



RANGE OF SCREW COMPRESSORS 18-20 bar

11-55 Kw HSCD DIRECT TRANSMISSION

11-55 Kw HECD DIRECT TRANSMISSION VARIABLE SPEED





I.E.S (Innovative Energy Solutions)

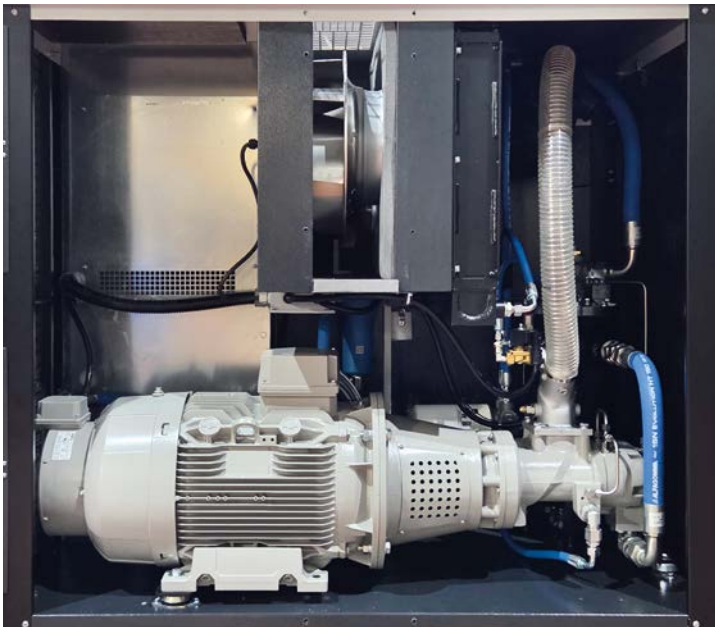
Twenty years of experience acquired in the field of compressed air have allowed IES to plan a complete range of systems for supplying compressed air: plants for production, treatment and distribution, particularly innovative and elegant, which combine the merits of quality and reliability with a particular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



**HSCD 11-55 DIRECT DRIVEN
HECD 11-55 DIRECT DRIVEN**



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

The HSCD-HECD 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 HSCD-HECD 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



“iSTATION 4.0” control unit designed for easy control of your IES compressors. Newest technology for your quiet monitoring of compressed air demand.

- Full-color touchscreen
- Ongoing monitoring of operations and maintenance requirements
- Complete menu in 12 languages
- Integrated connectivity enables remote monitoring
- Performance and maintenance always under control from PC, tablet and mobile devices.



- IE3-IE4 motor ensures an additional reduction in power consumption.
- Independent cooling fan on variable speed HECD range ensures a lower motor temperature on a wide speed range, giving the advantage of a wider air flow rate variation.





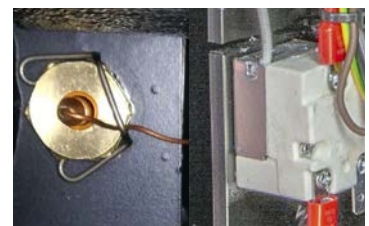
- High efficiency new series inverter
- Suitable for temperatures up to 50°C
- Consumption ongoing monitoring by the inverter

- 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.

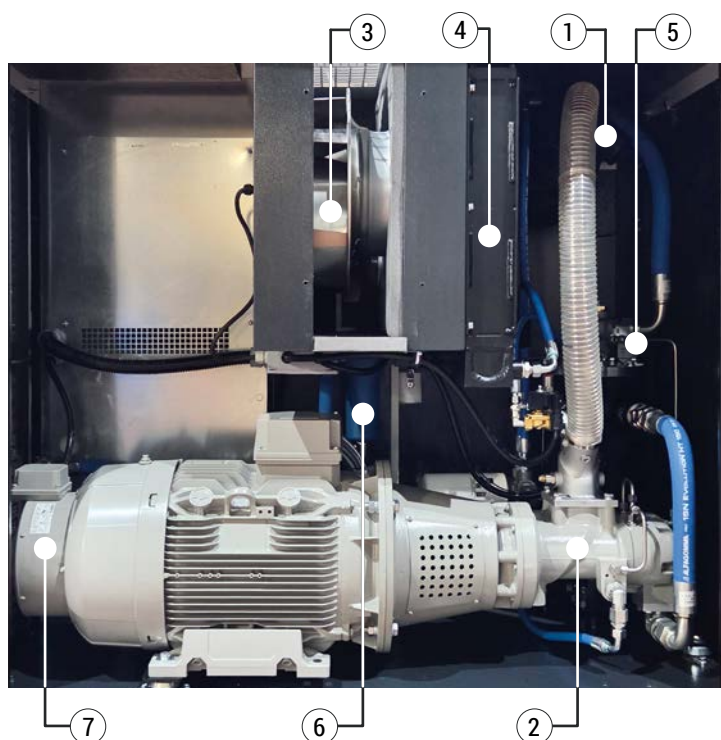


- ① **Suction filter** able to remove the smallest particles of dust, the large surface ensures a long life and minimum pressure loss.
- ② Lubricated single-stage screw **compressor element** produced for maximum efficiency and excellent reliability.
- ③ Low-speed **radial fan** able to generate a high 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 HECD 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.

