Bitzer 4T.2 condensing unit

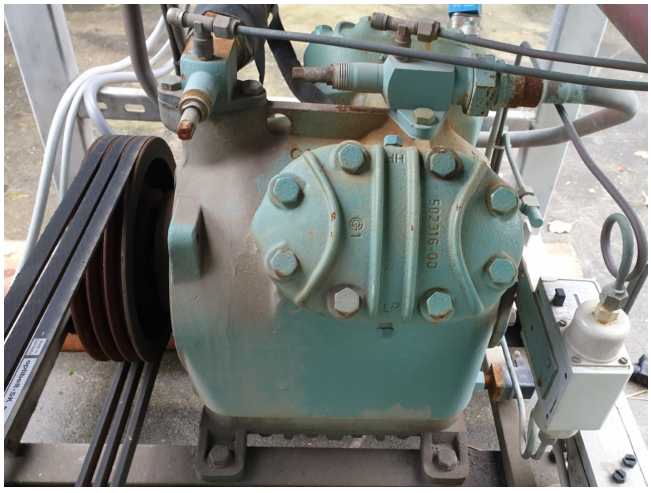
Specifications

Merk	Bitzer
Type	4T.2 condensing unit
Koudemiddel	Freon
kW at 0ºC/+40ºC	33,1
kW at -5ºC/+40ºC	27,6
kW at -10ºC/+40ºC	22,8
kW at -20ºC/+40ºC	15,1
kW at -30ºC/+40ºC	9,4
kW at -40ºC/+40ºC	5,2
kW at -45ºC/+40ºC	3,7
Elektromotor Specs	N/A (can be changed)
Onbelaste aanloop	✓
Capaciteits Controle	✓
Druk veiligheids schakelaars	✓
Olie afscheider	✓
Filter droger	✓
Opmerkingen |	Our capacity table is based on Manufacturer spec. We would like to know which refrigerant is in your system
Condensing Unit	✓
Afmetingen	2150x760x1440 mm (LxWxH)
Stock	1

