



## **MAIN FEATURES:**

ROTOR PROFILE: VMC has engineered its own rotor profile in order to reach maximum performance even in the most extreme conditions and guarantee efficiency and duration. This means higher air-flow rate for less energy consumption. ROTOR Adjustment: Threaded nuts are used to adjust rotors for a very fast and reliable maintenance. BEARINGS: Radial and thrust bearings have been engineered for generous reserve. Only first-quality bearings are used. SHAFT SEAL: An excellent reliability of shaft seal, thanks to the use of first-rate quality materials leads to no oil leakages. VERSIONS available: belt and gear-driven. DIRECT DRIVEN: Air-ends can be supplied with relative direct-driven kit (bell housing + spider couplings).

SPECIAL APPLICATION: Air-end are also available for Natural Gas applications.

## MAINTENANCE:

The wear-and-tear of air-end components depends on compressor applications and operating parameters. Air-end inspection and ordinary maintenance are recommended using VMC's original spare parts kits whose instructions are indicated in the maintenance and trouble-shooting document.

TECHNICAL DATA		V180	V180G
Outside male diameter:	mm - inch	179 - <mark>7,05</mark>	
Outside female diameter:	mm - inch	147 - <mark>5,79</mark>	
L/D:		1,55	
Air Capacity (ISO 1217 ANNEX B 2009)	m³/min	7,5 - 17	
	cfm	266 - 603	
Max Working Pressure	bar g - psi g	13 - 189	
Min Working Pressure	bar g - psi g	5 - 73	
Oil injected Quantity	L/min	65 - 140	
	gal/min (US)	17 - 37	
Max Input Power	kW	110	
	hp	147	
Max main rotor speed	rpm	4500	
Max outlet air/oil Temperature	°C - °F	105 - <mark>221</mark>	
Weight	kg - lb	230 - 508	280 - 617,3

Air flow rate related to suction condition according to ISO 1217 Annex B 2009: relative humidity=60%; suction press. (abs)=1 bar; suction temp.=20°C; disch. temp.=80°C





