

Data points

This table is valid for the frequency request setup using analogue input signal (terminal no. 53), 0 – 10V and digital inputs.

Data point	SETUP 1-digital	SETUP 2-digital	SETUP 3 0-10V	
001	0	0	0	Language (0-English]
002	0	0	0	Local/remote control
003	50	50	50	Local Reference Value
004	5	5	3	Parameter Active Set-up
005	5	5	5	Parameter Programming Set-up
006	0	0	0	Parameter Set-up Copying
007	0	0	0	LCP Copy – Control panel
008	1	1	1	Display Scale for Output Frequency
009	4	4	4	Large Display Readout
010	1	1	1	Small Display Readout 1.1
011	6	6	6	Small Display Readout 1.2
012	8	8	8	Small Display Readout 1.3
013	4	4	4	Local Control
014	1	1	1	STOP Button
015	0	0	0	JOG Button, Const. Speed
016	0	0	0	Reversing Button
017	1	1	1	RESET Button
018	1	1	1	Data Change Locking
019	1	1	1	Local Control, Operating State at Power at Start-up
020	0	0	0	Hand Mode Lock
024	0	0	0	User-defined Manual Menu
025	0 0 0	0 0 0	0 0 0	Quick Menu Parameter Set-up
100	0	0	0	Configuration
101	3	3	3	Torque Characteristics
102	Set Output	Set Output	Set Output	Motor Power (Rated Value)
103	230/400V	230/400V	230/400V	Motor Voltage (Rated Value)
104	50Hz	50Hz	50Hz	Motor Frequency (Rated Value)
105	Motor Current	Motor Current	Motor Current	(Rated Value)
106	Motor Speed	Motor Speed	Motor Speed	(Rated Value)
107	0	0	0	Automatic Motor Adaptation AMA
108	Do not change	Do not change	Do not change	Stator Resistance Rs
109	Do not change	Do not change	Do not change	Stator Reactance Xs
119	Do not change	Do not change	Do not change	High Start-up Torque
120	2s.	2s.	2s.	Start Delay (Motor Start-up]
121	1	1	1	Function at Start
122	0	0	0	Function at Stop
123	0,1Hz	0,1Hz	0.1Hz	Min. frequency to activate Stop
126	0	0	0	DC Braking Time
127	OFF	OFF	OFF	DC Braking Engaging Frequency-par. mot.
128	0	0	0	Motor Thermal Protection
130	0,0 Hz	0,0 Hz	0.0Hz	Start-up Frequency
131	0 V	0 V	0V	Voltage at Start
132	0%	0%	0%	DC Brake Voltage
133	5V	5V	5V	Start Voltage
134	100%	100%	100%	Load Compensation
135	Do not change	Do not change	Do not change	U/f Ratio
136	100%	100%	100%	Slip Compensation
137	0%	0%	0%	DC Hold Voltage
138	3 Hz	3 Hz	3Hz	Frequency at Cut-out
139	3 Hz	3 Hz	3Hz	Brake Switch On Frequency
140	0%	0%	0%	Current, Min. Value
142	Do not change	Do not change	Do not change	Depends on motor type (Leak Reactance)
143	0	0	0	Internal Fan Control
144	1,3	1,3	1,3	AC Brake Amplification
146	0	0	0	Voltage Vector
200	0	0	0	Output Frequency Range
201	0	0	0	Output Frequency Low Limit , f.min
202	50(xx)	50(xx)	50(xx)	Output Frequency High Limit , f.max *
203	0	0	0	Reference Value Range
204	0	0	0	Minimum Reference Value, ref.min.
205	50(xx)	50(xx)	50(xx)	Maximum Reference Value, Ref.max*.
206	0	0	0	Ramp Type
207	30s.	30s.	30s	Start-up Ramp 1
208	30s.	30s.	30s	Run-down Ramp 1
209	30s.	30s.	30s	Start-up Ramp 2
210	30s.	30s.	30s	Run-down Ramp 2
211	15s.	15s.	5s.	Start Up/Run Down Ramp Time at Constant Speed
212	15s.	15s.	5s.	Quick Stop Run Down Ramp Time

