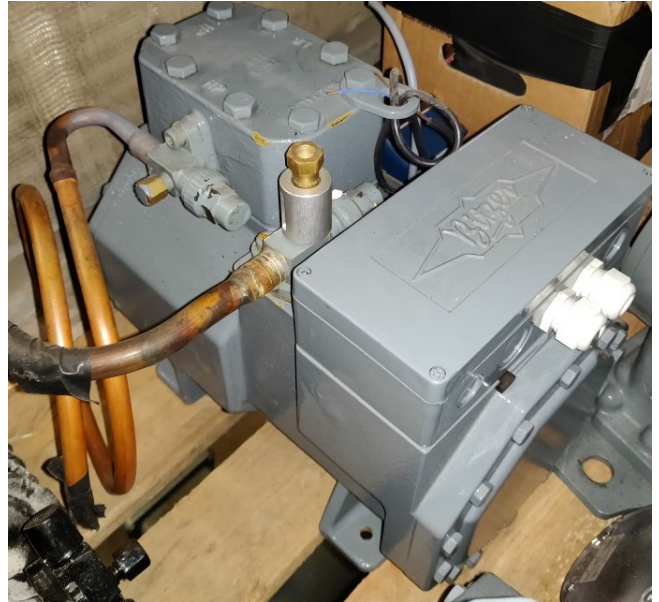


Bitzer 2KSL-1K-40S

Specifications

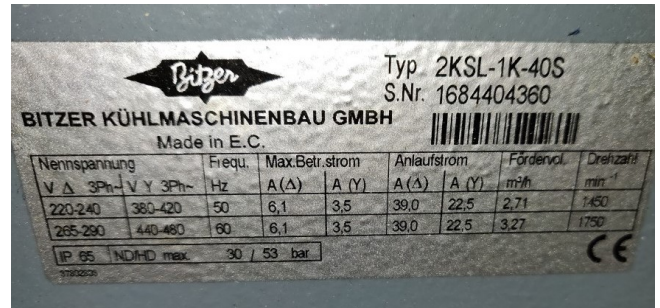
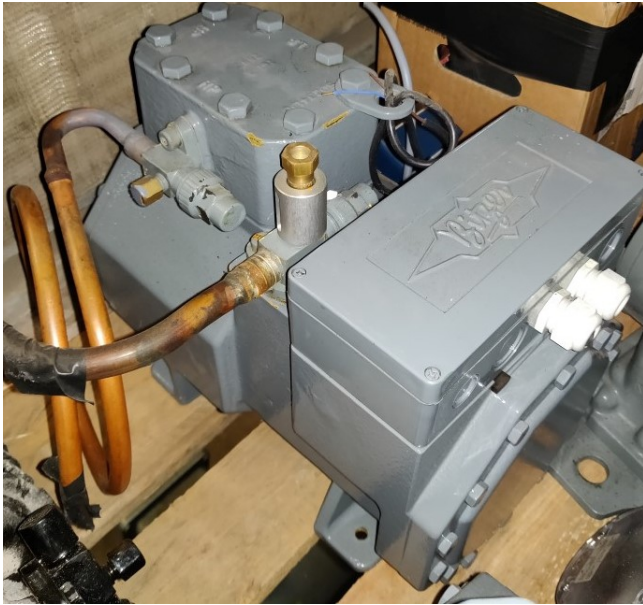
Brand	Bitzer
Type	2KSL-1K-40S
Refrigerant	CO2
kW at -30°C/+40°C	6.1 *
kW at -40°C/+40°C	3.6 #
Remarks	* temperature based on -10°C/-30°C // # temperature based on -10°C/-40°C
Stock	1



Description

Used Bitzer 2KSL-1K-40S

Used, but in good condition, deep freeze CO2 Bitzer 2KSL-1K-40S Semi-hermetic Reciprocating Compressor. For all the other specs (if available), see the picture of the manufacturer model plate or the attached pdf file. *Why choose for HOSBV? We are 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 arrange the logistics.



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Selection: Semi-hermetic Reciprocating Compressors

Input Values

Compressor model: 2KSL-1K
Mode: Refrigeration and Air conditioning
Refrigerant: R744
Reference temperature: 24°C
Uq subc. (in condenser): 0 K

Suct. gas superheat: 10,00 K
Operating mode: Subcritical
Power supply: 400V/3-50Hz
Capacity control: 100%
Useful superheat: 100%

Result

Q [W]
Q_u [W]
P [kW]
I [A]
Q_c [W]

Cooling capacity
Evaporator capacity
Power input
Current
Condenser Capacity (w. HX)

COP [-]
m [kg/h]
Op.
th [°C]

COPIER
Mass flow
Operating mode
Discharge gas temp. w/o cooling

tc	to	-25°C	-30°C	-35°C	-40°C	-45°C	-50°C	-55°C	-60°C
-30°C									
Q [W]				5834	4532	3437	2541		
Q _u [W]				5834	4532	3437	2541		
P [kW]				0,77	0,83	0,85	0,83		
I [A]				2,56	2,60	2,62	2,60		
Q _c [W]				6563	5322	4243	3331		
COP [-]				7,60	5,45	4,05	3,06		
m [kg/h]				71,8	56,1	42,8	31,8		
Op.				Standard	Standard	Standard	Standard		
th [°C]				23,4	30,9	33,4	34,6		
-10°C									
Q [W]		7622	6107	4800	3689	2761	2011		
Q _u [W]		7622	6107	4800	3689	2761	2011		
P [kW]		0,99	1,01	1,05	1,04	0,99	0,92		
I [A]		2,66	2,74	2,78	2,77	2,73	2,67		
Q _c [W]		8481	7066	5797	4675	3703	2887		
COP [-]		8,44	6,05	4,58	3,55	2,78	2,18		
m [kg/h]		100,8	81,0	63,9	49,4	37,2	27,3		
Op.		Standard	Standard	Standard	Standard	Standard	Standard		
th [°C]		26,9	37,7	50,1	64,8	83,1	106,9		
0°C									
Q [W]		6310	5014	3895	2941	2142			
Q _u [W]		6310	5014	3895	2941	2142			
P [kW]		1,30	1,32	1,28	1,21	1,11			
I [A]		3,02	3,04	3,00	2,93	2,83			
Q _c [W]		7549	6270	5116	4089	3195			
COP [-]		4,84	3,79	3,03	2,43	1,93			
m [kg/h]		91,4	72,8	56,8	43,1	31,6			
Op.		Standard	Standard	Standard	Standard	Standard			
th [°C]		52,2	64,0	77,8	94,9	117,8			

- No calculation possible (see message in single point selection)
*According to EN12590 (10K suction gas superheat, 0K liquid subcooling)

Application Limits 2KSL-1K