

## Technical Data 12-24 Volt DC Compressors

COMPRESSOR		PRO 30 VS				PRO 35 VS			
Displacement	cm <sup>3</sup>	3.0				3.5			
Application		LBP				LBP			
Speed	rpm	2000	2500	3000	3500	2000	2500	3000	3500
Cooling Capacity	W	51.6	63.6	74.4	86.4	60	73	86	100
Input Power	W	49	60.5	70	83	55.5	68.2	81.1	95.2
Operating Current	A	4.08	5.05	5.80	6.90	4.62	5.68	6.75	7.93
COP	W/W	1.05-1.05-1.06-1.04				1.08-1.07-1.06-1.05			
Operating Voltage	V DC	10.4~17,0V、22.7~36,0V				10.4~17,0V、22.7~36,0V			
Cooling		Static or Fan cooling				Static or Fan cooling			
Lubricant		Polyester				Polyester			
Weight	kg	4.8				4.8			
Weight of Controller	kg	0.4				0.4			
Motor Type		BLDCM				BLDCM			
Refrigerant Gas		R134a				R134a			
Expansion Device		Capillary				Capillary			
Power Supply	VDC	12/24				12/24			
<b>TEST CONDITIONS :</b>		Evaporating Temp	- 23.3°C	Condensing Temp.	54.4°C	Suction. Temp.	32.2°C		
		Sub-cooling Temp.	32.2°C	Ambient Temp.	32.2°C	Test Voltage	12VDC		



### Controller specification

External box: black aluminum alloy

The electronic unit is a dual voltage device. This means that the same unit can be used in both 12V and 24V power supply systems. Maximum voltage is 17V for a 12V system and 36V for a 24V power supply system. Max. ambient temperature is 55°C. The electronic unit has a built-in thermal protection which is actuated and stops compressor operation if the electronic unit temperature gets too high.