



RANGE OF SCREW COMPRESSORS 3-22 Kw
SCB BELT DRIVEN
ECB BELT DRIVEN VARIABLE SPEED





I.E.S (Innovative Energy Solutions)

Twenty years of experience acquired in the field of compressed air have allowed IES to plan a complete range of systems for supplying compressed air: plants for production, treatment and distribution, particularly innovative and elegant, which combine the merits of quality and reliability with a particular attention to the user's requirements. As well as offering a complete range of technological solutions for compressed air production, IES is committed to understanding your sector, your requirements and your production and service needs, to ensure you of the best solutions for achieving your business.

Energy saving is the inspiring principle of our design: IES innovative products are based on sustainability, creating an opportunity to guarantee new solutions for long-term business strategies.

ECB - SCB Line

SILENT - COMPLETE - COMPACT



Basic
Version



IES compressed air units supply a continuous, reliable flow of compressed air directly to the point of use without requiring a dedicated room.

The ECB - SCB range, made according to high quality standards, uses components by leading companies on the market, ensuring reliability and traceability.

The use of an efficient radial fan and of appropriate acoustic technical solutions allows a reduced level of noise.

The new "Boost Cooling" concept is an additional integrated system for motor ventilation, able to withstand extreme environmental conditions.

Maximum ease of intervention, thanks to the "Full Access" system that allows complete and easy access to all internal components, so that maintenance personnel no longer have to be contortionists: with IES everything becomes easier.

Two thousand two hundred and forty litres of air per minute, dried and stored in a tank of only 0.72 m², this is the first great saving in the optimum use of surfaces.

Basic
Version
Plus Tank



Basic
Version Plus
Dryer and Tank





- ① **Suction filter** able to remove the smallest particles of dust, the large surface ensures a long life and minimum pressure loss.
- ② Lubricated single-stage **screw compressor element** produced for maximum efficiency and excellent reliability.
- ③ High efficiency **electric motor (IE3)** IP55 class F able to guarantee long-lasting operation.
- ④ Low-speed **radial fan** able to generate a high flow of cooling air while maintaining low noise.
- ⑤ **Air/oil cooler** generously sized to ensure optimum working temperatures in any environmental condition, easy to clean.



- ⑥ **Air/oil separator filter** able to ensure an impurity residue of 2 ppm, reducing maintenance times.
- ⑦ **Air/oil separator tank** the exclusive cyclone technology guarantees a pre-separation efficiency of more than 99.9%. Provided with optional oil heater.
- ⑧ **PolyV belt transmission system** allows high efficiency and long life, thanks to the large contact surface.



Simplicity and ease in starting thanks to:

- Star-delta starter,
- Pressure gauge,
- Hour counter,
- Temperature alarm.

“eControl” optional electronic control unit:

- Clear and rational display

Setting and control of the main working parameters:

- Working pressure and temperatures
- Maintenance times
- Control of compressor network
- Weekly timing (optional)



The “D” version includes a built-in cooling dryer that offers an excellent air quality, allowing an appreciable reduction of the installation costs and of the space needed.

**SCB 22
ECB 22**



BASIC VERSION



Model	Dimensions
SCB 3	653 x 564 x 855
SCB 4	653 x 564 x 855
SCB 5,5	653 x 564 x 855
ECB - SCB 7,5	653 x 564 x 855
ECB - SCB 11	753 x 604 x 955
ECB - SCB 15	753 x 604 x 955

BASIC VERSION PLUS DRYER



Model	Dimensions
SCB 3/D	863 x 564 x 855
SCB 4/D	863 x 564 x 855
SCB 5,5/D	863 x 564 x 855
ECB - SCB 7,5/D	863 x 564 x 855
ECB - SCB 11/D	1013 x 604 x 955
ECB - SCB 15/D	1013 x 604 x 955

BASIC VERSION PLUS TANK



Model	Dimensions
SCB 3/270	1184 x 606 x 1474
SCB 4/270	1184 x 606 x 1474
SCB 5,5/270	1184 x 606 x 1474
ECB - SCB 7,5/270	1184 x 606 x 1474
ECB - SCB 7,5/470	1950 x 606 x 1574
ECB - SCB 11/270	1213 x 606 x 1574
ECB - SCB 11/470	1950 x 606 x 1574
ECB - SCB 15/270	1213 x 606 x 1574
ECB - SCB 15/470	1950 x 606 x 1574

