

Lexium 32 servo drive/BMH servo motor combinations							
Nominal operating point (1)			Stall torques	Servo drives		Servo motor	
Nominal torque	Nominal speed	Nominal power	M_0 / M_{max} (2)	Reference	Continuous output current (rms)	Reference	Rotor inertia
Nm	rpm	W	Nm/Nm		A		kgcm ²
100...120 V single-phase supply voltage with integrated EMC filter							
1.35	2500	350	1.4/4.2	LXM32●D18M2	6	BMH0701T	0.59
2.3	2500	600	2.5/6.4	LXM32●D30M2	10	BMH0702T	1.13
3.1	2000	650	3.4/8.7	LXM32●D30M2	10	BMH0703T	1.67
3.3	2000	700	3.4/8.9	LXM32●D30M2	10	BMH1001T	3.2
3.5	2000	750	6/10.3	LXM32●D30M2	10	BMH1002T	6.3
200...240 V single-phase supply voltage with integrated EMC filter							
1.1	4000	450	1.4/4	LXM32●U90M2	3	BMH0701T	0.59
2.1	4000	900	2.5/7.4	LXM32●D18M2	6	BMH0702T	1.13
2.9	3000	900	3.4/10.2	LXM32●D18M2	6	BMH0703T	1.67
2.8	3000	900	3.4/10.2	LXM32●D18M2	6	BMH1001T	3.2
4.6	3000	1450	6/18.4	LXM32●D30M2	10	BMH1002T	6.3
5.6	2500	1450	8/23.5	LXM32●D30M2	10	BMH1003T	9.4
8.9	1500	1450	10.3/30.8	LXM32●D30M2	10	BMH1401P	16.5
208...480 V three-phase supply voltage with integrated EMC filter							
1.1	3000	350	1.2/4.2	LXM32●U60N4	1.5	BMH0701P	0.59
1.3	5000	700	1.4/4.2	LXM32●D12N4	3	BMH0701P	0.59
1.9	4000	800	3.3/10.8	LXM32●D12N4	3	BMH1001P	3.2
2.2	3000	700	2.5/7.4	LXM32●D12N4	3	BMH0702P	1.13
2.4	5000	1300	3.4/10.2	LXM32●D18N4	6	BMH0703P	1.67
3.1	4000	1300	3.4/10.2	LXM32●D18N4	6	BMH1001P	3.2
3.9	4000	1600	5.9/18.4	LXM32●D18N4	6	BMH1002P	6.3
6.2	4000	2600	8.4/25.1	LXM32●D30N4	10	BMH1003P	9.4
7.6	3000	2400	10.3/30.8	LXM32●D30N4	10	BMH1401P	16.5
12.1	3000	3800	16.8/50.3	LXM32●D72N4	24	BMH1402P	32.0
14.2	3000	4500	24/71.8	LXM32●D72N4	24	BMH1403P	47.5
18.4	2500	4800	30/77.7	LXM32●D72N4	24	BMH1901P	67.7
22.3	2500	5900	37.4/101	LXM32●D72N4	24	BMH1902P	130
36	1500	5700	43.2/123	LXM32●D72N4	24	BMH1903P	194
~ 480 V three-phase supply voltage with integrated EMC filter							
16.5	3000	5180	30/86.6	LXM32MD85N4	32	BMH1901P	67.7
29	2000	6070	48/115.5	LXM32MD85N4	32	BMH1902P	130
35	2000	7330	57.6/141.3	LXM32MD85N4	32	BMH1903P	194
16.5	3000	5180	30/89.7	LXM32MC10N4	40	BMH1901P	67.7
29	2000	6070	48/130.7	LXM32MC10N4	40	BMH1902P	130
37	2000	7750	65/162.7	LXM32MC10N4	40	BMH1903P	194
46.8	2000	9600	100/230	LXM32MC10N4	40	BMH1904P	276.7

(1) These values are given according to the supply voltage.

(2) M_0 : Continuous stall torque, M_{max} : Peak stall torque.

