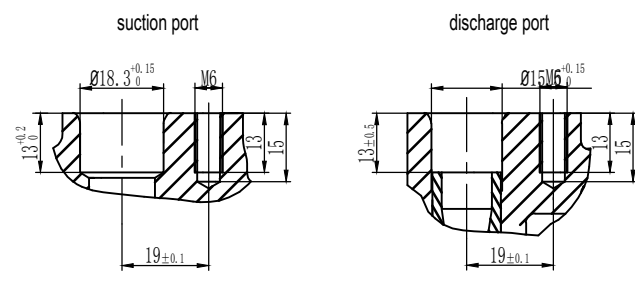


**Basic Parameter**

P/N	KP-WS20C012-01
Displacement	mL/r 20
Rated voltage	V 12
Rated working current	A 90
over voltage/recovery	V 18/ 16
under voltage/recovery	V 9 / 10
voltage for control	V 12(9~16)
Refrigerant	R134a
oil type	POE 68
oil volume	mL 90±10
Rated speed	rpm 4000
Speed Range	rpm 2500~4000
N.W	kg ≤ 6
Cooling capacity	kW 2.3
Power consumption	kW 1.12
COP	W/W 2.05
Condition :	
suction pressure : 0.3MPa(A) sub-cooling : 5°C	
discharge pressure : 1.5MPa(A) sub heat : 10°C	
speed : 4000rpm	

Name	Connector P/N	female connector P/N	color	Definition	Instruction
HV END	Terminal:OT22-8 tinned cooper	/	red	positive	12V DC+
			black	negative	12V DC-
LV END	5 pins cable	/	red	ON/OFF	Start at low potential, stop at high potential and suspending
			black	GND	
			white	PWM	4000HZ PWM 0~10% 1000RPM, 90~100% 4000RPM, 10~90% speed control.
			blue	null	
			green	null	



**Technical Request**

- 1、type test comply to GB/T 22068-2018
- 2、the compressor appearance must be clean, no oil stain, no burr, no rust and with correct label
- 3、leakage <14g/year(◇) ;
- 4、insulation resistance≥50MΩ ( before connector the compressor with the system ) ;
- 5、the sea shipping compressor will be filled in oil and be charged with 0.03~0.05MPa ( gauge pressure ) nitrogen to keep dry
- 6、protect the compressor from mishandling
- 7、make sure the compressor oil won't leak out during installation ;
- 8、connector the compressor with the system in 10 minutes , after moving out the plug and vacuum out the air ;
- 9、the insulation resistance≥20MΩ (after the compressor connector and filled in the refrigerant ;
- 10、do not touch the compressor , when it is working ;

compressor drawing								KEPLER	
20cc compressor								KP-WS20C012-01	
标记	处数	分区	更改文件号	签名	日期	阶段标识	重量	比例	
设计			标准化			S		1:1	
审核						图样版本	CAD系统	图幅	张数
工艺			批准			A00	2004	A2	1/1
第一角投影									