



Technical Data Sheet IG6 Taurus II 24V HP 4,7 Ohm

last update 2020/09/09



Characteristic	Unit	Value	Note
Injector Version	N° of cylinders	3,4,5 or 6	
Material body and treatment		Aluminium black anodized	
Relative Pressure	Bar (Psi)	From 1 to 9 (14 to 130)	Working pressure
		10 (145)	Max pressure
Rated voltage (at coil)	Volt	19,5 - 28,5	
Minimum copper wire section for coil connection	mm ²	0,75	
Coil type	by encoding	E4 - Black cap	
Resistance	Ω	4,7	± 5% at T= 25°
Suggested peak current time (duration)	ms	4,5	
Suggested peak current value	A	5,1	at 24 V 12 Hz
Suggested holding current (±10%)	A	1,7	
Cold Starting Requirements		Increase up to 20% the "peak current time" for first cycles when gas temperature is < 10°C	
Complete OPENING Response Time	ms	2,4	± 5% tested with max nozzle at 14V Dp=5 bar T= 25°C
Complete CLOSING Response Time	ms	1,1	
Minimum injection pulse	ms	2,6	
Stroke	Micron	400	1 A supply current
Seat Diameter	mm	2	
Static flow rate (with max nozzle Φ) for 1 single injector at 20°C (with air)	SLPM (sL/min)	230	at 7 bar inlet pressure
		320	at 9 bar inlet pressure
Calculated max flow rate (with max nozzle Φ) for 1 single injector CNG at 20°C (G20 CNG fluid)	gr/sec	3,5	at 7 bar inlet pressure
		5	at 9 bar inlet pressure
	Kg/h	12,5	at 7 bar inlet pressure
		18	at 9 bar inlet pressure
Calculated max flow rate (with max nozzle Φ) for 1 single injector LPG at 20°C	gr/sec		
	Kg/h		
Leakage (tested with air)	cc/h	≤ 15	
Noise level	dB		±1 dB Rail Test Condition
Compatibility with gas		LPG, CNG	
Driver Stage		Peak and Hold (PWM)	

Coil Connector type		2 way Amp/Delphi super seal female connector with tab contacts	About connecting wire, refer to our drawing, code 114.01.AMP.001
Inlet gas fitting for rubber hose	mm	Ø10 mm / Ø12 mm / Ø14 mm / Ø16 mm	
Outlet gas fitting		Calibrated nozzles M8x1 for rubber hose Ø 4 mm - Ø 5 mm - Ø 6 mm	
Calibrated hole \varnothing range (for nozzles)	Ø		
Approvals		/	
Operating Ambient Temp Range	°C	-20°C / +120°C	
Principle of operation		Solenoid valve - Normally closed - Mobile Plunger	
Power handling capability LPG	HP/cyl		
Power handling capability CNG	HP/cyl	9 bar up to 90 HP/cyl	
Coil IP Rating		IP67	

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