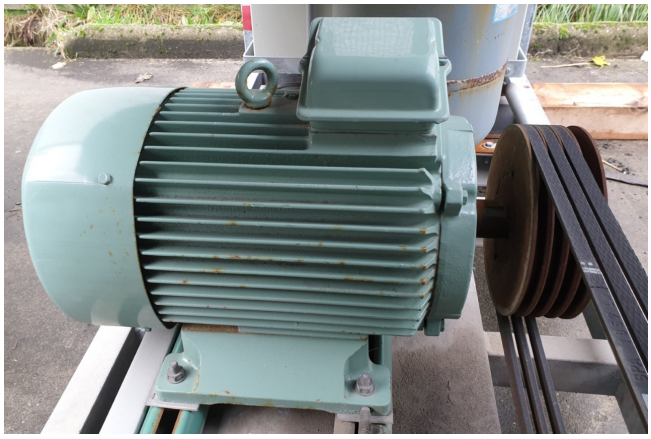
Description

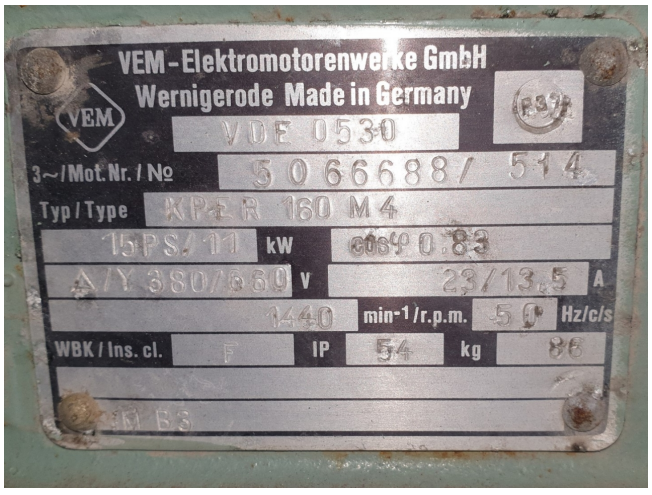
Used Bitzer 4T.2 condensing unit

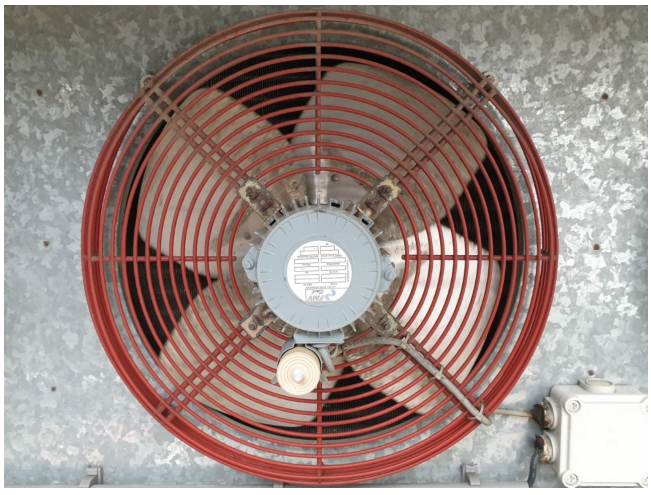
Gebruikte condensorunit met een Bitzer 4T.2 Open-Type zuigercompressor met een VEM KPER 160 M4 elektromotor: 50 Hz - 11 kW - 1440 RPM, vloeistofontvanger en een vloeistofleidingfilterdroger.

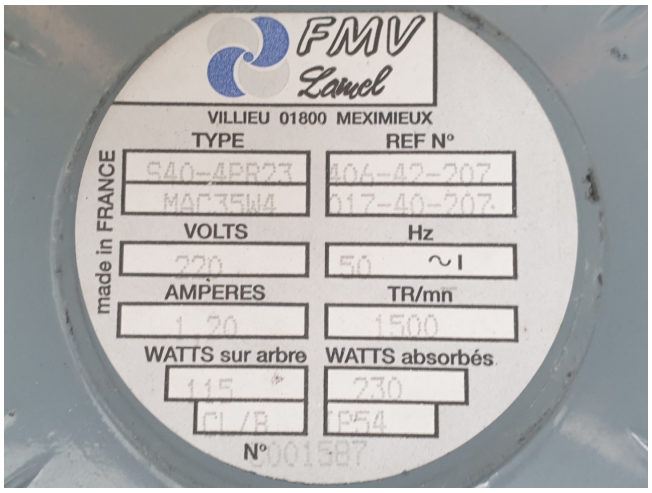



BITZER KÜHLMASCHINENBAU GMBH & CO. KG
D 7032 SINDELFINGEN W. GERMANY
VERDICHTER
TYP
FABR. NR.
JAHR
PRÜF. Ü. DR.
MAX. BETR. Ü. DR.
ND / HD - SEITE
bar
m³/h FÖRDERV.
U/min DREHZAHL




VEM-Elektromotorenwerke GmbH
Wernigerode Made in Germany
VEM
VDE 0530
3~/Mot.Nr./№
Typ/Type
kW
V
A
min⁻¹/r.p.m.
Hz/c/s
WBK/Ins.cl.
IP
kg





Result

Q [W] Cooling capacity
Q* [W] Cooling capacity *
P [kW] Power input
Qc [W] Condenser Capacity
COP [-]
COP* [-]
m [kg/h]
n [/min]
COP/EER
COP/EER *
Mass flow
Compr. speed

tc	to	10°C	0°C	-10°C	-20°C	-30°C	-40°C	-50°C	-60°C
30°C	Q [W]	--	38121	26355	17572	11134	6539	--	--
	Q* [W]		38121	26355	17572	11134	6539		
	P [kW]		8,23	7,61	6,55	5,35	4,29		
	Qc [W]		46355	33961	24123	16483	10826		
	COP [-]		4,63	3,46	2,68	2,08	1,53		
	COP* [-]		4,63	3,46	2,68	2,08	1,53		
	m [kg/h]		969	656	430	270	157,2		
	n [/min]		1450	1450	1450	1450	1450		
40°C	Q [W]	--	33057	22790	15064	9353	5236	--	--
	Q* [W]		33057	22790	15064	9353	5236		
	P [kW]		9,33	8,26	6,94	5,66	4,69		
	Qc [W]		42387	31053	22008	15009	9921		
	COP [-]		3,54	2,76	2,17	1,65	1,12		
	COP* [-]		3,54	2,76	2,17	1,65	1,12		
	m [kg/h]		948	638	414	254	141,1		
	n [/min]		1450	1450	1450	1450	1450		
50°C	Q [W]	--	27768	19081	12471	7530	3918	--	--
	Q* [W]		27768	19081	12471	7530	3918		
	P [kW]		10,40	9,00	7,53	6,27	5,49		
	Qc [W]		38165	28084	20004	13799	9406		
	COP [-]		2,67	2,12	1,66	1,20	0,71		
	COP* [-]		2,67	2,12	1,66	1,20	0,71		
	m [kg/h]		925	618	396	236	121,4		
	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)