YORK®	Form No.: 100.40-NO4 (LS02)	1005
	Supersedes: None	
LITERATURE SUPPLEMENT	File with: 100.40-NO4 (804)	
Subject: Use the following tables for programmed factory/default VFD setups. For 50-105 Ton Mod D units & 106-130 Ton Mod E units.		

Menu 0## : Operation and Display Settings

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
001	**Language**	ENGLISH	ENGLISH	ENGLISH	ENGLISH
002	**Active Setup**	FACTORY	SETUP 1	SETUP 2	SETUP 3
003	**Copying of Setups**	NO COPY	NO COPY	NO COPY	NO COPY
004	**LCP Copy**	NO COPY	NO COPY	NO COPY	NO COPY
005	**Max Value of User-defined Readout**	100.000	100.000	100.000	100.000
006	**Unit for User-defined Readout**	%	%	%	%
007	**Big Display Readout**	FREQUENCY, %	***FREQUENCY, Hz***	***FREQUENCY, Hz***	***FREQUENCY, Hz***
008	**Small Display Readout 1.1**	REFERENCE, %	REFERENCE, %	REFERENCE, %	SETPOINT 1
009	**Small Display Readout 1.2**	MTR CURRENT, A	MTR CURRENT, A	MTR CURRENT, A	***FEEDBACK 1***
010	**Small Display Readout 1.3**	POWER, HP	POWER, HP	POWER, HP	***MTR CURRENT, A***
011	**Unit of Local Reference**	% OF F MAX	% OF F MAX	% OF F MAX	% OF F MAX
012	**Hand Start on LCP**	ENABLE	ENABLE	ENABLE	ENABLE
013	**OFF/STOP on LCP**	ENABLE	ENABLE	ENABLE	ENABLE
014	**Auto Start on LCP**	ENABLE	ENABLE	ENABLE	ENABLE
015	**Reset on LCP**	ENABLE	ENABLE	ENABLE	ENABLE
016	**Lock for Data Change**	NOT LOCKED	NOT LOCKED	NOT LOCKED	NOT LOCKED
017	**Operating State at Power Up**	AUTO RESTART	AUTO RESTART	AUTO RESTART	AUTO RESTART

Note, items that are ***BOLDED*** and ***ITALICIZED,*** indicate parameters that differ from the default factory (Danfoss) setup.

Menu 1##: Load and Motor Settings

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
100	**Configuration**	OPEN LOOP	OPEN LOOP	OPEN LOOP	***CLOSED LOOP***
101	**Torque Characteristics**	AEO FUNCTION	AEO FUNCTION	AEO FUNCTION	***MULTIPLE MTRS***
102	**Motor Power**	SPECIFIC TO MOTOR			
103	**Motor Voltage**	SPECIFIC TO MOTOR			
104	**Motor Frequency**	60 Hz	60 Hz	60 Hz	60 Hz
105	**Motor Current**	SPECIFIC TO MOTOR			
106	**Rated Motor Speed**	SPECIFIC TO MOTOR			
107	**Automatic Motor Adaptation, AMA**	NO AMA	NO AMA	NO AMA	NO AMA
108	**Start Voltage of Parallel Motors**	0.0 V	0.0 V	0.0 V	0.0 V
109	**Resonance Dampening**	100%	100%	100%	100%
110	**High Breakaway Torque**	OFF	OFF	OFF	OFF
111	**Start Delay**	000.0 s	000.0 s	000.0 s	000.0 s
112	**Motor Preheater**	DISABLE	DISABLE	DISABLE	DISABLE
113	**Motor Preheater DC Current**	50%	50%	50%	50%
114	**DC Braking Current**	50%	50%	50%	50%
115	**DC Braking Time**	10.0 s	10.0 s	10.0 s	10.0 s
116	**DC Brake Cut-in Frequency**	OFF	OFF	OFF	OFF
117	**Motor Thermal Protection**	ETR TRIP 1	ETR TRIP 1	ETR TRIP 1	ETR TRIP 1

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Menu 2##: References and Limits

