Motor Profiles Page 1/2 — **LS Control A/S**

Value	Unit	Profile 0	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile 8	Profile 9
From database Ver.	Version	1	1	1	1	2 / 6	2 / 6	2 / 6	2	2	2
Profile Date	WEEKYEAR	1018	1018	1018	1018	1018 / 0720	1018 / 0720	1018 / 0720	1118	1218	1218
From Software version *1	Version	3,25	3,25	3,25	3,26	3,27 / 3,43	3,27 / 3,43	3,27 / 3,43	3,28	3,30	3,30
Tested on	1002/1145/both	1145	1145	1145	both	1145	1145	1145	1145	1145	1145
DIP - switch	O = OFF, I = ON	OOOO OOOO	OOOO OOOI	OOOO OOIO	OOOO OOII	OOOO OIOO	OOOO OIOI	OOOO OIIO	OOOO OIII	OOOO IOOO	OOOO IOOI
Pol Pairs	[pol pairs]	3	2	2	2	2	2	2	2	2	2
Max. Start Current	[Arms]	4	3	4	7	4	4	5	5	4	5
Max. Run Current	[Arms]	8	5	8	14	8	8	10	11	8	10
Stator resistance	[Ohm] pr. winding	0,934	1,36	1,02	0,25	0,703	0,37	0,84	0,37	0,305	0,665
Inductance (Lq) (Lq <= 2xLd)	[mH]	12,2 @6A	9,93 @5A	20,6 @5A	5,00 @9A	9,30 @5A	14,82 @5A	13,83 @7A	4,04 @16A	6,57 @5A	10,01 @8A
Flux	[Wb]	0,128	0,106	0,749	0,17	0,118	0,0919	0,1356	1,824	0,102	0,1314
Min. Speed	[rpm]	1000	2400	900	900	1000	1000	1600	720	1200	1600
Max. Speed	[rpm]	7200	7200	6000	7200	7200	6600	7200	7200	7200	7200
Accelleration Speed	[rpm/s]	300	300	300	300	300	300	300	50	300	300
Decellerate Speed	[rpm/s]	300	300	300	300	300	300	300	50	300	300

Value	Unit	Profile 10	Profile 11	Profile 12 *2	Profile 13	Profile 14	Profile 15 *2	Profile 16	Profile 17	Profile 18 *2	Profile 19
From database Ver.	Version	2	2	2	3	3	4	4	4	5	6
Profile Date	WEEKYEAR	0219	0219	0219	1219	1219	0220	0220	0220	0520	0920
From Software version *1	Version	3,31	3,33	3,33	3,38	3,38	3,40	3,40	3,40	3,42	3,44
Tested on	1002/1145/both	1145	both	1145	1145	both	1145	1145	1145	1145	1002
DIP - switch	O = OFF, I = ON	OOOO IOIO	OOOO IOII	OOOO IIOO	OOOO IIOI	OOOO IIIO	OOOO IIII	OOOI OOOO	OOOI OOOI	OOOI OOIO	OOOI OOII
Pol Pairs	[pol pairs]	2	2	2	3	2	3	3	3	3	2
Max. Start Current	[Arms]	4	7	4	3	6	4	4	1	2	4
Max. Run Current	[Arms]	8	14	11	6	14	9	10	6	6,5	14,7
Stator resistance	[Ohm] pr. winding	0,85	0,251	0,72	0,766	0,428	0,576	0,465	0,735	No data	0,395
Inductance (Lq) (Lq <= 2xLd)	[mH]	10,40 @3,8A	5,00 @9A	No data	11,99 @5A	10,01 @8A	No data	7,74 @5A	9,7@no load	No data	8,62
Flux	[Wb]	0,6	0,1702	No data	0,1286	0,131	No data	0,111	0,131	No data	0,21
Min. Speed	[rpm]	1080	900	900	1000	900	900	600	600	2100	1000
Max. Speed	[rpm]	7200	7200	7200	7200	7200	7200	7200	6000	7200	7200
Accelleration Speed	[rpm/s]	300	300	300	100	100	100	100	100	100	100
Decellerate Speed	[rpm/s]	300	300	300	100	100	100	100	100	100	100