HSCD - DIRECT TRANSMISSION

MODEL	MAXIMUM PRESSURE		F.A.D.		MOTOR		NOISE LEVEL	WEIGHT
	bar	Psi	m³/min	c.f.m.	kW	hp	dB(A)	Kg
HSCD11	18	260	0,60	21,2	11	15	65±3	225
HSCD11	20	290	0,37	13,1	11	15	65±3	225
HSCD15	18	260	1,00	35,3	15	20	65±3	250
HSCD15	20	290	0,69	24,4	15	20	65±3	250
HSCD18	18	260	1,30	45,9	18	25	69±3	450
HSCD18	20	290	1,07	37,8	18	25	69±3	450
HSCD22	18	260	1,60	56,5	22	30	69±3	470
HSCD22	20	290	1,33	47,0	22	30	69±3	470
HSCD30	18	260	2,29	80,9	30	40	72±3	685
HSCD30	20	290	1,90	67,1	30	40	72±3	685
HSCD37	18	260	2,95	104,2	37	50	74±3	730
HSCD37	20	290	2,71	95,7	37	50	74±3	730
HSCD45	18	260	3,69	130,3	45	60	75±3	800
HSCD45	20	290	3,41	120,4	45	60	75±3	800
HSCD55	18	260	4,63	163,5	55	75	75±3	1280
HSCD55	20	290	4,27	150,8	55	75	75±3	1280

THE AIR FLOW RATES HAVE BEEN MEASURED AT THE FOLLOWING WORKING PRESSURES: 17,5 BAR FOR 18 BAR MODELS – 19,5 BAR FOR 20 BAR MODELS. THE DATA AND PERFORMANCES WERE RECORDED IN ACCORDANCE WITH STANDARD ISO 1217. NOISE LEVEL MEASURED ACCORDING TO PNEUROP/CAGI.



TECHNICAL DATA

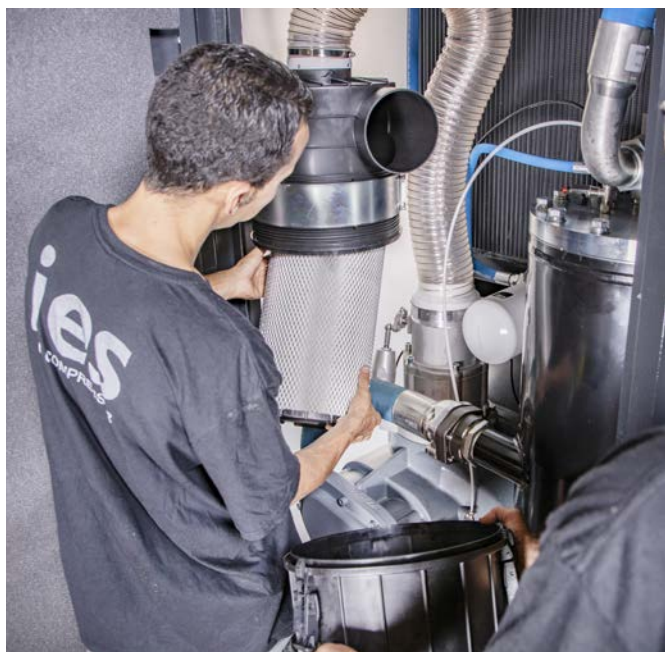


The “D” version includes a built-in cooling dryer that offers an excellent air quality, allowing an appreciable reduction of the installation costs and of the space needed.

HECD - DIRECT TRANSMISSION VARIABLE SPEED

MODEL	MAXIMUM PRESSURE		F.A.D.		MOTOR		NOISE LEVEL	WEIGHT
	bar	Psi	m³/min	c.f.m.	kW	hp	dB(A)	Kg
HECD11	18	260	0,52	18,4	11	15	65±3	230
HECD11	20	290	–	–	11	15	65±3	230
HECD15	18	260	0,92	32,6	15	20	65±3	260
HECD15	20	290	0,60	21,3	15	20	65±3	260
HECD18	18	260	1,22	43,0	18	25	69±3	450
HECD18	20	290	–	–	18	25	69±3	450
HECD22	18	260	1,51	53,3	22	30	69±3	470
HECD22	20	290	1,24	43,8	22	30	69±3	470
HECD30	18	260	2,30	81,1	30	40	72±3	685
HECD30	20	290	1,90	67,2	30	40	72±3	685
HECD37	18	260	2,84	100,3	37	50	74±3	730
HECD37	20	290	2,36	83,2	37	50	74±3	730
HECD45	18	260	3,66	129,2	45	60	75±3	800
HECD45	20	290	3,34	118,0	45	60	75±3	800
HECD55	18	260	4,43	156,4	55	75	75±3	1280
HECD55	20	290	4,09	144,5	55	75	75±3	1280

THE AIR FLOW RATES HAVE BEEN MEASURED AT THE FOLLOWING WORKING PRESSURES: 17,5 BAR FOR 18 BAR MODELS – 19,5 BAR FOR 20 BAR MODELS. THE DATA AND PERFORMANCES WERE RECORDED IN ACCORDANCE WITH STANDARD ISO 1217. NOISE LEVEL MEASURED ACCORDING TO PNEUROP/CAGI.



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

iNNOVATIVE **e**NERGY **S**OLUTIONS



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AIR COMPRESSOR