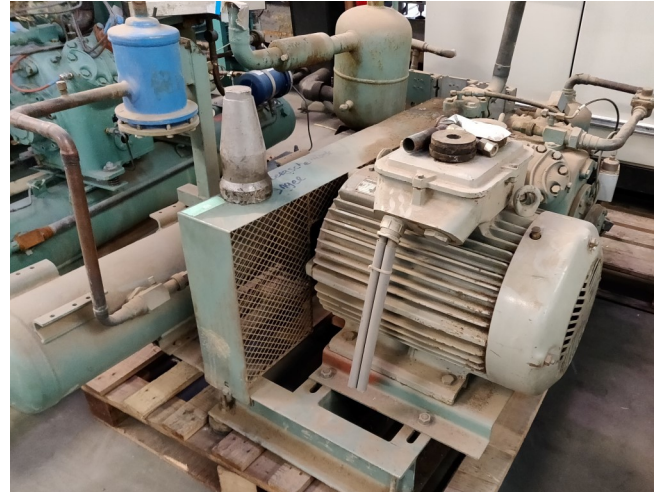


Bitzer 4G.2 cool/freeze tank generator

Specifications

Brand	Bitzer
Type	4G.2 cool/freeze tank generator
Refrigerant	Freon
kW at -5°C/+40°C	57.1
kW at -10°C/+40°C	47.2
kW at -20°C/+40°C	31.1
kW at -30°C/+40°C	19.2
kW at -40°C/+40°C	10.5
Electromotor Specs	18.5
On steel base frame	✓
Liquid receiver	✓



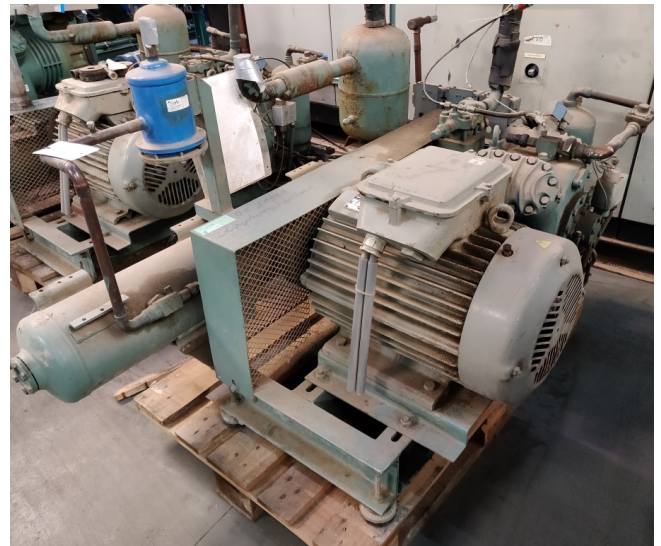
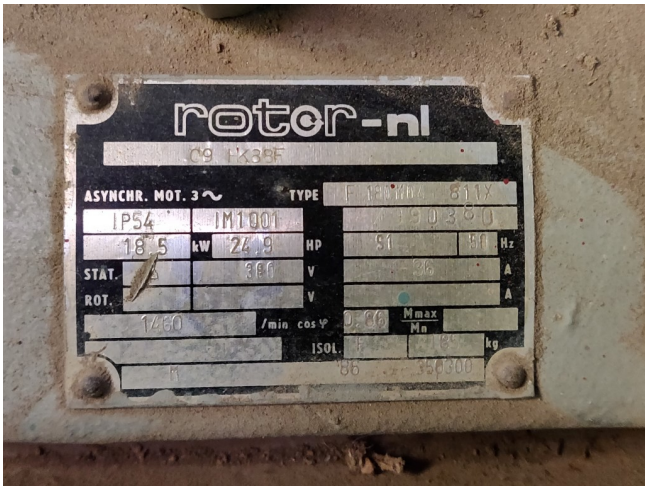
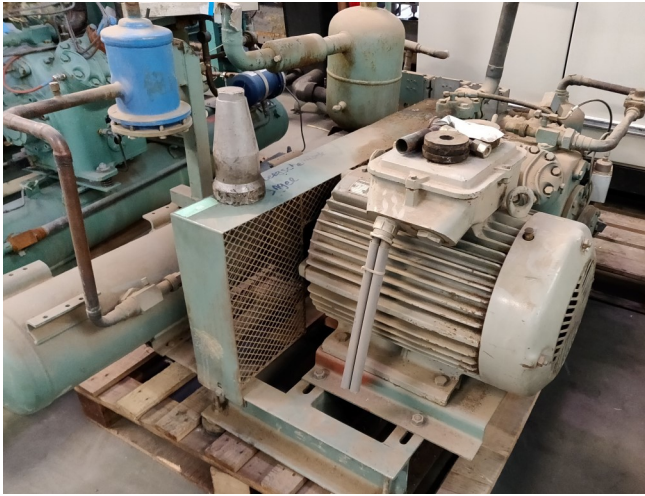
Description

