Compressor data SAB 110

Compressor type	Rotor drive	L/D 1)	Rotor Dia. ratio mm	Internal volume V_i	ΔP max. 2) bar	Motor at 2950 0/min Male rotor 0/min	Motor at 2950 0/min suct. vol. m^3/t	Motor at 3550 0/min Male rotor 0/min	Motor at 3550 0/min suct. vol. m^3/t
SAB 110 S-M	M	1.2	110	1.8 to 4.5	20	2950	140	3550	168
SAB 110 S-F	F					4425	209	5325	252
SAB 110 L-M	M	1.5				2950	175	3550	210
SAB 110 L-F	F					4425	262	5325	315

1) L/D =Rotor length divided by rotor diameter 2) Discharge pressure minus suction pressure

See permissible operating limits, however, in the following Operating Limits Diagrams

	Block weight without motor Kg
SAB 110 S SAB 110 L	150

Nominal capacity R22

Compressor type	Rotor drive	L/D	Motor at 2950 rpm -40/-10°C kW 1)	-40/35°C kW 2)	-10/35°C kW 2)
SAB 110 S-M	M	1.2	33.0	21.4	81.1
SAB 110 S-F	F		50.0	33.5	126
SAB 110 L-M	M	1.5	41.7	27.1	102
SAB 110 L-F	F		63.2	42.3	159

Nominal capacity R717

Compressor type	Rotor drive	L/D	Motor at 2950 rpm -40/-10°C kW 1)	-40/35°C kW 2)	-10/35°C kW 2)
SAB 110 S-M	M	1.2	24.2	19.2	78.0
SAB 110 S-F	F		36.5	29.9	121
SAB 110 L-M	M	1.5	30.5	24.3	98.6
SAB 110 L-F	F		46.2	37.9	153

Based upon: Suction gas overheating10 K

Liquid undercooling:

1) 0 K for Booster operation

2) 5 K for high pressure operation

Above performance values apply for standard units