

FUJI FRENIC LIFT GEARLESS MOTOR PARAMETERS



Sky
Elevator
www.sky-elevator.com

F01	0		P01	Number of pole
F03	Max. Speed (Motor RPM)			(Set P01 parameter before setting F03 parameter)
F04	Motor RPM		P02	Motor power.... KW (Set)
F05	Motor Voltage		P03	Motor current In...A (Set)
F07	2.5sn (Acceleration time)		P06	000A (No-load current)
F08	2,0sn (Deceleration time)		P07	5%
F23	00 rpm (Start frequency)		P08	10%
F24	0.60sn- Start frequency(Hold time)		H06	3 min.(Cooling fan control)
F25	00 rpm (Stop frequency)		L01	4 or 5 (Encoder type)
F26	10-15 KHz		L02	Encoder pulse.....P/R
F42	1 (Gearless Motor)		L12	011
E01	0---FAST (SS1)		L13	110
E02	2---SLOW (SS4)		L14	100
E03	1---JOG (SS2)		L15	111
E04	8---RESET		L16	001
E07	7---BX		L17	010
E08	63---BATRY		L18	101
E14	1sn		L19	S-Curve setting 1 30%
E20 (Y1)	12---	Main contactors control	L20	S-Curve setting 2 25%
E22 (Y3)	2 ---FDT	(Speed detected)	L21	S-Curve setting 3 25%
E23 (Y4)	37---ID	(Current detected)	L26	S-Curve setting 4 30%
E24 (Y5)	57---	Brake control	L28	S-Curve setting 10 20%
E31	20		L36	2.00
E32	3		L38	2.00
E34	0.8xIn (Direction test)		L65	1
E35	2.5sn		L68	2,5 (ASR P constant)
E48	Led monitor 3 (Motor speed)		L69	0,01 (ASR I constant)
C03	6 rpm	Battery operation speed (Set)	L80	1
C06	45 rpm	Jog speed (Set)	L81	100%
C07	6 rpm	Low speed (Set)	L82	0.2 s Brake ON delay time
C09		Third speed (Set)	L83	0.1 s Brake OFF delay time
C11	Motor rpm	High speed (Set)	L85	0.2 s Main contactors start-up delay time
C21	0---r/min	Speed command unit	L86	0.1 s Main contactors OFF delay time

GEARLESS MOTOR POLE-TUNING PROCEDURE

- 1-Be sure that motor encoder is connected to optional board in inverter
- 2-Connect a cable from PLC terminal to EN input. (In order to make pole-tuning EN input must be active.)
- 3-Push REM/LOC button a few seconds to set inverter to LOCAL position.
- 4- Connect motor cables to inverter directly or press K1-K2 contactors manually.
- 5-Set L03 parameter to (2)and press FUNC/DATA button.In order to start process press FWD or REV button. (In this process inverter will learn motor characteristics, the motor will not rotate and you can hear some noise).Inverter will save result of pole-tuning process to L04 parameter.If ER7 error is displayed change motor phases (for example U and V) and try again steps 4 and 5.
- 6-In order to verify pole-tuning process perform again steps 4&5.
- 7-Disconnect the jumper between PLC&EN. EN Input must be passive. Push REM/LOC button for a while to set inverter to REMOTE position