

Liquid air production (l/h) at nominal operating conditions					
0 bar(g) (usable liters)	9.5	9.5	20	42	85
1 bar(g)	11	11	22	46	93
3 bar(g)	13	13	27	61	123
5 bar(g)		15.5	31.5	71	144
Rated power (kW)	14.5	14.5	28	55	110
Power supply (3 phase)					
220, 240, 250, 380, 390, 400, 415, 440, 460 or 480 V / 50 or 60 Hz	○	○	○	○	○
Cooling water consumption (l/h at 15°C)	1,150	1,150	1,900	4,500	9,000
Floor print (m²)	3	6	11	16	20
Height (m)	2.20	2.20	2.40	2.60	2.60
Minimum advised plant room (l x w x h (m x m x m))	2.90 x 3.10 x 3.00	4.50 x 3.50 x 3.00	5.50 x 3.70 x 3.00	6.00 x 4.80 x 4.00	6.50 x 4.80 x 4.00
Weight (kg)	1,150	1,300	2,000	3,500	6,000
Noise level (dBA)	70	70	70	72	74

Pressure (bar(g))	0.3 - 3	0.3 - 5	0.3 - 5	0.4 - 5	0.4 - 5
Liquid air storage capacity					
300 l (evaporation losses 2.5%/day)	●				
500 l (evaporation losses 2%/day)		●	○	○	
1,000 l (evaporation losses 1.5%/day)		○	●	○	○
2,000 l (evaporation losses 1%/day)		○	○	●	●
Other storage capacities		○	○	○	○
Level indication and control	●	●	●	●	●

Maintenance interval 6,000 hrs	●	●	●	●	●
Consumable parts and tools 0 - 12,000 hrs	○	○	○	○	○
Consumable parts every 12,000 hrs	○	○	○	○	○
Additional consumable parts at 36,000 hrs	○	○	○	○	○
Repair parts	○	○	○	○	○
Additional tools for advanced maintenance	○	○	○	○	○
User manual (2x)	●	●	●	●	●
Operator attention limited to routine checks and filter/oil changes	●	●	●	●	●

Post commissioning visit*	●	●	●	●	●
Installation, commissioning and operator training on site	●	●	●	●	●
Operator training at Stirling	○	○	○	○	○
Maintenance engineer training at Stirling	○	○	○	○	○
Service engineer training at Stirling	○	○	○	○	○
Help desk (first year)	●	●	●	●	●
Help desk after first year (contract)	○	○	○	○	○
Service contract	○	○	○	○	○

Helium gas cylinder** + regulator	●	●	●	●	●
Installation material	●	●	●	●	●

Chiller for cooling water supply	○	○	○	○	○
refrigeration capacity (kW at 12°C)	12	12	24	48	96
rated power (kW)	6	6	12	23	45
floor print (including service space) (m²)	3	3	4	6	10
noise level (dBA)	60	60	60	60	60
weight (kg)	250	250	500	900	1,700
outdoor placement possible	●	●	●	●	●
Generator set for power supply	○	○	○	○	○
Voltage stabilizer for utility power stabilization	○	○	○	○	○
Liquid air handling package (gloves, protection glasses)	○	○	○	○	○

Plant room temperature 45°C, altitude 250m, relative humidity 95%, cooling water temperature 15°C, power supply: voltage – 5%, frequency: – 2%

Plant room temperature 5 - 45°C, altitude 0 - 2,000m, relative humidity 20 - 95%, cooling water temperature 10 - 20°C, power supply: voltage – 5%, frequency: – 2% (other conditions on request)

European CE safety standard, IP54, IEC 60204 (other standards on request)	●	●	●	●	●
---	---	---	---	---	---

Integrated system diagnostics	●	●	●	●	●
Fully automatic start/stop and restart after power failures	●	●	●	●	●
No defrosting or purging required	●	●	●	●	●
10 minutes start-up time to full production	●	●	●	●	●
Single switch operation	●	●	●	●	●

● Standard

○ Optional

* Depending on area / local service organisation

** Depending on shipping legislation

All specifications at nominal operating conditions

Data subject to alteration without prior notice