Lexium 32 servo drive/BSH servo motor combinations							
Nominal operating point (1)			Stall torques	Servo drives		Servo motor	
Nominal torque	Nominal speed	Nominal power	M_0 / M_{max} (2)	Reference	Continuous output current (rms)	Reference	Rotor inertia
Nm	rpm	W	Nm/Nm		A		kgcm ²
100...120 V single-phase supply voltage with integrated EMC filter							
0.49	3000	150	0.5/1.5	LXM32●U90M2	3	BSH0551T	0.06
0.77	3000	250	0.8/1.9	LXM32●U90M2	3	BSH0552T	0.10
1.14	3000	350	1.2/3.3	LXM32●D18M2	6	BSH0553T	0.13
1.36	2500	350	1.4/3.5	LXM32●D18M2	6	BSH0701T	0.25
2.07	2500	550	2.2/6.1	LXM32●D30M2	10	BSH0702T	0.41
2.75	2500	700	3.3/6.3	LXM32●D30M2	10	BSH1001T	1.40
200...240 V single-phase supply voltage with integrated EMC filter							
0.184	4000	77	0.21/0.8	LXM32●U45M2	1.5	BSH0401P	0.02
0.184	4000	166	0.38/1.37	LXM32●U45M2	1.5	BSH0402P	0.04
0.45	6000	300	0.5/1.4	LXM32●U45M2	1.5	BSH0551T	0.06
0.74	6000	450	0.8/2.5	LXM32●U90M2	3	BSH0552T	0.10
0.84	6000	550	1.2/3	LXM32●U90M2	3	BSH0553T	0.13
0.94	5000	500	1.3/3.5	LXM32●D18M2	6	BSH0701T	0.25
1.8	5000	950	2.2/7.2	LXM32●D18M2	6	BSH0702T	0.41
2.1	4000	900	2.6/7.4	LXM32●D30M2	10	BSH0703T	0.58
2.2	4000	900	2.7/7.5	LXM32●D30M2	10	BSH1001T	1.40
3.7	4000	1500	5.8/16.4	LXM32●D30M2	1.5	BSH1002T	2.31
208...480 V three-phase supply voltage with integrated EMC filter							
0.292	9000	152	0.21/0.8	LXM32●U60N4	1.5	BSH0401P	0.02
0.292	9000	275	0.38/1.37	LXM32●U60N4	1.5	BSH0402P	0.04
0.48	6000	300	0.5/1.5	LXM32●U60N4	1.5	BSH0551P	0.06
0.65	6000	400	0.8/2.5	LXM32●U60N4	1.5	BSH0552P	0.10
0.65	6000	400	1.05/3.5	LXM32●U60N4	1.5	BSH0553P	0.13
1.32	5000	700	1.4/3.5	LXM32●D12N4	3	BSH0701P	0.25
1.64	5000	850	2.2/7.6	LXM32●D12N4	3	BSH0702P	0.41
2.44	5000	1300	3.1/11.3	LXM32●D18N4	6	BSH0703P	0.58
2.7	4000	1100	3.3/9.6	LXM32●D18N4	6	BSH1001P	1.40
4	4000	1700	5.8/18.3	LXM32●D18N4	6	BSH1002P	2.31
6.3	3000	2000	8/28.3	LXM32●D30N4	10	BSH1003P	3.2
8.3	2500	2100	10/37.9	LXM32●D30N4	10	BSH1004P	4.2
9.5	2500	2500	11.1/27	LXM32●D30N4	10	BSH1401P	7.4
12.3	3000	3900	19.5/59.3	LXM32●D72N4	24	BSH1402T	12.7
12.9	3000	4100	27.8/90.2	LXM32●D72N4	24	BSH1403T	17.9
19	2500	5000	33.4/103.6	LXM32●D72N4	24	BSH1404P	23.7

(1) These values are given according to the supply voltage.

(2) M_0 : Continuous stall torque, M_{max} : Peak stall torque.



