



## **RANGE OF SCREW COMPRESSORS**

*22-132 Kw SCD DIRECT TRANSMISSION*

*22-132 Kw ECD DIRECT TRANSMISSION VARIABLE SPEED*





## **I.E.S (Innovative Energy Solutions)**

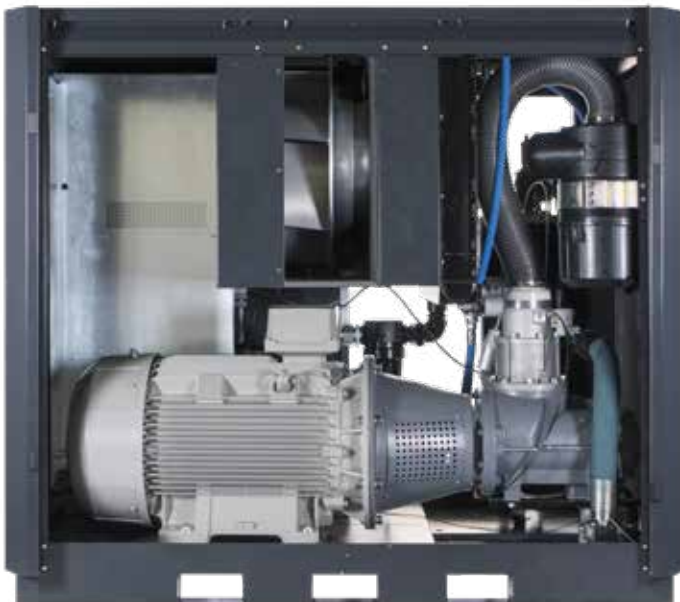
Twenty years of experience acquired in the field of compressed air have allowed IES to plan a complete range of systems for supplying compressed air: plants for production, treatment and distribution, particularly innovative and elegant, which combine the merits of quality and reliability with a particular 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.



**ECD-SCD 22-132 DIRECT DRIVEN NO GEAR**



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

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

Maximum ease of intervention, thanks to the “Full Access” system that allows complete and easy access to all internal components: **with IES everything becomes easier.**

**The SCD-ECD range with direct transmission allows:**

- An air flow rate among the best on the market.
- Reduced energy consumption.
- Low noise level.
- Easy monitoring and maintenance thanks to the iSTATION electronic controller with high-definition display.
- Easy maintenance and accessibility



- Smooth operation by reducing vibrations transmission thanks to the high reliable elastic coupling.
- DuPont™ Hytrel® material combines resilience, heat and chemical resistance with strength and durability, ensuring longer working life
- Easy access for service inspection

- IE3 motor ensures an additional reduction in power consumption.
- Independent cooling fan on variable speed ECD range ensures a lower motor temperature on a wide speed range, giving the advantage of a wider air flow rate variation.



**iSTATION electronic controller**

- Clear and rational display;
- Precise control of the main operating parameters;
- Complete menu in 12 languages;
- Daily or weekly operating program with CAN-BUS interface;
- Serial interface allowing connection of 6 compressors in a network.



- High efficiency new series inverter
- Suitable for temperatures up to 50°C
- Consumption ongoing monitoring by the inverter

- Separated cooling by two centrifugal fans: oilside thermostatically controller, airside continuous cooling
- Low power consumption
- Optimal cooling flow
- Extremely quiet high-prevalence centrifugal fans



- Integrated condensate separator in the whole range
- Up to 90% separation in condensation
- Compatible with energy recovery (optional)

- Maximum working safety thanks to the fire prevention system.



- 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 Low-speed **radial fan** able to generate a high flow of cooling air while maintaining low noise.
- ④ **Air/oil radiator** abundantly resized to ensure optimum working temperatures in any environmental condition, easy to clean.
- ⑤ **Air/oil separator tank**, the exclusive cyclone technology guarantees a pre-separation efficiency of more than 99.9%. Provided with optional oil heater.
- ⑥ **Condensate separator filter**, an efficient air/water separator installed after the radiator allows high quality of the outgoing compressed air.
- ⑦ **independent cooling fan**, installed on the variable speed ECD range allows a perfect motor cooling on a wide range of rotating speed and enlarge the air flow variation capability to adapt compressor operations to user demand.



