

# Bitzer 6H.2

## Specifications

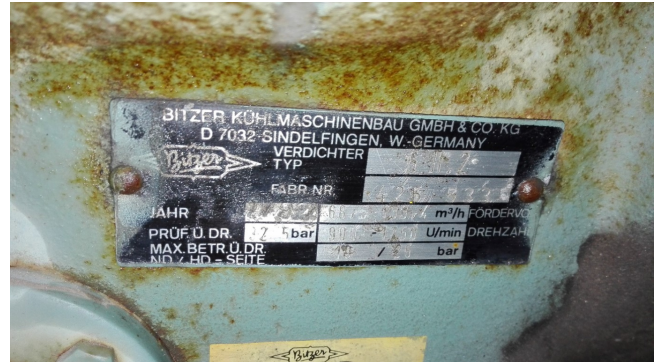
Brand	Bitzer
Type	6H.2
Refrigerant	Freon
Refrigerant type	R 404 A or other types
kW at 0°C/+40°C	89.9
kW at -10°C/+40°C	61.8
kW at -20°C/+40°C	40.6
kW at -30°C/+40°C	25.0
kW at -40°C/+40°C	13.8
Electromotor Specs	15
Unloaded Start	✓
Capacity Control	✓
Pressure gauges	✓
Hp/Lp/Op	
Stock	1



## Description

### Used Bitzer 6H.2

Used V-belt driven Bitzer 6H.2 Open-Type Reciprocating piston Compressor with electromotor +/- 15kW. 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.



## Input values

compressor model 6H 2Y-K Useful superheat 100%  
 refrigerant R404A Motor speed 1450 /min  
 reference temperature 20.00 °C Drive Coupling (1:1)  
 iq, subc. (in condenser) 0 K Capacity Control 100%  
 suction gas temperature 20.00 °C

## result

		Cooling capacity	COP [-]	COPIER	
		Power input	COP* [-]	COPIER*	
		Condenser Capacity	m [kg/h]	Mass flow	
			n [min]	Compr. speed	
to	10°C	0°C	-10°C	-20°C	-30°C
0°C					
Q [W]	104066	71773	47677	30023	17433
Q* [W]	104066	71773	47677	30023	17433
P [kW]	22.4	20.5	17.44	13.86	10.29
Qc [W]	126475	92236	65113	43887	27722
COP [-]	4.64	3.51	2.73	2.17	1.69
COP* [-]	4.64	3.51	2.73	2.17	1.69
m [kg/h]	2645	1785	1168	727	419
n [min]	1450	1450	1450	1450	1450
0°C					
Q [W]	89884	61843	40684	25067	13837
Q* [W]	89884	61843	40684	25067	13837
P [kW]	25.7	22.8	18.86	14.61	10.52
Qc [W]	115704	84612	59545	39675	24459
COP [-]	3.50	2.72	2.16	1.72	1.30
COP* [-]	3.50	2.72	2.16	1.72	1.30
m [kg/h]	2581	1731	1119	681	373
n [min]	1450	1450	1450	1450	1450
0°C					
Q [W]	75446	51664	33591	20115	10307
Q* [W]	75446	51664	33591	20115	10307
P [kW]	29.2	25.3	20.7	15.81	11.49
Qc [W]	104679	77013	54241	35922	21795
COP [-]	2.58	2.04	1.63	1.27	0.90
COP* [-]	2.58	2.04	1.63	1.27	0.90
m [kg/h]	2513	1673	1066	629	319
n [min]	1450	1450	1450	1450	1450

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