

# Bitzer 6H.2

## Specifications

Marque	Bitzer
Le type	6H.2
Réfrigérant	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
Électromoteur Specs	15
Démarrage à vide	✓
Contrôle de capacité	✓
Manomètres	✓
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? We're 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.2V-K	Useful superheat	100%
Refrigerant	R404A	Motor speed	1450 /min
Reference temperature	Dew point temp.	Drive	Capacity Control
iq, subc. (in condenser)	0 K	Capacity Control	100%
Suction gas temperature	20.00 °C		

### Result

	to	Cooling capacity								COP [-]		COPEER	
		10°C	0°C	-10°C	-20°C	-30°C	-40°C	-50°C	-60°C	COPEER*	COPEER**	Mass flow	Compr. speed
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 [1/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	10.62							
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 [1/min]		1450	1450	1450	1450	1450							
0°C													
Q [W]		75446	51664	33591	20115	10307							
Q* [W]		75446	51664	33591	20115	10307							
P [kW]		23.2	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 [1/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)