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
200	**Output Frequency Range**	120 Hz	120 Hz	120 Hz	120 Hz
201	**Output Frequency Low Limit**	0.0 Hz	***25.0 Hz***	***6.0 Hz***	***25.0 Hz***
202	**Output Frequency High Limit**	60 Hz	60.0 Hz	60.0 Hz	60.0 Hz
203	**Reference Handling**	LINKED TO HAND / AUTO	LINKED TO HAND / AUTO	LINKED TO HAND / AUTO	LINKED TO HAND / AUTO
204	**Minimum Reference**	0.0 Hz	***25.0 Hz***	***6.0 Hz***	***-0.1 in wg***
205	**Maximum Reference**	60.0 Hz	60.0 Hz	60.0 Hz	***-0.3 in wg***
206	**Ramp-up Time**	60 sec.	***30 sec***.	60 sec.	***15 sec.***
207	**Ramp-down Time**	60 sec.	60 sec.	60 sec	***30 sec.***
208	**Automatic Ramp-up/down**	ENABLE	ENABLE	ENABLE	ENABLE
209	**Jog Frequency**	10.0 Hz	10.0 Hz	10.0 Hz	10.0 Hz
210	**Reference Type**	EXTERNAL PRESET	EXTERNAL PRESET	EXTERNAL PRESET	EXTERNAL PRESET
211	**Preset Reference 1**	0.00%	0.00%	0.00%	0.00%
212	**Preset Reference 2**	0.00%	0.00%	0.00%	0.00%
213	**Preset Reference 3**	0.00%	0.00%	0.00%	0.00%
214	**Preset Reference 4**	0.00%	0.00%	0.00%	0.00%
215	**Current Limit**	1.1	1.1	1.1	1.1
216	**Frequency Bypass Bandwidth**	DISABLED	DISABLED	DISABLED	DISABLED
217	**Frequency Bypass 1**	120.0 Hz	120.0 Hz	120.0 Hz	120.0 Hz
218	**Frequency Bypass 2**	120.0 Hz	120.0 Hz	120.0 Hz	120.0 Hz

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Menu 2##: References and Limits (continued)

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
219	**Frequency Bypass 3**	120.0 Hz	120.0 Hz	120.0 Hz	120.0 Hz
220	**Frequency Bypass 4**	120.0 Hz	120.0 Hz	120.0 Hz	120.0 Hz
221	**Warning: Low Current**	0.0 A	0.0 A	0.0 A	0.0 A
222	**Warning: High Current, I**	I [A]	I [A]	I [A]	I [A]
223	**Warning: Low Frequency**	0.0 Hz	0.0 Hz	0.0 Hz	0.0 Hz
224	**Warning: High Frequency**	120.0 Hz	120.0 Hz	120.0 Hz	120.0 Hz
225	**Warning: Low Reference**	-999,999.999 Hz	-999,999.999 Hz	-999,999.999 Hz	-999,999.999 Hz
226	**Warning: High Reference**	999,999.999 Hz	999,999.999 Hz	999,999.999 Hz	999,999.999 Hz
227	**Warning: Low Feedback**	-999,999.999 Hz	-999,999.999 Hz	-999,999.999 Hz	-999,999.999 Hz
228	**Warning: High Feedback**	999,999.999 Hz	999,999.999 Hz	999,999.999 Hz	999,999.999 Hz

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Menu 3##: Inputs and Outputs

