

SIMOTICS motors

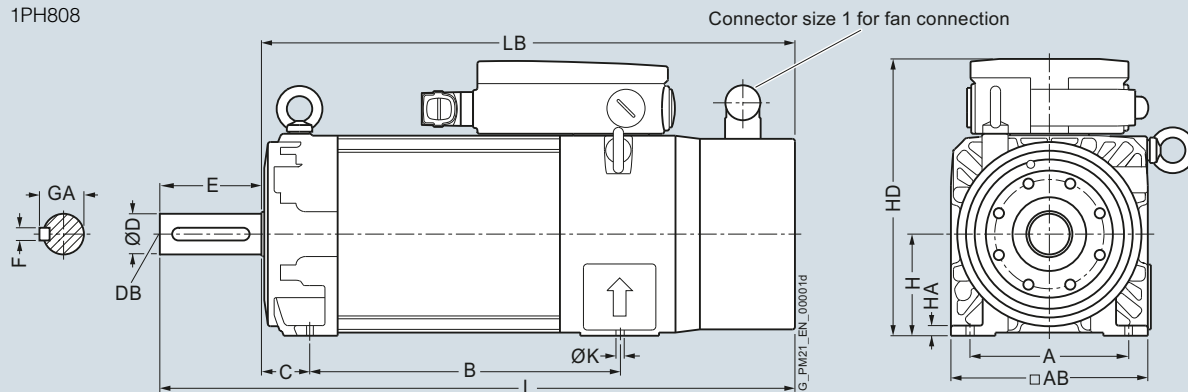
Dimensional drawings

SIMOTICS M-1PH8 asynchronous motors – SH 80 – Forced ventilation**Dimensional drawings**

For motor Dimensions in mm (inches)

Shaft height	Type	IEC	A	AB	B	C	H	HA	HD	L	LB	K	Shaft extension DE				
													D	DB	E	F	GA
1PH8, type of construction IM B3, forced ventilation																	
80	1PH8083		125 (4.92)	155 (6.10)	194 (7.64)	38 (1.50)	80 (3.15)	8 (0.31)	216 (8.50)	455 (17.91)	375 (14.76)	10 (0.39)	32 (1.26)	M12	80 (3.15)	10 (0.39)	35 (1.38)
	1PH8087				244 (9.61)					505 (19.88)	425 (16.73)						

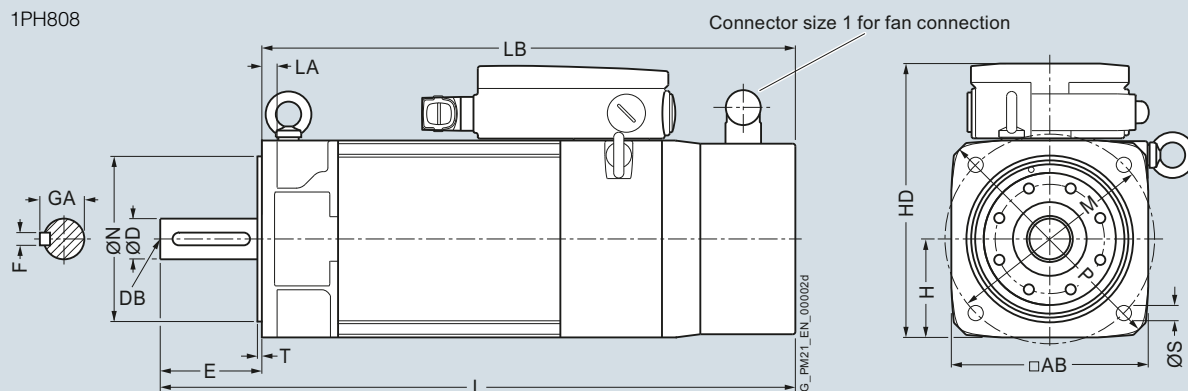
1PH808



For motor Dimensions in mm (inches)

Shaft height	Type	IEC	AB	H	HD	L	LA	LB	M	N	P	S	T	Shaft extension DE				
														D	DB	E	F	GA
1PH8, type of construction IM B5, forced ventilation																		
80	1PH8083		155 (6.10)	77.5 (3.05)	213.5 (8.41)	455 (17.91)	12 (0.47)	375 (14.76)	165 (6.50)	130 (5.12)	200 (7.87)	12 (0.47)	3.5 (0.14)	32 (1.26)	M12	80 (3.15)	10 (0.39)	35 (1.38)
	1PH8087					505 (19.88)			425 (16.73)									

