

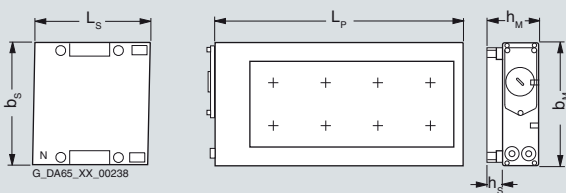
SIMOTICS linear and torque motors

Dimensional drawings

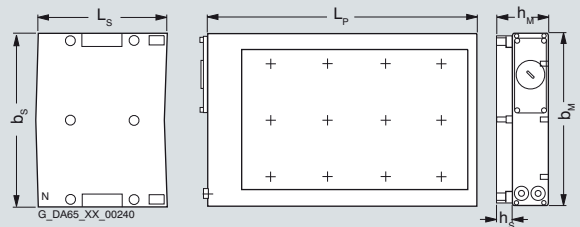
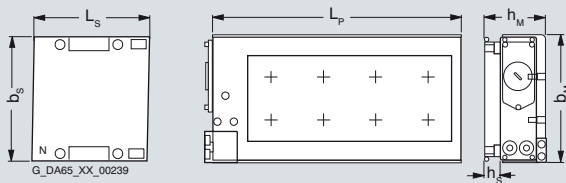
SIMOTICS L-1FN3 linear motors Version for peak load – Water cooling

Dimensional drawings

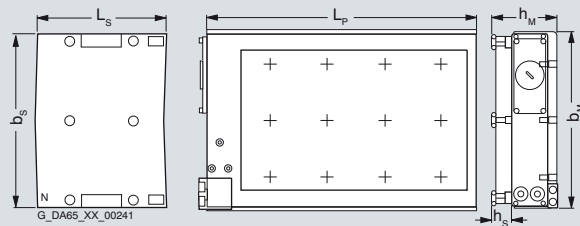
Primary section	Dimensions in mm (inches)					Secondary section	Dimensions in mm (inches)				
	Without precision cooling		With precision cooling		Primary section length		Without precision cooling		With precision cooling and cover		Secondary section length
Type	b _M	h _M	b _M	h _M		L _P	Type	b _S	h _S	b _S	
SIMOTICS L-1FN3 linear motors, version for peak load – Water cooling											
1FN3050-2W	67 (2.64)	48.5 (1.91)	76 (2.99)	63.4 (2.50)	255 (10.04)	1FN3050-4SA00-0AA0	58 (2.28)	11.8 (0.46)	75 (2.95)	14.8 (0.58)	120 (4.72)
1FN3100-1W	96 (3.78)	48.5 (1.91)	–	–	150 (5.91)	1FN3100-4SA00-0AA0	88 (3.46)	11.8 (0.46)	105 (4.13)	14.8 (0.58)	120 (4.72)
1FN3100-2W			105 (4.13)	63.4 (2.50)	255 (10.04)						
1FN3100-3W					360 (14.17)						
1FN3100-4W					465 (18.31)						
1FN3100-5W					570 (22.44)						
1FN3150-1W	126 (4.96)	50.5 (1.99)	–	–	150 (5.91)	1FN3150-4SA00-0AA0	118 (4.65)	13.8 (0.54)	135 (5.31)	16.8 (0.66)	120 (4.72)
1FN3150-2W			135 (5.31)	65.4 (2.57)	255 (10.04)						
1FN3150-3W					360 (14.17)						
1FN3150-4W					465 (18.31)						
1FN3150-5W					570 (22.44)						
1FN3300-1W	141 (5.55)	64.1 (2.52)	–	–	221 (8.70)	1FN3300-4SA00-0AA0	134 (5.28)	16.5 (0.65)	151 (5.94)	19.5 (0.77)	184 (7.24)
1FN3300-2W			150 (5.91)	79 (3.11)	382 (15.04)						
1FN3300-3W					543 (21.38)						
1FN3300-4W					704 (27.72)						
1FN3450-2W	188 (7.40)	66.1 (2.60)	197 (7.76)	81 (3.19)	382 (15.04)	1FN3450-4SA00-0AA0	180 (7.09)	18.5 (0.73)	197 (7.76)	21.5 (0.85)	184 (7.24)
1FN3450-3W					543 (21.38)						
1FN3450-4W					704 (27.72)						
1FN3600-2W	248 (9.76)	64.1 (2.52)	257 (10.12)	86 (3.39)	382 (15.04)	1FN3600-4SA00-0AA0	240 (9.45)	16.5 (0.65)	247 (9.72)	26.5 (1.04)	184 (7.24)
1FN3600-3W					543 (21.38)						
1FN3600-4W					704 (27.72)						
1FN3900-2W	342 (13.46)	66.1 (2.60)	351 (13.82)	88 (3.46)	382 (15.04)	1FN3900-4SA00-0AA0	334 (13.15)	18.5 (0.73)	341 (13.43)	28.5 (1.12)	184 (7.24)
1FN3900-3W					543 (21.38)						
1FN3900-4W					704 (27.72)						



1FN3050 to 1FN3450 without precision cooling

1FN3600 to 1FN3900 without precision cooling
Note: 4-row drill pattern with 1FN3900 for fixing the primary section

1FN3050 to 1FN3450 with precision cooling

1FN3600 to 1FN3900 with precision cooling
Note: 4-row drill pattern with 1FN3900 for fixing the primary section

