

Ammonia chiller **cab**

cab uses the environmentally friendly refrigerant NH_3 . With a GWP of **0**, ammonia is the long-term and sustainable solution for your cooling application.

cab saves useful time during on-site installation as a complete solution. Pressure gauge, pressure switch and the entire oil circuit with oil cooler are already part of our machines. Benefit from the industrial production of these compressor units.

cab offers solutions as single compressor units or as a parallel system with two open screw compressors.

cab is equipped with standardised motors, is flexible to use and offers optimum service conditions.

cab is partly equipped with compressors with optimised slider concept and Vi-adjustment. This allows the power adjustment and maximum efficiency to be achieved at each operating point.

Your individual power requirement can be optimally realised by the free combination of different **cab**.

Industrial equipment for:

- ✓ Warehouse
- ✓ Process cooling
- ✓ Production facilities
- ✓ Cold water systems

Controller

Compressor control and protection by Siemens SIMATIC. One communication module establishes connection between different **cab**s for optimum power adjustment. Integrated interfaces ensure easy integration with superior systems.

cab PLUS – Accessories

- ✓ heat exchangers as evaporators
- ✓ condensers or economisers
- ✓ containers, pumping stations
- ✓ frequency converters
- ✓ and much more



Application: Medium temperature (MT)

Technical data

Refrigerant: R717 | Evaporation: -6°C | Condensing: 42°C | Subcooling: 0 K
superheating: 2.00 K | RPM: 2900/min

		Cooling capacity	Shaft power	Condensing capacity	Oil flow	Oil cooler capacity	Length*	Width*	Height*	Weight*
		[kW]	[kW]	[kW]	[m ³ /h]	[kW]	[mm]	[mm]	[mm]	[kg]
Single compressor cab-SE	cab-SE-0100	70	22	79	0,91	12	2300	895	1750	850
	cab-SE-0118	82	26	94	0,91	15	2300	895	1750	850
	cab-SE-0192	143	47	162	2,38	28	2300	895	1750	1350
	cab-SE-0220	170	54	192	2,38	31	2800	995	1850	1800
	cab-SE-0250	186	58	211	2,13	32	2800	995	1850	1850
	cab-SE-0315	210	70	238	2,99	41	2800	995	1850	2000
	cab-SE-0359	245	80	279	2,9	46	2800	995	1850	2500
	cab-SE-0410	298	90	339	2,81	49	2800	1100	1980	2550
	cab-SE-0470	353	100	401	4,26	52	2800	1100	1980	2750
	cab-SE-0535	388	116	440	4,26	63	2800	1100	1980	2800
	cab-SE-0910	668	185	759	9,07	93	2600	1300	2050	4050
cab-SE-1015	748	203	850	9,07	101	2600	1300	2050	4100	
Parallel System cab-SZ	cab-SZ-0200	140	44	158	1,82	24	2300	1500	1570	1350
	cab-SZ-0236	164	52	188	1,82	30	2300	1500	1570	1350
	cab-SZ-0384	286	94	324	4,76	56	2800	2200	1800	2100
	cab-SZ-0440	340	108	384	4,76	62	2800	2200	1800	2600
	cab-SZ-0500	372	116	422	4,26	64	2800	2200	1800	2650
	cab-SZ-0630	420	140	476	5,98	82	2800	2200	1800	3200
	cab-SZ-0718	490	160	558	5,8	92	3300	2400	1980	4800
	cab-SZ-0820	596	180	678	5,62	98	3300	2400	1980	4900
	cab-SZ-0940	706	200	802	8,52	104	2600	2400	2050	4850
	cab-SZ-1070	776	232	880	8,52	126	2600	2400	2050	5000
	cab-SZ-1820	1336	370	1518	18,14	186	2700	2450	2200	6500
cab-SZ-2030	1496	406	1700	18,14	202	2700	2450	2200	6700	

*For mandatory dimensions and weights, please refer to the technical documentation.

Application: Low temperature (LT)

Technical data

Refrigerant: R717 | Evaporation: -32°C | Condensing: 12°C | Subcooling: 0 K
superheating: 2.00 K | RPM: 2900/min

		Cooling capacity	Shaft power	Condensing capacity	Oil flow	Oil cooler capacity	Length*	Width*	Height*	Weight*
		[kW]	[kW]	[kW]	[m ³ /h]	[kW]	[mm]	[mm]	[mm]	[kg]
Single compressor cab-SE	cab-SE-0100	28	9	34	0.59	4	2300	895	1750	850
	cab-SE-0118	33	11	40	0.59	5	2300	895	1750	850
	cab-SE-0192	50	18	60	1.49	8	2300	895	1750	1350
	cab-SE-0220	64	23	76	1.49	11	2800	995	1850	1800
	cab-SE-0250	72	26	86	1.49	12	2800	995	1850	1850
	cab-SE-0315	-	-	-	-	-	-	-	-	-
	cab-SE-0359	-	-	-	-	-	-	-	-	-
	cab-SE-0410	113	38	135	1.83	17	2800	1100	1980	2550
	cab-SE-0470	-	-	-	-	-	-	-	-	-
	cab-SE-0535	151	45	180	16.2	16	2800	1100	1980	2800
	cab-SE-0910	254	74	302	5.2	26	2600	1300	2050	4050
cab-SE-1015	284	81	337	5.2	28	2600	1300	2050	4100	
Parallel System cab-SZ	cab-SZ-0200	56	18	68	1.18	8	2300	1500	1570	1350
	cab-SZ-0236	66	22	80	1.18	10	2300	1500	1570	1350
	cab-SZ-0384	100	36	120	2.98	16	2800	2200	1800	2100
	cab-SZ-0440	128	46	152	2.98	22	2800	2200	1800	2600
	cab-SZ-0500	144	52	172	2.98	24	2800	2200	1800	2650
	cab-SZ-0630	-	-	-	-	-	-	-	-	-
	cab-SZ-0718	-	-	-	-	-	-	-	-	-
	cab-SZ-0820	226	76	270	3.66	34	3300	2400	1980	4900
	cab-SZ-0940	-	-	-	-	-	-	-	-	-
	cab-SZ-1070	302	90	360	32.4	32	2600	2400	2050	5000
	cab-SZ-1820	508	148	604	10.4	52	2700	2450	2200	6500
cab-SZ-2030	568	162	674	10.4	56	2700	2450	2200	6700	

*For mandatory dimensions and weights, please refer to the technical documentation.