

Grizzly G0678 Yaskawa / Rhymebus RM5G-2001 VFD

Changes From VFD Default Settings

(Only functions with changes from the VFD factory defaults are shown!)

Function	Name	Description		Range of Setting	Unit	Default	Grizzly	
F_001	Start Command Selection		Start command	Rotation direction command	0~4	—	3	0
		0	FWD or REV terminal	FWD or REV terminal				
		1	FWD terminal	REV terminal				
		2	Keypad “RUN” key	FWD, REV terminal				
		3		Forward direction				
4	Reverse direction							
F_002	Primary Frequency Command Selection	0:Frequency command by analog signal via terminal. 1:Frequency command by keypad. 2: Motor speed (RPM) command by keypad. 3: Machine speed (MPM) command by keypad. 4: Frequency command by UP/DOWN terminal.		0~4	—	1	0	
F_006	Selection of Main Display	Select 1 of 8 “monitor modes” as the main display.		1~8	—	1	7	
F_007	Machine Speed Ratio	Set the ratio of machine speed. This function determines MPM display value.		0.00~500.00	0.01	20.00	15.00	
F_019	Primary Acceleration Time	The acceleration time of primary speed, preset speed 4~7, and jog speed.		0.0~ 3200.0	0.1 sec	15.0 (Note5)	1.0	
F_020	Primary Deceleration Time	The deceleration time of primary speed, preset speed 4~7, and jog speed.					1.0	
F_021	Acceleration Time of Preset Speed 1	Acceleration time of preset speed 1.					5.0	

F_022	Deceleration Time of Preset Speed 1	Deceleration time of preset speed 1.				5.0
F_023	Acceleration Time of Preset Speed 2	Acceleration time of preset speed 2.				5.0
F_024	Deceleration Time of Preset Speed 2	Deceleration time of preset speed 2.				5.0
F_025	Acceleration Time of Preset Speed 3	Acceleration time of preset speed 3.				5.0
F_026	Deceleration Time of Preset Speed 3	Deceleration time of preset speed 3.				5.0
F_027	Secondary Acceleration Time	Switch to secondary acceleration time by multi-function input terminal.				1.5
F_028	Secondary Deceleration Time	Switch to secondary deceleration time by multi-function input terminal.				1.5
F_031	Maximum Output Frequency	Maximum output frequency of drive.	0.1~400.0	0.1Hz	50.0 (Note1) 60.0 (Note2)	150.0 (Note7)
F_048	Motor Rated Current	Set the value according to the motor rated current.	10%~150% of drive rated current	0.1A	According to the rated current of motor	4.1
F_049	Motor No-Load Current	Current setting according to the motor's no-load condition.	0~motor rated current	0.1A	1/3 motor rated current	2.0
F_050	Motor Slip Compensation	According to the load condition, set the motor slip compensation for motor running at constant speed. (0.0: off)	-9.9~10.0	0.1Hz	0.0	2.5
F_060	Output Terminal (Ta1,Tb1)	Frequency detection			11	4
F_062	Frequency Detection Range	Set the bandwidth of frequency detection range.	0.0~10.0	0.1Hz	2.0	.1
F_063	Frequency Detection Level	Set the frequency detection level of multi-function output terminal.	0.0~400.0	0.1Hz	0.0	60.00
F_064	Automatic Torque Compensation Range	According to the load condition, adjust the output voltage of the V/F pattern. (0.0: off)	0.0~25.5	0.1	1.0	2.0
F_065	System Overload	0: Disable 1: Enable	0,1	—	0	1

	Detection (OLO)					
F_068	System Overload Detection Level	When the output current of drive is larger than the level with the duration of F_069, the drive will trip to protection.	30%~200% of drive rated current	1%	160	80
F_072	Setting after Stall Prevention under Constant Speed	Set the acceleration time after stall prevention under the constant speed.	0.1~ 3200.0	0.1 sec	15.0 (Note5)	5.0
F_073	Deceleration Time Setting for Stall Prevention under Constant Speed	Set the deceleration time at the stall prevention under the constant speed.	0.1~ 3200.0	0.1 sec	15.0 (Note5)	5.0
F_081	Switching Frequency	The setting value is higher and the motor noise is lower.	0~6	—	1 (Note6)	6
F_092	Parameter Setting Lock	2: Parameters are changeable. Maximum frequency can exceed 120.0Hz.	0~3	—	0	2
F_104	Deceleration Time 1 of Ramp to Stop by Power Failure	Set a deceleration time down to the turning frequency set in F_106.	0.0~ 3200.0	0.1 sec	15.0 (Note5)	5.0
F_105	Deceleration Time 2 of Ramp to Stop by Power Failure	Set a deceleration slope below the frequency set in F_106	0.0~ 3200.0	0.1 sec	15.0 (Note5)	5.0

Note:

1. Default value of 50Hz.
2. Default value of 60Hz.
3. Specification of 200V series.
4. Specification of 400V series.
5. 0.5 ~ 5HP: 5sec 7.5 ~ 30HP: 15sec 40HP above: 30sec
6. RM5G series: When switching frequency setting exceeds 4, the drive must be de-rating or selecting higher capacity.
RM5Pseries: When switching frequency setting exceeds 2, the drive must be de-rating or selecting higher capacity.
7. 166.7 for 2500 RPM