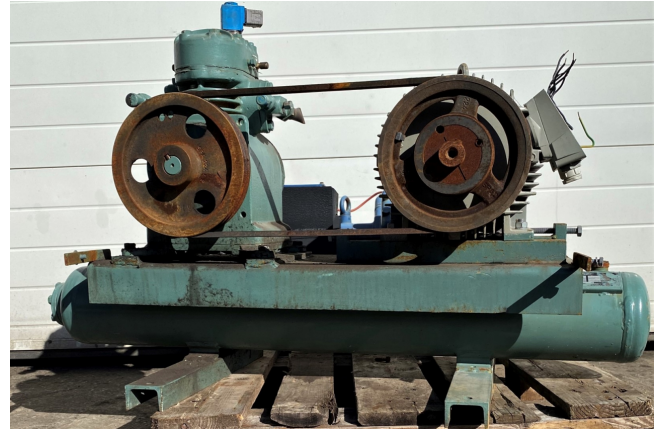


Bitzer 2N.2 Tank Aggregate

Specifications

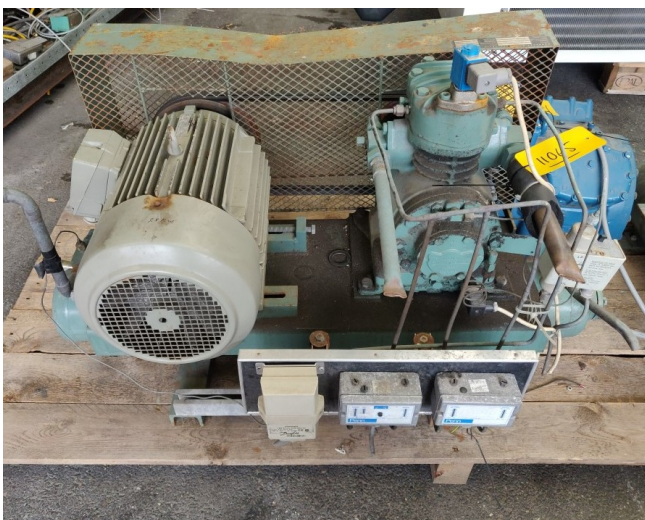
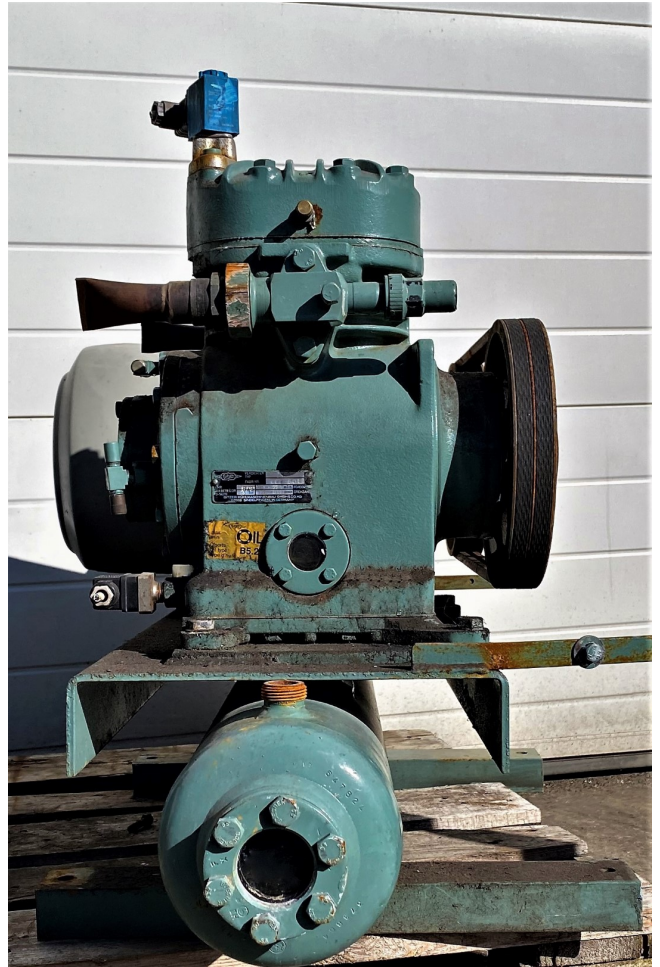
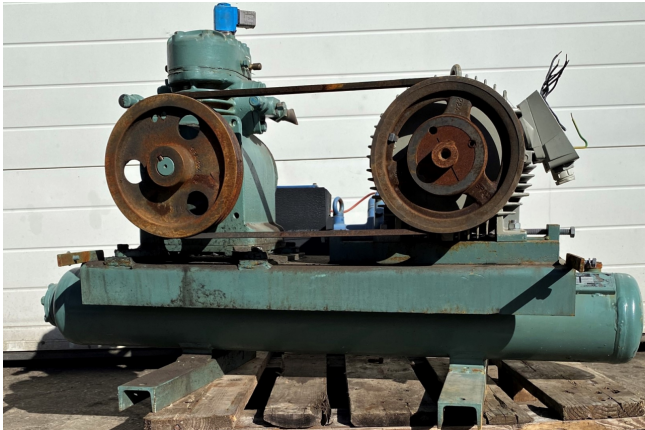
Merk	Bitzer
Type	2N.2 Tank Aggregate
Koudemiddel	Freon
kW at +10°C/+40°C	30,8
kW at 0°C/+40°C	21,6
kW at -5°C/+40°C	17,9
kW at -10°C/+40°C	14,7
kW at -20°C/+40°C	9,54
kW at -30°C/+40°C	6.6
kW at -40°C/+40°C	3.7
Elektromotor Specs	7.5kW at 1450 RPM
Onbelaste aanloop	✓
Druk veiligheids schakelaars	✓
Vloeistof tank	✓
Vloeistof tank ltr.	19 ltr.
Kijk glas	✓
Opmerkingen	R404a - R22 or other freon types
Afmetingen	1200x550x730 mm (LxWxH)
Stock	1