***1 : Software description.**

In Modbus	On label	Spreedsheet	Example
3.31	3.31	3.31	if you read Version 3.317 in modbus or on the label, you can translate this number to the software version 3.31 in this spreedsheet.
3.31x	3.31x	3.31	
3.31xx	3.31xx	3.31	
3.31xxx	3.31xxx	3.31	

Changes on exsisting profiles:

- From version 3.42x - Profile 4, 5 and 6 retuned for better performance

***2 :** Some values not available in datatsheet.
LS Control tunet values.

Tested on 1145 or 1002

X : Means that LS Control or a customer has tested the motor on the SpeedControl 1145 or 1002 or both.
Blank : Means that the motor has not been tested, but if the motor is designed for the given inverter type (1 phase / 3 phase or both), it will work, but it could need fine tuning.

Motor Profiles Page 2/2 **LS Control A/S**

Value	Unit	Profile 20	Profile 21 *2	Profile 22	Profile 23 *2	Profile 24	Profile 25 *2	Profile 26	Profile 27	Profile 28	
From database Ver.	Version	6	6	7	7	8	8	9	9	9	
Profile Date	WEEKYEAR	0920	0920	5220	5220	2321	2321	3721	3721	3921	
From Software version *1	Version	3,44	3,44	3,45	3,45	3,47	3,47	3,48	3,48	3,48	
Tested on	1002/1145/both	1145	1145	both	1002	1145	Special 1145	1002	1002	1145	
DIP - switch	O = OFF, I = ON	OOOI OIOO	OOOI OIOI	OOOI OIIO	OOOI OIII	OOOI IOOO	OOOI IOOI	OOOI IOIO	OOOI IOII	OOOI IIOO	
Pol Pairs	[pol pairs]	2	2	2	2	2	2	2	2	3	
Max. Start Current	[Arms]	4	4	7	5	4	0,7	5	5	4	
Max. Run Current	[Arms]	10	10	16	16	9	1,5	16	16	10	
Stator resistance	[Ohm] pr. winding	0,65	0,81	0,251	0,36	0,285	No data	0,436	0,289	0,677	
Inductance (Lq) (Lq <= 2xLd)	[mH]	18,3	26,4 @6A	5,00 @9A	No data	8,14 @ 5A	No data	12,2 @10A	8,1 @15A	10,7 @5A	
Flux	[Wb]	0,422	No data	0,17	0,537	0,1425	No data	No data	No data	0,1351	
Min. Speed	[rpm]	600	1200	900	900	1000	1200	720	900	900	
Max. Speed	[rpm]	7200	7200	7200	7200	7200	4500	6660	6660	7200	
Accelleration Speed	[rpm/s]	100	100	100	100	100	100	100	100	100	
Decellerate Speed	[rpm/s]	100	100	100	100	100	100	100	100	100	

Value	Unit										
From database Ver.	Version										
Profile Date	WEEKYEAR										
From Software version *1	Version										
Tested on	1002/1145/both										
DIP - switch	O = OFF, I = ON										
Pol Pairs	[pol pairs]										
Max. Start Current	[Arms]										
Max. Run Current	[Arms]										
Stator resistance	[Ohm] pr. winding										
Inductance (Lq) (Lq <= 2xLd)	[mH]										
Flux	[Wb]										
Min. Speed	[rpm]										
Max. Speed	[rpm]										
Accelleration Speed	[rpm/s]										
Decellerate Speed	[rpm/s]										

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	3.31x	3.31x	3.31	
	3.31xx	3.31xx	3.31	
	3.31xxx	3.31xxx	3.31	

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