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.

**SCD - DIRECT TRANSMISSION**

MODEL	MAXIMUM PRESSURE		F.A.D.		MOTOR		NOISE LEVEL dB(A)	WEIGHT Kg
	bar	Psi	m <sup>3</sup> /min	c.f.m.	kw	hp		
SCD22	8	116	3,6	127	22	30	69 ± 3	470
SCD22	10	145	3,1	109	22	30	69 ± 3	470
SCD30	8	116	4,8	170	30	40	72 ± 3	685
SCD30	10	145	4,3	152	30	40	72 ± 3	685
SCD37	8	116	6,2	205	37	50	74 ± 3	730
SCD37	10	145	5,4	186	37	50	74 ± 3	730
SCD45	8	116	7,8	276	45	60	75 ± 3	800
SCD45	10	145	6,3	223	45	60	75 ± 3	800
SCD55	8	116	9,8	346	55	75	75 ± 3	1280
SCD55	10	145	8,2	290	55	75	75 ± 3	1280
SCD75	8	116	12,6	445	75	100	76 ± 3	1750
SCD75	10	145	10,5	371	75	100	76 ± 3	1750
SCD90	8	116	15,9	562	90	125	76 ± 3	1950
SCD90	10	145	13,4	473	90	125	76 ± 3	1950
SCD110	8	116	20,1	710	110	150	76 ± 3	2540
SCD110	10	145	17,1	604	110	150	76 ± 3	2540
SCD132	8	116	22,0	777	132	180	76 ± 3	2840
SCD132	10	145	18,9	669	132	180	76 ± 3	2840

**ECD - DIRECT TRANSMISSION VARIABLE SPEED**

ECD22	8	116	0,7 - 3,6	24 - 127	22	30	69 ± 3	470
ECD22	10	145	0,5 - 3,0	17 - 106	22	30	69 ± 3	470
ECD30	8	116	1,0 - 4,8	35 - 170	30	40	72 ± 3	620
ECD30	10	145	1,0 - 4,2	35 - 148	30	40	72 ± 3	620
ECD37	8	116	1,6 - 5,8	56 - 205	37	50	74 ± 3	650
ECD37	10	145	1,0 - 5,1	35 - 180	37	50	74 ± 3	650
ECD45	8	116	1,8 - 7,3	64 - 258	45	60	75 ± 3	800
ECD45	10	145	1,8 - 6,4	63 - 226	45	60	75 ± 3	800
ECD55	8	116	2,5 - 9,1	88 - 321	55	75	75 ± 3	1280
ECD55	10	145	2,3 - 8,0	81 - 282	55	75	75 ± 3	1280
ECD75	8	116	2,8 - 11,4	99 - 403	75	100	76 ± 3	1750
ECD75	10	145	3,5 - 10,8	123 - 382	75	100	76 ± 3	1750
ECD90	8	116	2,8 - 15,0	99 - 530	90	125	76 ± 3	1950
ECD90	10	145	3,5 - 12,5	123 - 442	90	125	76 ± 3	1950
ECD110	8	116	3,1 - 18,5	109 - 653	110	150	76 ± 3	2540
ECD110	10	145	3,5 - 16,0	123 - 565	110	150	76 ± 3	2540
ECD132	8	116	5,7 - 22,2	201 - 784	132	180	76 ± 3	2840
ECD132	10	145	6,3 - 19,5	222 - 689	132	180	76 ± 3	2840

THE AIR FLOW RATES HAVE BEEN MEASURED AT THE FOLLOWING WORKING PRESSURES: 7.5 BAR FOR 8 BAR MODELS - 9.5 BAR FOR 10 BAR MODELS.  
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



AUTHORIZED DEALER

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**AIR COMPRESSOR**