* (xx) for flying impeller

Data points

213	10 Hz	10 Hz	10Hz	Constant Speed Frequency
214	0	0	0	Reference Value Function – Reference Limits
215	44	100	0	Fixed Reference Value 1
216	58	0	0	Fixed Reference Value 2
217	72	0	0	Fixed Reference Value 3
218	86	0	0	Fixed Reference Value 4
219	0	0	0	Frequency Correction Coefficient, Up/Down
221	140%	140%	140%	Current Limit, I lim.
223	0	0	0	Low Current, I low
224	I _{max}	I _{max}	I _{max}	High Current, I high
225	0 Hz	0 Hz	0 Hz	Low Frequency, f low
226	Do not change	Do not change	Do not change	High Frequency, f high
227	-4000	-4000	-4000	Low Feedback, FB low
228	4000	4000	4000	High Feedback, FB high
229	0 Hz	0 Hz	0 Hz	Frequency Bypass, Bandwidth
230	0 Hz	0 Hz	0 Hz	Frequency Bypass 1
231	0 Hz	0 Hz	0 Hz	Frequency Bypass 2
302	7	7	7	Digital Input, Terminal 18
303	31	31	0	Digital Input, Terminal 19
304	23	23	0	Digital Input, Terminal 27
305	22	22	0	Digital Input, Terminal 29
307	0	0	0	Digital Input, Terminal 33
308	0	0	1	Analogue Input Voltage
309	0 V	0 V	0 V	Min. Setting
310	10 V	10 V	10 V	Max. Setting
314	0	0	0	Analogue Input Current
315	0 mA	0 mA	0 mA	Min. Setting
316	20 mA	20 mA	20 mA	Max. Setting
317	10 s.	10 s.	10s.	Time Interval after No-Value Error
318	0	0	0	Function after No-Value Error
319	0	0	0	Analogue Output, Terminal 42
323	1	1	1	Relay Output 1-3
327	5000 Hz	5000 Hz	5000 Hz	Pulse Ref. Value/Feedback
341	1	1	1	Digital Output, Terminal 46
342	5.000 Hz	5.000 Hz	5000 Hz	Terminal 46, Max. pulse Scale
343	0	0	0	Precise Stop Function
344	100000	100000	100000	Counter Value
349	10 ms	10 ms	10 ms	System Delay Time
400	5	5	5	Brake Function (5)
405	0	0	0	Reset Function
406	5 s	5 s	5 s.	Auto-Restart Time
409	OFF	OFF	OFF	Delayed Cut-out after reaching the Limit Current, I lim
411	4500 Hz	4500 Hz	4500 Hz	Switching Frequency
412	2	2	2	Variable Switching Frequency
413	1	1	1	Over-modulation Function
414	0	0	0	Min. Feedback, MB min
415	1500	1500	1500	Max. Feedback, MB max
416	0	0	0	Feedback/Reference Value Units
417	0.01	0.01	0.01	Speed Coupling-PID Speed Proportional Amplification
418	100 ms	100 ms	100 ms	Speed Coupling-PID Integration Time Coefficient
419	20.00 ms	20.00 ms	20.00ms	PID Differentiating Time Coefficient
420	5	5	5	Speed Coupling- Differentiating Amplification Limit
421	20 ms	20 ms	20 ms	Speed Coupling- PID Low-pass Filter
423	par. 103	par. 103	par. 103	U1 Voltage
424	par.104	par.104	par.104	F1 Frequency
425	par. 103	par. 103	par.103	U3 Voltage
426	par. 104	par. 104	par.104	F2 Frequency
427	par. 103	par. 103	par.103	U3 Voltage
428	par. 104	par. 104	par.104	F3 Frequency
437	0	0	0	Normal/Inverse PID Control
438	1	1	1	PID Process Control
439	par. 201	par. 201	par.201	PID Process Control-Start Frequency
440	0.01	0.01	0.01	PID Process Control-Proportional Amplification
441	OFF	OFF	OFF	PID Process Control- Integration Time Coefficient
442	0.00s	0.00s	0.00 s.	PID Process Control- Differentiating Time Coefficient
443	5.0	5.0	5.0	PID Process Control-Proportional Amplification- Differentiating Amplificat
444	0.02	0.02	0.02	PID Process Control- Low-pass Filter
445	0	0	0	Flying Start
451	100	100	100	Speed Coupling- Feedforward Factor
452	10	10	10	Range of controllers
456	0	0	0	Resistor level
500				Serial Communication
600				Technical Functions