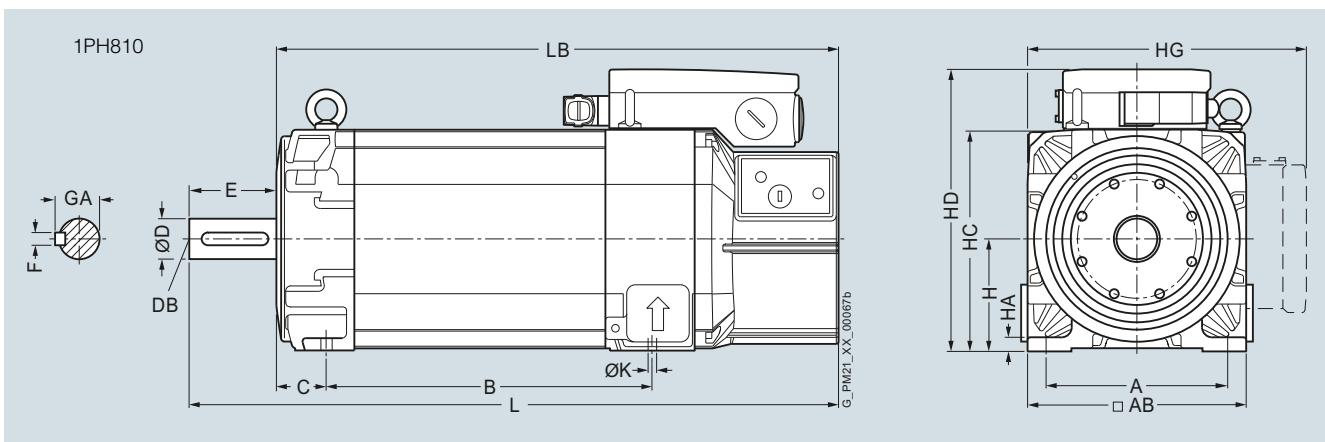
1PH808



SIMOTICS M-1PH8 asynchronous motors – SH 100 – Forced ventilation
Dimensional drawings

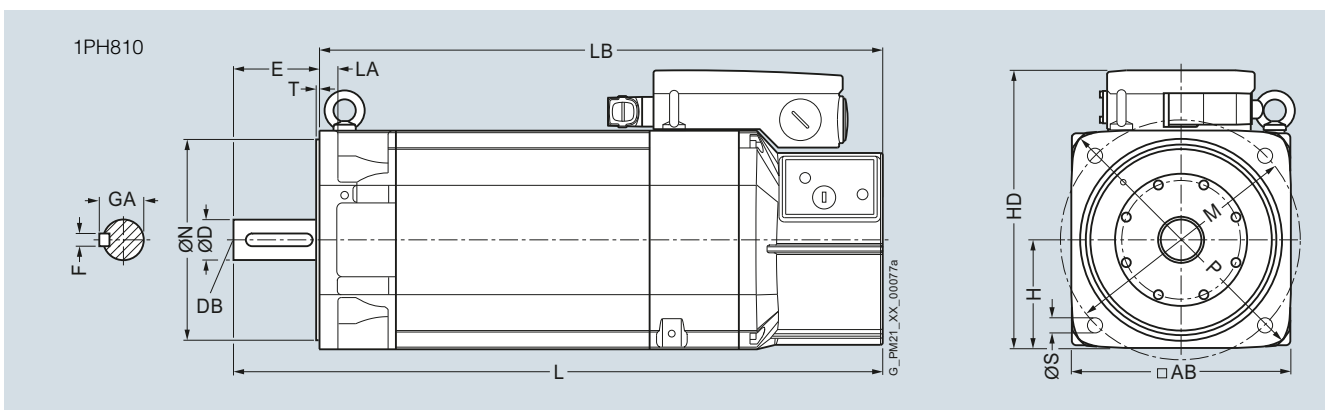
For motor Dimensions in mm (inches)

Shaft height	Type	IEC A	AB	C	B	H	HA	HC	HD	HG	K	L	LB	Shaft extension DE				
														D	DB	E	F	GA
1PH8, type of construction IM B3, forced ventilation																		
100	1PH8101	160 (6.30)	196 (7.72)	43 (1.69)	167 (6.57)	100 (3.94)	11 (0.43)	198 (7.80)	252 (9.92)	276.5 (10.89)	12 (0.47)	449.5 (17.70)	369.5 (14.55)	38 (1.50)	M12	80 (3.15)	10 (0.39)	41 (1.61)
	1PH8103				202.5 (7.97)							485 (19.09)	405 (15.94)					
	1PH8105				262 (10.31)							544.5 (21.44)	464.5 (18.29)					
	1PH8107				297.5 (11.71)							580 (22.83)	500 (19.69)					



For motor Dimensions in mm (inches)

