Bitzer 4N-20.2 cool/freeze tank generator.

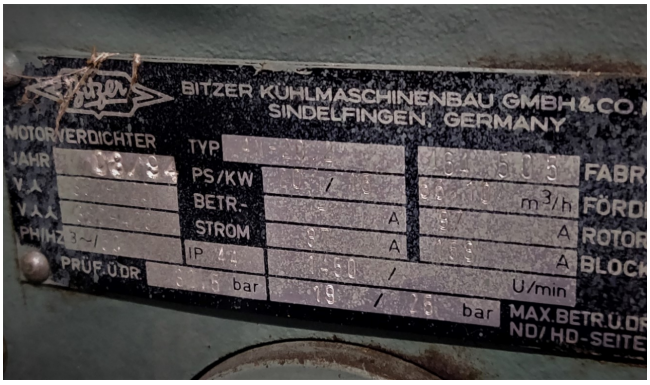
Specifications

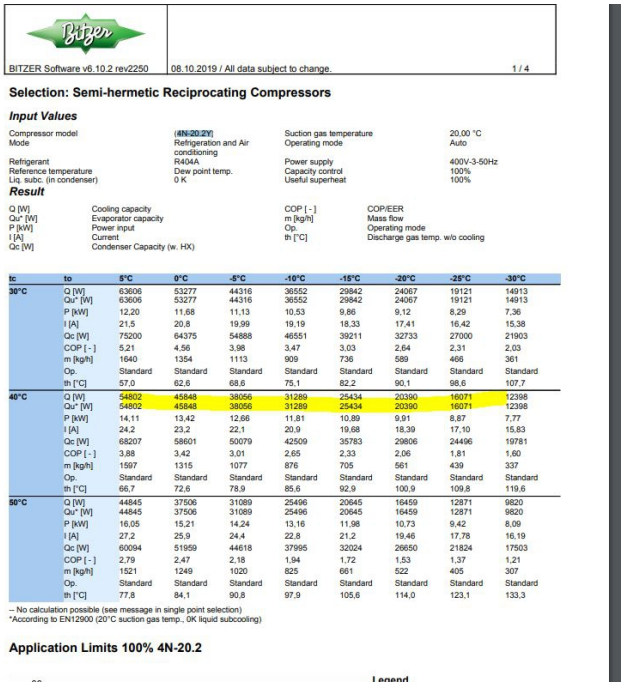
Brand	Bitzer
Type	4N-20.2 cool/freeze tank generator.
Refrigerant	Freon
Refrigerant type	R 404 A or other types
kW at 0ºC/+40ºC	45.8
kW at -5ºC/+40ºC	38.0
kW at -10ºC/+40ºC	31.2
kW at -20ºC/+40ºC	20.3
kW at -30ºC/+40ºC	12.3
Unloaded Start	✓
Capacity Control	✓
Liquid receiver	✓
Stock	1

Description

Used Bitzer 4N-20.2 cool/freeze tank generator.

Used but still in good condition, Bitzer 4N-20.2 cool/freeze tank generator. 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 arrange the logistics.





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Selection: Semi-hermetic Reciprocating Compressors

Input Values

Compressor model	(4N-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	Dew point temp.	Capacity control	100%
Liq. subc. (in condenser)	0 K	Useful superheat	100%

Result

Q [W]	Cooling capacity	COP [-]	COP/EER
Qu* [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
Qc [W]	Condenser Capacity (w. HX)		

tc	to	-5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
30°C	Q [W]	63606	53277	44316	36552	29842	24067	19121	14913
	Qu* [W]	63606	53277	44316	36552	29842	24067	19121	14913
	P [kW]	12,20	11,68	11,13	10,53	9,86	9,12	8,29	7,36
	I [A]	21,5	20,8	19,99	19,19	18,33	17,41	16,42	15,38
	Qc [W]	75200	64375	54888	46551	39211	32733	27000	21903
	COP [-]	5,21	4,56	3,98	3,47	3,03	2,64	2,31	2,03
	m [kg/h]	1640	1354	1113	909	736	589	466	361
	Op.	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	th [°C]	57,0	62,6	68,6	75,1	82,2	90,1	98,6	107,7
40°C	Q [W]	54802	45848	38056	31289	25434	20390	16071	12398
	Qu* [W]	54802	45848	38056	31289	25434	20390	16071	12398
	P [kW]	14,11	13,42	12,66	11,81	10,89	9,91	8,87	7,77
	I [A]	24,2	23,2	22,1	20,9	19,68	18,39	17,10	15,83
	Qc [W]	68207	58601	50079	42509	35783	29806	24496	19781
	COP [-]	3,88	3,42	3,01	2,65	2,33	2,06	1,81	1,60
	m [kg/h]	1597	1315	1077	876	705	561	439	337
	Op.	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	th [°C]	66,7	72,6	78,9	85,6	92,9	100,9	109,8	119,6
50°C	Q [W]	44845	37506	31089	25496	20645	16459	12871	9820
	Qu* [W]	44845	37506	31089	25496	20645	16459	12871	9820
	P [kW]	16,05	15,21	14,24	13,16	11,98	10,73	9,42	8,09
	I [A]	27,2	25,9	24,4	22,8	21,2	19,46	17,78	16,19
	Qc [W]	60094	51959	44618	37995	32024	26650	21824	17503
	COP [-]	2,79	2,47	2,18	1,94	1,72	1,53	1,37	1,21
	m [kg/h]	1521	1249	1020	825	661	522	405	307
	Op.	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	th [°C]	77,8	84,1	90,8	97,9	105,6	114,0	123,1	133,3

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

Application Limits 100% 4N-20.2

Legend