

AUGUST



Air Dryer



RSLF SERIES
HIGH PRESSURE AIR DRYER

HIGH PRESSURE AIR DRYER RSLF HP SERIES

Technical Data RSLF-HP (High Pressure)

Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power	Refrigerant
	m ³ /min		L	W	H			kW	
RSLF-12-HP	1.2	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-15-HP	1.5	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-18-HP	1.8	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-24-HP	2.4	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.92	R134a
RSLF-30-HP	3.0	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.92	R134a
RSLF-36-HP	3.6	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	0.92	R134a
RSLF-40-HP	4.0	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	0.92	R134a
RSLF-60-HP	6.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.24	R134a
RSLF-80-HP	8.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.24	R134a
RSLF-90-HP	9.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-100-HP	10.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-120-HP	12.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-150-HP	15.0	Rc 1-1/4"	1000	800	1000	150	220V/1Ph/50Hz	2.75	R407C
RSLF-200-HP	20.0	Rc 1-1/4"	1000	800	1000	150	220V/1Ph/50Hz	2.75	R407C
RSLF-250-HP	25.0	Rc 2-1/2"	1100	900	1550	270	380V/3Ph/50Hz	4.53	R407C
RSLF-300-HP	30.0	Rc 2-1/2"	1100	900	1550	270	380V/3Ph/50Hz	4.53	R407C
RSLF-350-HP	35.0	Rc 2-1/2"	1100	900	1550	300	380V/3Ph/50Hz	4.53	R407C
RSLF-400-HP	40.0	Rc 2-1/2"	1100	900	1550	350	380V/3Ph/50Hz	6.80	R407C
RSLF-500-HP	50.0	Rc 2-1/2"	1100	900	1550	470	380V/3Ph/50Hz	6.80	R407C
RSLF-600-HP	60.0	DN 80	1450	1130	1650	550	380V/3Ph/50Hz	8.93	R407C
RSLF-700-HP	70.0	DN 80	1450	1130	1650	570	380V/3Ph/50Hz	8.93	R407C
RSLF-800-HP	80.0	DN 80	1450	1130	1650	600	380V/3Ph/50Hz	10.61	R407C

*Nominal dryer flow rated at inlet pressure 40 barg, inlet air temperature 38°C .ambient temperature 38°C and pressure dew point 3°C to 10°C. Other power supply are available upon request.

Correction factor for pressure (KA)

20 barg 290 psig	25 barg 363 psig	30 barg 435 psig	35 barg 508 psig	40 barg 580 psig	45 barg 653 psig
0.91	0.94	0.97	0.99	1.00	1.01

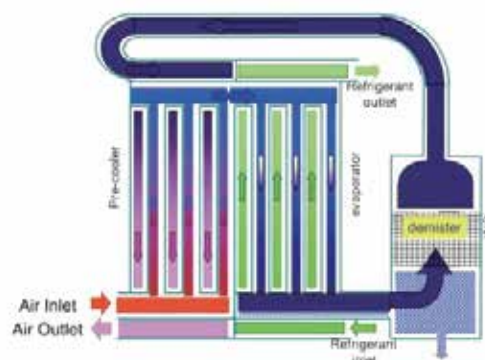
Correction factor for inlet temperature (KB)

30°C 86°F	32°C 90°F	38°C 100°F	45°C 110°F	50°C 122°F	55°C 130°F	60°C 140°F
1.27	1.18	1.00	0.87	0.76	0.68	0.61

Correction factor for ambient temperature (KC)

16°C 60°F	21°C 70°F	27°C 80°F	32°C 90°F	38°C 100°F	45°C 110°F
1.15	1.12	1.08	1.04	1.00	0.95

1. Selected the correction factor (KA), (KB) and (KC).
2. Calculate the dryer capacity require using the following: Actual flow rate = Nominal flow rate x KA x KB x KC



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