

Rexroth Fe Parameter training - exercise



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V01

Load Standard values

Parameter	Description	Value
B-39	Data protection options and initialization	0: All parameters are readable and rewritable 1: All parameters are read-only except [b01] and [b39] 2: Initialization to factory defaults at 50 Hz ④ 3: Initialization to factory defaults at 60 Hz 4: Clear all fault records

④: Press and hold ▲ key for 2 seconds to change [b39] from 1 to 2, 3 or 4.

Motor parameter

Parameter	Description	Value
B-03	Highest frequency	75Hz
B-04	Rated Motor frequency	50,0Hz
B-05	Rated motor voltage	230V
H-39	Rated motor power	0,4kW
H-40	Rated motor current	0,2A
H-47	Automatic motor parameter identification	2

Select control mode

Parameter	Description	Value
B-00	Set the source of control commands (options 1 and 3 have frequency command source)	0: Run/Stop control with digital operating panel 1: External via control terminals, Up/Down control 2: External via control terminals (including multispeed), while Stop key is activated 3..7

Select speed set-point

Parameter	Description	Value
B-02	Set the source of frequency commands	0: Set via the digital operating panel b-01 1: Direct action of the digital operating panel's potentiometer Kv*(0 – 5 V) 2: Inverse action of the digital operating panel's potentiometer Kv*(5 – 0 V) 3: Direct action of external terminal Kv*(0 – 5 V) 4..12

Ramp times

Parameter	Description	Value
B-16	Acceleration time	1,0s
B-17	Deceleration time	1,0s

Change range of potentiometer

Parameter	Description	Value
B-03	Highest frequency	60,0Hz
B-21	Upper frequency – UF	60,0Hz
B-25	Voltage gain of given channel Kv	1,0
B-30	Frequency corresponding to maximum curve setting 5V /10V== B30	60Hz

Torque increase

Parameter	Description	Value
B-19	Automatic torque increasing	10

DC brake

Parameter	Description	Value
B-42	Zero speed control selection	0: No output 1: Output DC voltage as per [b43] as holding torque 2: Output DC voltage as per V/F curve
B-43	Voltage command for zero speed control	0.0 % – 20.0 %BV

Rexroth Fe



Thank you
for your
attention