

Huco Piston Air Motors

UNIQUE FEATURES

- **Instant Start-Stop:** Huco motors can start, stop and drive under load with characteristics similar to a stepper motor.
- **Controllable Speed & Torque:** Speed can be controlled accurately by adjusting inlet valve and then fine adjustment through needle valve on the exhaust port.

FEATURES & BENEFITS

- **Energy Saving:** Leakage is minimal so consumption is much lower than other air motors
- **Quiet Operation:** Very low noise levels compared with vane type air motors
- **Clean Environment:** Motors run with clean, dry air supply - no lubrication needed
- **Max Torque at Start Up:** Floating pistons provide maximum torque at start up
- **Reversing:** Motor can be reversed using 5-port air valve
- **Programmable Control:** Sensors can be fitted for programmable control
- **High Torque:** Torques up to 550Nm achievable with reduction gearbox
- **ATEX Certified:** Safe for use in hazardous environments
- **Corrosion Resistant:** Ideal for washdown in food environment
- **Can Run Under Water**



SIZE	MAX TORQUE (Nm)		MAX SPEED (rev/min)	AVAILABLE MATERIALS			OVERALL DIAMETER (mm)	OVERALL LENGTH (mm)	SHAFT DIAMETER (mm)
				Aluminium	Stainless Steel	Acetal			
1	2.79	at 200 rev/min	800	✓		✓	113	133	10
2	6.25		800	✓	✓		167	153	14*
3	9.9		700	✓	✓	✓	199	169	14*
7	15.7	at 100 rev/min	400	✓			244	200	12.7

*12.7mm (1/2") also available

OPTIONS

- Planetary gearboxes available with reductions up to 308:1
- Worm gearboxes available with reductions up to 100:1
- Helical gearboxes available with reductions up to 270:1

APPLICATIONS

- **Automotive:** Paint stirring (agitation), Carousel drive, Pump drive
- **Food:** Agitation/mixing, small conveyor drive
- **Marine:** Submerged propeller drive
- **Oil & Gas:** Cable winding/unwinding control
- **Packaging:** Back tensioning on label reels and packing reels

WHAT YOU NEED TO KNOW

Huco air motors are not expected to replace vane type air motors in all kinds of drive situations. Vane motors usually operate at higher speeds than piston motors and are intrinsically more suitable for high speed applications. Huco motors are best for controlled torque and low speeds.

FOR TECHNICAL SUPPORT, CONTACT:

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