Description

Used Bitzer 2N.2 Tank Aggregate

Gebruikte Bitzer 2N.2 open-type zuigercompressor met een rotor S36795 elektromotor met 7,5 kW en 1450 TPM bij 50 Hz. Deze compressor is uitgerust met een Bitzer vloeistofreservoir met een inhoud van maximaal 19 liter





BEI-ZeK Software v6.10.2 revZZ20 | 15.10.2019 / All data subject to change. 1 / 3

Selection: Open-Type Reciprocating Compressors

Input Values

Compressor model	2N.2K	Useful superheat	100%
Refrigerant	R22	Motor speed	1450 /min
Reference temperature	Dew point temp.	Drive	Coupling (1:1)
Liq. subc. (in condenser)	0 K	Capacity control	100%
Suction gas temperature	20.00 °C		

Result

ic	to	Temperature (°C)							
		10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
30°C	Q [W]	34372	28913	24162	20036	16466	13389	10752	8508
	Q* [W]	34372	28913	24162	20036	16466	13389	10752	8508
	P [kW]	4.79	4.79	4.72	4.59	4.40	4.16	3.87	3.55
	Oc [W]	38918	33459	28643	24392	20643	17340	14433	11880
	COP [-]	7.18	6.04	5.12	4.37	3.74	3.22	2.78	2.40
	COP* [-]	7.18	6.04	5.12	4.37	3.74	3.22	2.78	2.40
	m [kg/h]	687	572	474	390	319	258	206	162.6
	n [1/min]	1450	1450	1450	1450	1450	1450	1450	1450
	Q [W]	30865	25959	21680	17955	14726	11938	9543	7499
	Q* [W]	30865	25959	21680	17955	14726	11938	9543	7499
40°C	P [kW]	5.93	5.76	5.54	5.28	4.97	4.62	4.24	3.82
	Oc [W]	36502	31434	26946	22970	19448	16329	13568	11125
	COP [-]	5.20	4.50	3.91	3.40	2.96	2.58	2.25	1.96
	COP* [-]	5.20	4.50	3.91	3.40	2.96	2.58	2.25	1.96
	m [kg/h]	665	553	458	376	307	247	196.7	154.0
	n [1/min]	1450	1450	1450	1450	1450	1450	1450	1450
	Q [W]	27654	23250	19397	16033	13108	10575	8391	6520
	Q* [W]	27654	23250	19397	16033	13108	10575	8391	6520
	P [kW]	7.10	6.73	6.32	5.89	5.44	4.95	4.44	3.91
	Oc [W]	34401	29639	25402	21631	18272	15281	12614	10234
50°C	COP [-]	3.89	3.46	3.07	2.72	2.41	2.13	1.89	1.67
	COP* [-]	3.89	3.46	3.07	2.72	2.41	2.13	1.89	1.67
	m [kg/h]	648	539	445	365	296	237	187.5	145.1
	n [1/min]	1450	1450	1450	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)

Application Limits Standard 2N.2

70

Legend

additional cooling & suction gas