SIMOTICS linear and torque motors

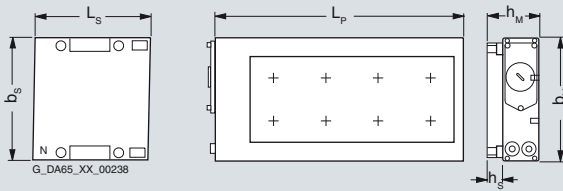
Dimensional drawings

SIMOTICS L-1FN3 linear motors Version for continuous load – Water cooling

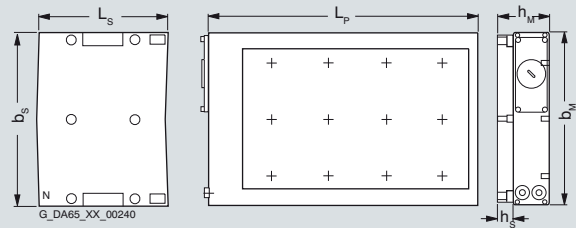
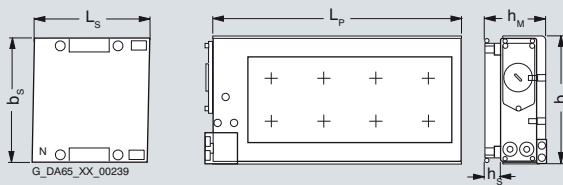
Dimensional drawings

Primary section	Dimensions in mm (inches)					Primary section length	Secondary section	Dimensions in mm (inches)					Secondary section length
	Without precision cooling		With precision cooling		b _S			h _S	Without precision cooling		With precision cooling		
Type	b _M	h _M	b _M	h _M		L _P	Type		b _S	h _S	b _M	h _M	L _S
SIMOTICS L-1FN3 linear motors, version for continuous load – Water cooling													
1FN3050-1ND 1FN3050-2NB	67 (2.64)	59.4 (2.34)	76 (2.99)	74.3 (2.93)	162 (6.38) 267 (10.51)	1FN3050-4SA00-0AA0	58 (2.28)	11.8 (0.46)	75 (2.95)	14.8 (0.58)	120 (4.72)		
1FN3100-1NC 1FN3100-2NC 1FN3100-3NC 1FN3100-4NC	96 (3.78)	59.4 (2.34)	105 (4.13)	74.3 (2.93)	162 (6.38) 267 (10.51) 372 (14.65) 477 (18.78)	1FN3100-4SA00-0AA0	88 (3.46)	11.8 (0.46)	105 (4.13)	14.8 (0.58)	120 (4.72)		
1FN3150-1NC 1FN3150-2NB 1FN3150-3NC 1FN3150-4NB	126 (4.96)	61.4 (2.42)	135 (5.31)	76.3 (3.00)	162 (6.38) 267 (10.51) 372 (14.65) 477 (18.78)	1FN3150-4SA00-0AA0	118 (4.65)	13.8 (0.54)	135 (5.31)	16.8 (0.66)	120 (4.72)		
1FN3300-1NC 1FN3300-2NC 1FN3300-3NC 1FN3300-4NB	141 (5.55)	78 (3.07)	150 (5.91)	92.9 (3.66)	238 (9.37) 399 (15.71) 560 (22.05) 721 (28.39)	1FN3300-4SA00-0AA0	134 (5.28)	16.5 (0.65)	151 (5.94)	19.5 (0.77)	184 (7.24)		
1FN3450-2NC 1FN3450-3NC 1FN3450-4NB	188 (7.40)	80 (3.15)	197 (7.76)	94.9 (3.74)	399 (15.71) 560 (22.05) 721 (28.39)	1FN3450-4SA00-0AA0	180 (7.09)	18.5 (0.73)	197 (7.76)	21.5 (0.85)	184 (7.24)		
1FN3600-2NB 1FN3600-3NB 1FN3600-4NB	248 (9.76)	78 (3.07)	257 (10.12)	99.9 (3.93)	399 (15.71) 560 (22.05) 721 (28.39)	1FN3600-4SA00-0AA0	240 (9.45)	16.5 (0.65)	247 (9.72)	26.5 (1.04)	184 (7.24)		
1FN3900-2NB 1FN3900-3NB 1FN3900-4NB	342 (13.46)	80 (3.15)	351 (13.82)	101.9 (4.01)	399 (15.71) 560 (22.05) 721 (28.39)	1FN3900-4SA00-0AA0	334 (13.15)	18.5 (0.73)	341 (13.43)	28.5 (1.12)	184 (7.24)		

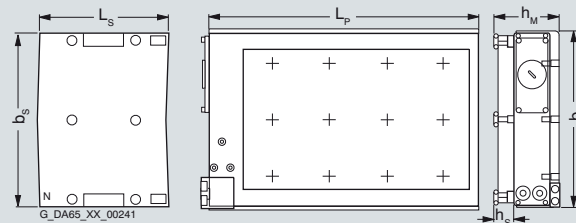
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1FN3050 to 1FN3450 without precision cooling

1FN3600 to 1FN3900 without precision cooling
Note: 4-row drill pattern with 1FN3900 for fixing the primary section

1FN3050 to 1FN3450 with precision cooling

1FN3600 to 1FN3900 with precision cooling
Note: 4-row drill pattern with 1FN3900 for fixing the primary section