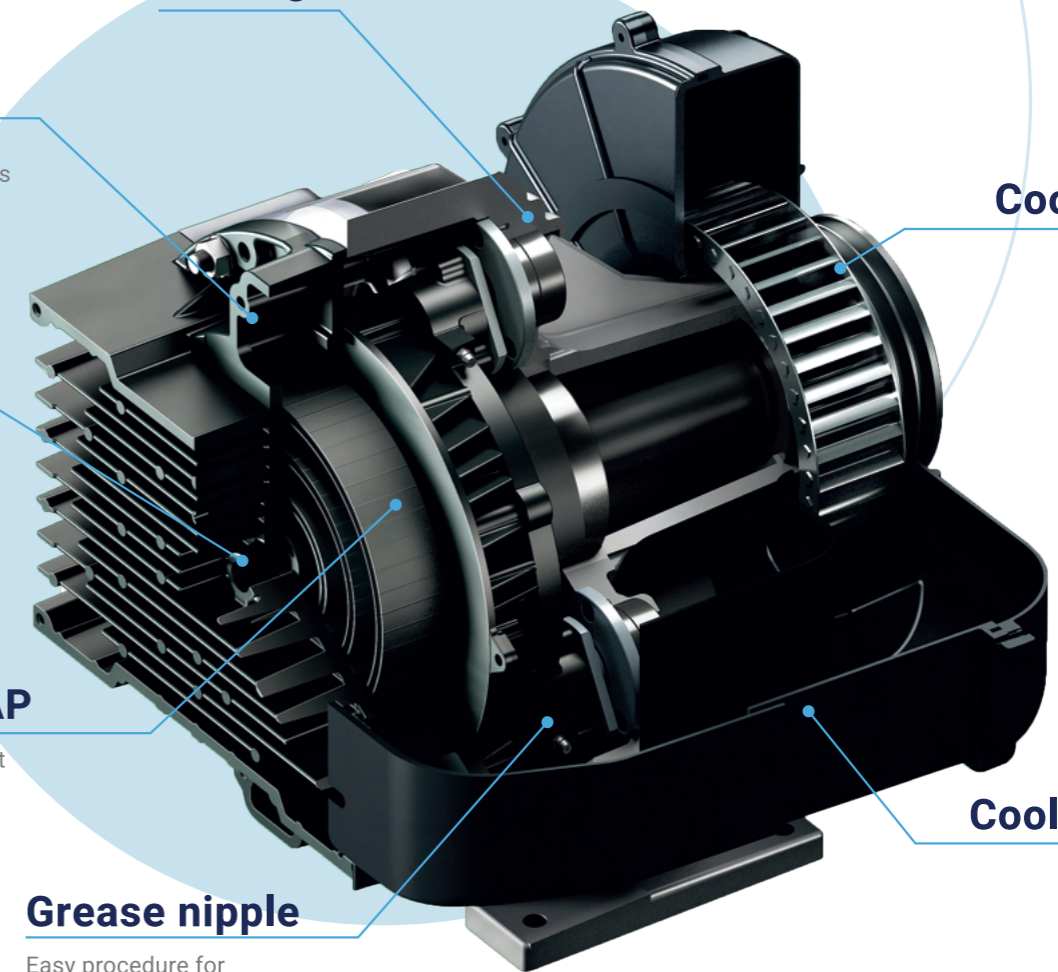
Easy procedure for servicing bearings

Bearing

Cooling fan

Integrated cooling system

Cooling duct



The scroll compressors is been used in a wide variety of industries such as: pharmaceuticals, hospitals, food & beverages manufacturing, laboratories etc.

The scroll compressors working very smooth and quiet, as well very efficient and durable compared to the different alternatives.

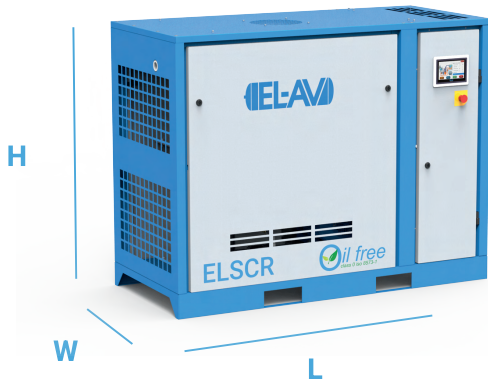
The ELSCR compressors provide oil-free air that meets the strict ISO8573-1 Class 0 standard.



EL-AV Compressors takes the scroll air compressors few steps forward, and presents the ELSCR series which has compression units made in Japan, with unique patents and an innovative design, leads to flexibility and durability against harsh environmental conditions. Every ELSCR compressor come as standard with a VFD (inverter) or a multi scroll control system, in order to control the air flow capacity of the compressor, and match it to the actual compressed air demand, which increases the energy efficiency of the compressor by approx. 50%, and leads to major savings in electricity costs. As well the ELSCR offers major savings in maintenance costs over the various alternatives offered.

Model	Working Pressure		Capacity FAD (min-max)				Electric motor		Noise level	Air outlet
	bar(g)	psi(g)	l/min		cfm		Hp	Kw	dB(A)	BSP
			min	max	min	max				
ELSCR5.5	8	116	252	420	3	14.8	5.5	4	58	G 1/2"
	10	145	210	350	2.5	12.8				
ELSCR7.5	8	116	360	600	4.2	21.2	7.5	5.5	60	G 1/2"
	10	145	270	450	3.2	15.9				
ELSCR10	8	116	510	850	6	30	10	7.5	63	G 1/2"
	10	145	420	700	4.9	24.7				
ELSCR15	8	116	600	1200	8.5	42.4	15	11	65	G 3/4"
	10	145	450	900	6.4	31.8				
ELSCR20	8	116	850	1700	12	60	20	15	65	G 3/4"
	10	145	700	1400	9.9	49.4				
ELSCR30	8	116	850	2550	18	90.1	30	22	68	G 3/4"
	10	145	700	2100	14.8	74.2				

* It is possible to order ELSCR40 HP (special request)



Model	Dimensions (mm)			Whight (Kg)
	Length	Width	Hight	
ELSCR5.5	1150	600	880	180
ELSCR7.5				190
ELSCR10				195
ELSCR15	1700	750	1300	380
ELSCR20				390
ELSCR30	1700	750	1900	650



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