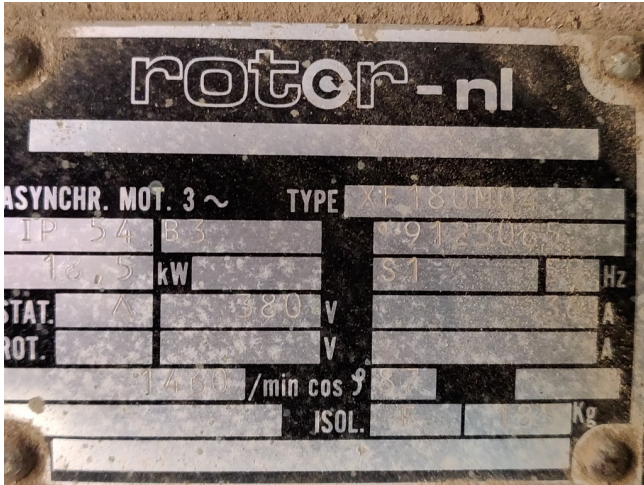
Used Bitzer 4G.2 cool/freeze tank generator

Used cool/freeze tank generator Bitzer 4G-2 (Semi-hermetic Reciprocating piston Compressor) + electromotor with 18.5 kW at 1460 RPM and liquid tank. Our capacity table is based on the used type of Freon. You can also use these compressors on alternative types of Freon. For all the other specs (if available), see the picture of the manufacturer model plate or the attached pdf file. *Why choose for HOSBV? Were not only the largest used refrigeration specialist in Europe, but also, we deliver all equipment including an extensive test, warranty and industrial cleaning. *Optional we can also perform a new paint job and



arrange the logistics.





Input Values

Compressor model	(4G-20.2Y)	Suction gas temperature	20.00 °C
Mode	Refrigeration and Air conditioning	Operating mode	Auto
Refrigerant	R404A	Power supply	400V-3-50Hz
Reference temperature		Capacity control	100%
Liq. subc. (in condenser)	0 K	Useful superheat	100%

Result

Q [W]	Cooling capacity	COP [-]	COPEER
Q _{ev} [W]	Evaporator capacity	m [kg/h]	Mass flow
P [kW]	Power input	Op.	Operating mode
I [A]	Current	th [°C]	Discharge gas temp. w/o cooling
Q _c [W]	Condenser Capacity (w. HX)		

tc	to	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C
30°C	Q [W]	67006	55421	45391	36740	29312	22968	17584	13048
	Q _{ev} [W]	67006	55421	45391	36740	29312	22968	17584	13048
	P [kW]	18.21	17.11	16.88	14.54	13.11	11.61	10.08	8.52
	I [A]	30.6	28.8	26.9	24.9	22.8	20.7	18.61	16.69
	Q _c [W]	84304	71677	60478	50552	41765	34001	27158	21144
	COP [-]	3.68	3.24	2.86	2.53	2.24	1.98	1.74	1.53
	m [kg/h]	1683	1379	1120	905	714	556	424	314
	th [°C]	71.3	77.9	84.8	92.3	100.4	109.4	119.5	131.1
40°C	Q [W]	87151	47250	36644	31189	24750	19240	14528	10529
	Q _{ev} [W]	87151	47250	36644	31189	24750	19240	14528	10529
	P [kW]	20.9	19.35	17.87	15.92	14.12	12.29	10.46	8.65
	I [A]	34.9	32.4	29.7	27.0	24.3	21.6	19.10	16.84
	Q _c [W]	77032	65630	55429	46311	38169	30914	24463	18744
	COP [-]	2.73	2.44	2.19	1.96	1.75	1.57	1.39	1.22
	m [kg/h]	1618	1323	1072	858	677	523	393	284
	th [°C]	82.6	89.2	96.2	103.7	111.9	121.0	131.5	143.1
50°C	Q [W]	38741	31632	25447	20087	15466	11500	8112	5612
	Q _{ev} [W]	38741	31632	25447	20087	15466	11500	8112	5612
	P [kW]	21.2	19.14	17.00	14.86	12.72	10.63	8.59	6.59
	I [A]	35.4	32.0	28.7	25.4	22.2	19.32	16.77	14.52
	Q _c [W]	58911	48813	41601	34202	27633	21984	16273	11523
	COP [-]	1.82	1.65	1.50	1.35	1.22	1.08	0.94	0.81
	m [kg/h]	1254	1013	808	633	484	358	251	177
	th [°C]	101.0	108.0	115.6	123.9	133.2	143.1	153.1	163.1

-- No calculation possible (see message in single point selection)
 *According to EN12900 (20°C suction gas temp., 0K liquid subcooling)