

Suggested setup parameters for IMO Jaguar VXR "Torque Vector"

VXR Functions Group	Nr.	Description General	Factory Setting	Suggested Setting	Actual Setting	Suggested Setting Description
1. F	F 01	Freq Command 1	0			Speed reference: 0=up/down keys on keypad, 1=Pot or 0-10V control , 2 = 4-20mA
	F 02	Control Method	2	1		2 = Control from Keypad RUN (forwards) & STOP, 1=Control by terminals FWD & REV.
	F 03	Max Frequency	50Hz			Sets maximum output speed (Hz) for 10V or 20mA ref input
	F 05	Rated Voltage 1	230/400	220/380		Safer to set lower nameplated voltage e.g. 380-420V set 380V (continental winding)
	F 06	Max voltage	230/400			Allows higher voltage (if available) for overload and high speeds
	F 07	Accel Time 1	6.00s			Time taken from zero to max frequency
	F 08	Decel Time 1	6.00s			Time taken from max freq to zero speed
	F 11	Overload Level	Default for motor			Normal overload setting - often nameplate motor Amps
	F 14	Restart	0	5		Ignores power down, no trip, powers up after interrupt to become available
	F 15	High limit	70Hz			Sets high speed limitation - ensure this doesn't impede max freq unless needed
	F 16	Lo Limit	0Hz			Sets Low speed limitation, this becomes 'sleep' speeded when H63 selects this function
	F 26	Motor sound	15	4		Reduces heat in panel unless super quiet motor essential
	F 37	Load Selection	1	2		0 = energy saving, 1=CT (set F 09), 2 = AUTO (poss best setting if Vector Control (F42=1) & P02,P03 set)
F 42	Vector Select	0	1		Selects Vector mode (NB ensure motor info is correct, tune if possible)	
1. E	E 01-E05	X terms function	0	0		Programs X1-X5 terminals as preset speeds, hand / auto etc
	E 20,21,27	Y terms function	0, 99			Programs Y1,Y2E, 30ABC relay as req'd e.g. RUN, TRIP, PID alarm, At Speed etc
	E 52	Display Mode	0	2		Opens all menus,e.g. 2.rEP shows all 'changed parameters
1. C	C 05-20	Preset speeds	0.00Hz			
1. P	P 02	Motor Capacity	Motor kW			Motor size relative to Jag rating helps motor map model
	P 03	Motor rated Amps	Default for motor			Vector information for optimum motor control - use default if close
	P 04	Tuning	0	1		1' for static motor tune, 'RUN' to start
	P 06	No load Amps	Default for motor			Vector info - if N/A, contact IMO or use default setting if looks OK
1. H	H 06	Fan Stop	0	1		On/off control of fan with temperature may lengthen fan bearing life
	H 07	ACC PTN	0			0 = normal linear ramp, 1 = S ramp (weak), 2 = S (strong), 3 = curvilinear (fan)
	H 11	Dec Mode	0			0 = Ramp to stop, 1 = Freewheel / coast to stop