LXM32C●●●●●



LXM32A●●●●●



LXM32S●●●●●

Lexium 32C, 32A, 32M and 32S servo drives						
Output current at 8 kHz		Nominal power at 8 kHz	Line current (2)	Max. prospective line Isc	Reference	Weight
Continuous (rms)	Peak (rms) (1)					
A	A	kW	A	kA		kg/lb
Single-phase supply voltage: 115 V ~ 50/60 Hz, with integrated EMC filter (3)						
1.5	3	0.15	2.9	1	LXM32CU45M2	1.600/3.527
					LXM32AU45M2	
					LXM32MU45M2	1.700/3.748
					LXM32SU45M2	
3	6	0.3	5.4	1	LXM32CU90M2	1.700/3.748
					LXM32AU90M2	
					LXM32MU90M2	1.800/3.968
					LXM32SU90M2	
6	10	0.5	8.5	1	LXM32CD18M2	1.800/3.968
					LXM32AD18M2	
					LXM32MD18M2	1.900/4.189
					LXM32SD18M2	
10	15	0.8	12.9	1	LXM32CD30M2	2.000/4.409
					LXM32AD30M2	
					LXM32MD30M2	2.100/4.630
					LXM32SD30M2	
Single-phase supply voltage: 230 V ~ 50/60 Hz, with integrated EMC filter (3)						
1.5	4.5	0.3	2.9	1	LXM32CU45M2	1.600/3.527
					LXM32AU45M2	
					LXM32MU45M2	1.700/3.748
					LXM32SU45M2	
3	9	0.5	4.5	1	LXM32CU90M2	1.700/3.748
					LXM32AU90M2	
					LXM32MU90M2	1.800/3.968
					LXM32SU90M2	
6	18	1	8.4	1	LXM32CD18M2	1.800/3.968
					LXM32AD18M2	
					LXM32MD18M2	1.900/4.189
					LXM32SD18M2	
10	30	1.6	12.7	1	LXM32CD30M2	2.000/4.409
					LXM32AD30M2	
					LXM32MD30M2	2.100/4.630
					LXM32SD30M2	

(1) Maximum value for 5 seconds

(2) Without line choke (see page 27)

(3) Additional EMC filters available as an option (see page 28)



LXM32M●●●●●●

Lexium 32C, 32A, 32M and 32S servo drives (continued)						
Output current at 8 kHz		Nominal power at 8 kHz	Line current (2)	Max. prospective line Isc	Reference	Weight
Continuous (rms)	Peak (rms)(1)					
A	A	kW	A	kA		kg/lb
Three-phase supply voltage: 208 V ~ 50/60 Hz, with integrated EMC filter (3)						
1.8	6	0.35	1.8	5	LXM32CU60N4	1.700/3.748
					LXM32AU60N4	3.748
					LXM32MU60N4	1.800/3.968
					LXM32SU60N4	3.968
3.6	12	0.7	3.6	5	LXM32CD12N4	1.800/3.968
					LXM32AD12N4	3.968
					LXM32MD12N4	1.900/4.189
					LXM32SD12N4	4.189
6.2	18	1.2	6.2	5	LXM32CD18N4	2.000/4.409
					LXM32AD18N4	4.409
					LXM32MD18N4	2.100/4.630
					LXM32SD18N4	4.630
9.8	30	2	9.8	5	LXM32CD30N4	2.600/5.732
					LXM32AD30N4	5.732
					LXM32MD30N4	2.700/5.952
					LXM32SD30N4	5.952
21.9	72	5	21.9	5	LXM32CD72N4	4.800/10.582
					LXM32AD72N4	10.582
					LXM32MD72N4	
					LXM32SD72N4	
Three-phase supply voltage: 480 V ~ 50/60 Hz, with integrated EMC filter (3)						
1.5	6	0.4	1.2	5	LXM32CU60N4	1.700/3.748
					LXM32AU60N4	3.748
					LXM32MU60N4	1.800/3.968
					LXM32SU60N4	3.968
3	12	0.9	2.4	5	LXM32CD12N4	1.800/3.968
					LXM32AD12N4	3.968
					LXM32MD12N4	1.900/4.189
					LXM32SD12N4	4.189
6	18	1.8	4.5	5	LXM32CD18N4	2.000/4.409
					LXM32AD18N4	4.409
					LXM32MD18N4	2.100/4.630
					LXM32SD18N4	4.630
10	30	3	7	5	LXM32CD30N4	2.600/5.732
					LXM32AD30N4	5.732
					LXM32MD30N4	2.700/5.952
					LXM32SD30N4	5.952
24	72	7	14.6	5	LXM32CD72N4	4.800/10.582
					LXM32AD72N4	10.582
					LXM32MD72N4	
					LXM32SD72N4	
32	85	9	19.9	5	LXM32MD85N4	9.600/21.164
40	100	11	23.3	5	LXM32MC10N4	21.164

(1) Maximum value for 5 seconds

(2) Without line choke (see page 27)

(3) Additional EMC filters available as an option (see page 28)

LXM32MD85N4
LXM32MC10N4