BASIC VERSION PLUS DRYER AND TANK



Model	Dimensions
SCB 3/270/D	1184 x 606 x 1474
SCB 4/270/D	1184 x 606 x 1474
SCB 5,5/270/D	1184 x 606 x 1474
ECB - SCB 7,5/270/D	1184 x 606 x 1474
ECB - SCB 7,5/470/D	1950 x 606 x 1574
ECB - SCB 11/270/D	1213 x 606 x 1574
ECB - SCB 11/470/D	1950 x 606 x 1574
ECB - SCB 15/270/D	1213 x 606 x 1574
ECB - SCB 15/470/D	1950 x 606 x 1574



BASIC VERSION PLUS DRYER

Model	Dimensions
ECB - SCB 22	1400 x 760 x 1150
ECB - SCB 22 - D*	1400 x 760 x 1150
ECB - SCB 22/470	1950 x 760 x 1770
ECB - SCB 22/470 - D*	1950 x 760 x 1770

*D = Dryer

SCB 3-22

MODEL	PRESSURE MAX,		F.A.D.		POWER		NOISE LEVEL	WEIGHT
	bar	Psig	m ³ /min	c.f.m.	kw	hp	dB(A)	Kg
SCB 3	10	145	0,36	13	3	4	63	120
SCB 4	10	145	0,51	18	4	5,5	63	125
SCB 5,5	10	145	0,72	26	5,5	7,5	64	132
SCB 7,5	10	145	1,00	35	7,5	10	67	135
SCB 11-8	8	116	1,80	63	11	15	67	180
SCB 11-10	10	145	1,58	56	11	15	67	180
SCB 15-8	8	116	2,24	79	15	20	67	185
SCB 15-10	10	145	2,00	71	15	20	67	185
SCB 22-8	8	116	3,70	131	22	30	70	480
SCB 22-10	10	145	3,20	113	22	30	70	480
SCB 22-8/470	8	116	3,70	131	22	30	70	610
SCB 22-10/470	10	145	3,20	113	22	30	70	610

The air flow rates have been measured at the following working pressures:
7,5 BAR FOR MOD. 8 BAR - 9,5 BAR FOR MOD. 10 BAR.
THE DATA AND PERFORMANCES WERE RECORDED IN ACCORDANCE WITH STANDARD ISO 1217.
NOISE LEVEL MEASURED ACCORDING TO PNEUROP/CAGI.

OPTIONAL MAX. PRESSURE 13-15 BAR

ECB 7,5-22

MODEL	PRESSURE MAX,		F.A.D.		POWER		NOISE LEVEL	WEIGHT
	bar	Psig	m ³ /min	c.f.m.	kw	hp	dB(A)	Kg
ECB 7,5	8	116	0,24 - 1,10	8,50 - 38,80	7,5	10	67	145
ECB 7,5	10	145	0,24 - 0,92	8,5 - 32,50	7,5	10	67	145
ECB 11	8	116	0,53 - 1,66	18,70 - 58,60	11	15	67	190
ECB 11	10	145	0,50 - 1,43	17,70 - 50,50	11	15	67	190
ECB 15	8	116	0,53 - 2,20	18,71 - 77,70	15	20	67	195
ECB 15	10	145	0,53 - 1,95	18,71 - 68,86	15	20	67	195
ECB 22	8	116	0,60 - 3,60	21,18 - 127,12	22	30	70	480
ECB 22	10	145	0,40 - 3,00	14,12 - 105,93	22	30	70	480
ECB 22/470	8	116	0,60 - 3,60	21,18 - 127,12	22	30	70	630
ECB 22/470	10	145	0,40 - 3,00	14,12 - 105,93	22	30	70	630

The air flow rates have been measured at the following working pressures:
7,5 BAR FOR MOD. 8 BAR - 9,5 BAR FOR MOD. 10 BAR.
THE DATA AND PERFORMANCES WERE RECORDED IN ACCORDANCE WITH STANDARD ISO 1217.
NOISE LEVEL MEASURED ACCORDING TO PNEUROP/CAGI.

OPTIONAL MAX. PRESSURE 13-15 BAR



Original **IES** kits and spare parts ensure the long life of your investment.



INNOVATIVE eNERGY SOLUTIONS



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AIR COMPRESSOR