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
300	**Terminal 16, Digital Input**	RESET	RESET	RESET	RESET
301	**Terminal 17, Digital Input**	NO OPERATION	NO OPERATION	NO OPERATION	NO OPERATION
302	**Terminal 18, Digital Input**	START	START	START	START
303	**Terminal 19, Digital Input**	REVERSING	REVERSING	REVERSING	REVERSING
304	**Terminal 27, Digital Input**	SAFETY INTERLOCK	SAFETY INTERLOCK	SAFETY INTERLOCK	SAFETY INTERLOCK
305	**Terminal 29, Digital Input**	JOG	JOG	JOG	JOG
306	**Terminal 32, Digital Input**	NO OPERATION	NO OPERATION	NO OPERATION	NO OPERATION
307	**Terminal 33, Digital Input**	NO OPERATION	NO OPERATION	NO OPERATION	NO OPERATION
308	**Terminal 53, Analog Input Voltage**	NO OPERATION	***REFERENCE***	***REFERENCE***	NO OPERATION
309	**Terminal 53, Min. Scaling**	0.0 V	0.0 V	0.0 V	0.0 V
310	**Terminal 53, Max. Scaling**	10.0 V	10.0 V	10.0 V	10.0 V
311	**Terminal 54, Analog Input Voltage**	NO OPERATION	NO OPERATION	NO OPERATION	***FEEDBACK***
312	**Terminal 54, Min. Scaling**	0.0 V	0.0 V	0.0 V	0.0V
313	**Terminal 54, Max. Scaling**	10.0 V	10.0 V	10.0 V	***5.0V***
314	**Terminal 60, Analog Input Current**	REFERENCE	***NO OPERATION***	***NO OPERATION***	REFERENCE
315	**Terminal 60, Min. Scaling**	4.0 mA	4.0 mA	4.0 mA	4.0 mA
316	**Terminal 60, Max. Scaling**	20.0 mA	20.0 mA	20.0 mA	20.0 mA
317	**Live Zero Time**	10 sec.	10 sec.	10 sec.	10 sec.
318	**Function After Time Out**	NO FUNCTION	NO FUNCTION	NO FUNCTION	NO FUNCTION
319	**Terminal 42, Output**	MTR CURRENT	MTR CURRENT	MTR CURRENT	MTR CURRENT
320	**Terminal 42, Output, Pulse Scaling**	5000 Hz	5000 Hz	5000 Hz	5000 Hz
321	**Terminal 45, Output**	OUT. FREQ.	OUT. FREQ.	OUT. FREQ.	OUT. FREQ.
322	**Terminal 45, Output, Pulse Scaling**	5000 Hz	5000 Hz	5000 Hz	5000 Hz
323	**Relay 1, Output Function**	NO ALARM	***F OUT > F HIGH***	NO ALARM	NO ALARM
324	**Relay 1, ON Delay**	0 sec.	***60 sec.***	0 sec.	0 sec.
325	**Relay 1, OFF Delay**	2 sec.	***60 sec.***	2 sec.	2 sec.
326	**Relay 2, Output Function**	RUNNING	RUNNING	RUNNING	RUNNING
327	**Pulse Reference, Max. Frequency**	5000 Hz	5000 Hz	5000 Hz	5000 Hz
328	**Pulse Feedback, Max. Frequency**	25000 Hz	25000 Hz	25000 Hz	25000 Hz

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Menu 4##: Application Functions

#	*Parameter Description*	*Factory*	*Setup 1*	*Setup 2*	*Setup 3 (N/A)*
400	**Reset Function**	INFINITE AUTO	INFINITE AUTO	INFINITE AUTO	INFINITE AUTO
401	**Automatic Restart Time**	10 sec.	10 sec.	10 sec.	10 sec.
402	**Flying Start**	ENABLE	ENABLE	ENABLE	ENABLE
403	**Sleep Mode Timer**	OFF	OFF	OFF	OFF
404	**Sleep Frequency**	0 Hz	0 Hz	0 Hz	0 Hz
405	**Wake up Frequency**	60 Hz	60 Hz	60 Hz	60 Hz
406	**Boost Setpoint**	100%	100%	100%	100%
407	**Switching Frequency**	DEPENDS ON VFD – NO YORK ADJUSTMENT NECESSARY			
408	**Interference Reduction Method**	ASFM	ASFM	ASFM	ASFM
409	**Function in Case of No Load**	WARNING	WARNING	WARNING	WARNING
410	**Function in Case of Phase Loss**	TRIP	TRIP	TRIP	TRIP
411	**Function at Over Temp**	TRIP	TRIP	TRIP	TRIP
412	**Trip Delay Overcurrent**	60 sec.	60 sec.	60 sec.	60 sec.
413	**Minimum Feedback**	0.000	0.000	0.000	***-1.000***
414	**Maximum Feedback**	100.000	100.000	100.000	***1.000***
415	**Units Relating to Closed Loop**	%	%	%	***In wg (34)***
416	**Feedback Conversion**	LINEAR	LINEAR	LINEAR	LINEAR
417	**Feedback Calculation**	MAXIMUM	MAXIMUM	MAXIMUM	MAXIMUM
418	**Setpoint 1**	0.000	0.000	0.000	0.000
419	**Setpoint 2**	0.000	0.000	0.000	0.000
420	**PID Normal/Inverse Control**	NORMAL	NORMAL	NORMAL	NORMAL
421	**PID Anti Windup**	ENABLE	ENABLE	ENABLE	ENABLE
422	**PID Start-up Frequency**	0 Hz	0 Hz	0 Hz	***10.0 Hz***
423	**PID Proportional Gain**	0.30	0.30	0.30	***0.20***
424	**PID Integral Time**	OFF	OFF	OFF	***10.0 sec.***
425	**PID Differentiation Time**	OFF	OFF	OFF	***OFF***
426	**PID Differentiation Gain Limit**	5.0	5.0	5.0	5.0
427	**PID Lowpass Filter Time**	0.01	0.01	0.01	***0.03***

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