



High Pressure Refrigeration Air Dryer

Capacity: 1.2~80 m³/min

Max. working pressure: ≤4.5MPa (45barg)

Max. inlet temperature: 60°C

Max. ambient temperature: 50°C

Min. ambient temperature : 5°C

Max. cooling water temperature: 35°C

Cooling type: air-cooled

Power supply: 220V/1Ph/50Hz/60Hz (12-HP ~ 150-HP)

380V/3Ph/50Hz/60Hz (200-HP ~ 800-HP)

Refrigerant: R134a/R407C

Rated working pressure: 4.0MPa

Inlet temperature: 38°C

Ambient temperature: 38°C

Cooling water temperature: 32°C

» Advanced Cooling Systems

The refrigeration dryers in our high-pressure series units are equipped with advanced cooling systems. These systems feature a high-quality refrigerant compressor, generously sized heat exchanger surfaces, and strategically designed cooling airflow. This combination ensures reliable operation even under high temperature conditions, maintaining stable pressure dew points consistently.

» Flow-Optimized Piping

Efficiency in dryer performance is significantly enhanced by minimizing pressure differentials. All high-pressure dryers are designed with high-quality, flow-optimized stainless-steel piping, resulting in exceptionally low-pressure differential values.

» Highly Efficient Drain – High-Pressure Type

The 40-bar high-pressure series dryer includes a high-pressure drain that facilitates efficient condensate removal without any pressure loss, thus conserving energy. An electronic condensate drain is available as an option for the 50-bar version.



Sturdy structure

The design of the box plate is strong and durable, ensuring the safety and reliability of the equipment during installation and operation



Intelligent temperature controller

Display dew point, condensing temperature, operating mode, fault information, remote start and stop



Well-known compressor

The whole series of products use Hitachi, Inwatech, Danfoss and other refrigeration compressors



Aluminum plate-fin heat exchanger

Aluminum-magnesium alloy material is anti-corrosion and anti-rust, high-efficiency heat exchange, built-in wire mesh separator, good water removal effect



Electronic drain valve

Time module, interval drainage, reliable and durable, fully automatic, maintenance-free

Technical Parameters

Model	Air Connection	Capacity		Power Supply V/Ph/Hz	Absorbed Power (kW)	Dimension mm			Weight (kg)
		m ² /min	CFM			L	W	H	
SLT012-HP	Rc1/2"	1.2	42	230/1/50	0.26	600	310	500	35
SLT015-HP	Rc1/2"	1.5	53	230/1/50	0.28	600	310	500	35
SLT018-HP	Rc1/2"	1.8	64	230/1/50	0.30	600	310	500	35
SLT024-HP	Rc3/4"	2.4	85	230/1/50	0.46	750	360	550	50
SLT030-HP	Rc3/4"	3.0	106	230/1/50	0.50	750	360	550	50
SLT036-HP	Rc3/4"	3.6	127	230/1/50	0.53	750	360	550	55
SLT040-HP	Rc3/4"	4.0	141	230/1/50	0.55	750	360	550	55
SLT060-HP	Rc1-1/4"	6.0	212	230/1/50	0.80	750	550	880	80
SLT080-HP	Rc1-1/4"	8.0	282	230/1/50	0.85	750	550	880	80
SLT090-HP	Rc1-1/4"	9.0	318	230/1/50	0.90	750	550	880	80
SLT100-HP	Rc1-1/4"	10	353	230/1/50	1.10	750	550	880	80
SLT120-HP	Rc1-1/4"	12	424	230/1/50	1.22	750	550	880	80
SLT150-HP	Rc1-1/4"	15	530	230/1/50	2.10	1100	860	1200	150
SLT200-HP	Rc1-1/4"	20	706	230/1/50	2.30	1100	860	1200	150
SLT250-HP	Rc2-1/2"	25	883	400/3/50	2.80	1100	900	1550	270
SLT300-HP	Rc2-1/2"	30	1059	400/3/50	2.90	1100	900	1550	270
SLT350-HP	Rc2-1/2"	35	1236	400/3/50	3.10	1100	900	1550	300
SLT400-HP	Rc2-1/2"	40	1412	400/3/50	4.20	1100	900	1550	350
SLT500-HP	Rc2-1/2"	50	1766	400/3/50	4.56	1100	900	1550	470
SLT600-HP	DN80	60	2119	400/3/50	5.60	1450	1130	1650	550
SLT700-HP	DN80	70	2472	400/3/50	5.80	1450	1130	1650	570
SLT800-HP	DN80	80	2825	400/3/50	5.94	1450	1130	1650	600