

# RHP Series Airdryer

## High Pressure Refrigerated Airdryer

Model	Air Connection	Capacity		Power Supply V/Ph/Hz	Installation Power (KW)	Dimension (mm)			Weight (kg)
		m <sup>3</sup> /min	CFM			L	W	H	
RHP-12	Rc1/2"	1.2	42	230/1/50	0.35	600	310	500	35
RHP-15	Rc1/2"	1.5	53	230/1/50	0.35	600	310	500	35
RHP-18	Rc1/2"	1.8	64	230/1/50	0.35	600	310	500	35
RHP-24	Rc3/4"	2.4	85	230/1/50	0.92	750	360	550	50
RHP-30	Rc3/4"	3	106	230/1/50	0.92	750	360	550	50
RHP-36	Rc3/4"	3.6	127	230/1/50	0.92	750	360	550	55
RHP-40	Rc3/4"	4	141	230/1/50	0.92	750	360	550	55
RHP-60	Rc1-1/4"	6	212	230/1/50	1.24	750	550	880	80
RHP-80	Rc1-1/4"	8	282	230/1/50	1.24	750	550	880	80
RHP-90	Rc1-1/4"	9	318	230/1/50	1.84	750	550	880	80
RHP-100	Rc1-1/4"	10	353	230/1/50	1.84	750	550	880	80
RHP-120	Rc1-1/4"	12	424	230/1/50	1.84	750	550	880	80
RHP-150	Rc1-1/4"	15	530	230/1/50	2.75	1100	860	1200	150
RHP-200	Rc1-1/4"	20	706	230/1/50	2.75	1100	860	1200	150
RHP-250	Rc2-1/2"	25	883	400/3/50	4.53	1100	900	1550	270
RHP-300	Rc2-1/2"	30	1059	400/3/50	4.53	1100	900	1550	270
RHP-350	Rc2-1/2"	35	1236	400/3/50	4.53	1100	900	1550	300
RHP-400	Rc2-1/2"	40	1412	400/3/50	6.81	1100	900	1550	350
RHP-500	Rc2-1/2"	50	1766	400/3/50	6.81	1100	900	1550	470
RHP-600	DN80	60	2119	400/3/50	8.93	1450	1130	1650	550
RHP-700	DN80	70	2472	400/3/50	8.93	1450	1130	1650	570
RHP-800	DN80	80	2825	400/3/50	10.61	1450	1130	1650	600

### Correction Factors :

$$\text{Actual Capacity (m}^3\text{/min)} = \text{Nominal Capacity} \times F1 \times F2 \times F3$$

Operating Pressure (F1)	Barg	20	25	30	35	40	45
	F1	0.93	0.96	0.97	0.99	1	1.01

Inlet Temperature (f2)	°C	30	32	38	43	49	54	60
	°F	86	90	100	110	120	130	140
	F2	1.27	1.18	1	0.87	0.76	0.68	0.61

Ambient Temperature (f3)	°C	16	21	27	32	38	43	49	50
	°F	60	70	80	90	100	110	120	122
	F3	1.15	1.12	1.08	1.04	1	0.95	0.9	0.89