Shaft height	Type	IEC	AB	H	HD	L	LA	LB	M	N	P	S	T	Shaft extension DE				
														D	DB	E	F	GA
1PH8, type of construction IM B5, forced ventilation																		
100	1PH8101		196 (7.72)	98 (3.86)	250 (9.84)	449.5 (17.70)	16 (0.63)	369.5 (14.55)	215 (8.46)	180 (7.09)	250 (9.84)	14 (0.55)	4 (0.16)	38 (1.50)	M12	80 (3.15)	10 (0.39)	41 (1.61)
	1PH8103					485 (19.09)		405 (15.94)										
	1PH8105					544.5 (21.44)		464.5 (18.29)										
	1PH8107					580 (22.83)		500 (19.69)										



SIMOTICS motors

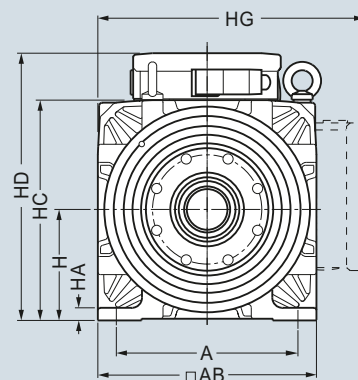
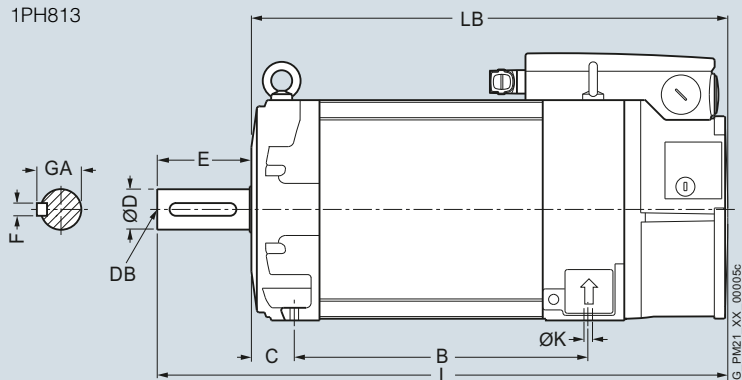
Dimensional drawings

SIMOTICS M-1PH8 asynchronous motors – SH 132 – Forced ventilation**Dimensional drawings**

For motor Dimensions in mm (inches)

Shaft height	Type	IEC	A	AB	B	C	H	HA	HC	HD	HG	K	L	LB	Shaft extension DE				
															D	DB	E	F	GA
1PH8, type of construction IM B3, forced ventilation																			
132	1PH8131	216 (8.50)	260 (10.24)	220.5 (8.68)	53 (2.09)	132 (5.20)	15 (0.59)	262 (10.31)	317.5 (12.50)	357.5 (14.07)	12 (0.47)	549 (21.61)	439 (17.28)	48 (1.89)	M16	110 (4.33)	14 (0.55)	51.5 (2.03)	
	1PH8133			265.5 (10.45)								594 (23.39)	484 (19.06)						

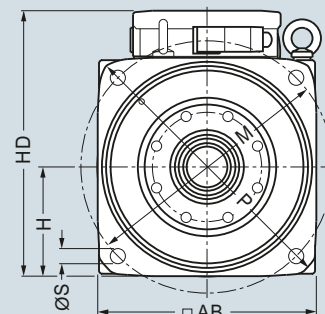
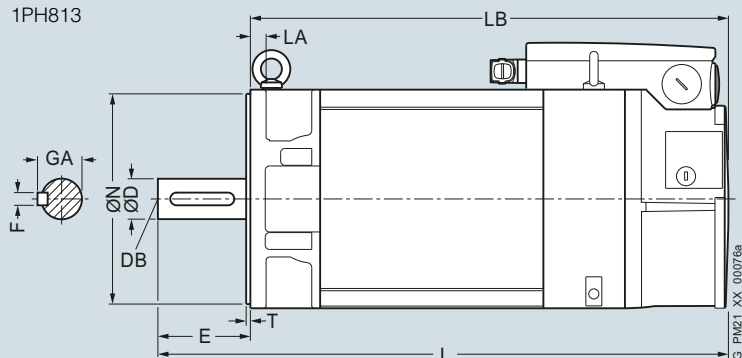
1PH813



For motor Dimensions in mm (inches)

Shaft height	Type	IEC AB	H	HD	L	LA	LB	M	N	P	S	T	Shaft extension DE				
													D	DB	E	F	GA
1PH8, type of construction IM B5, forced ventilation																	
132	1PH8131	260 (10.24)	130 (5.12)	315.5 (12.42)	549 (21.61)	18 (0.71)	439 (17.28)	300 (11.81)	250 (9.84)	340 (13.39)	18 (0.71)	5 (0.20)	48 (1.89)	M16	110 (4.33)	14 (0.55)	51.5 (2.03)
	1PH8133				594 (23.39)		484 (19.06)										

1PH813

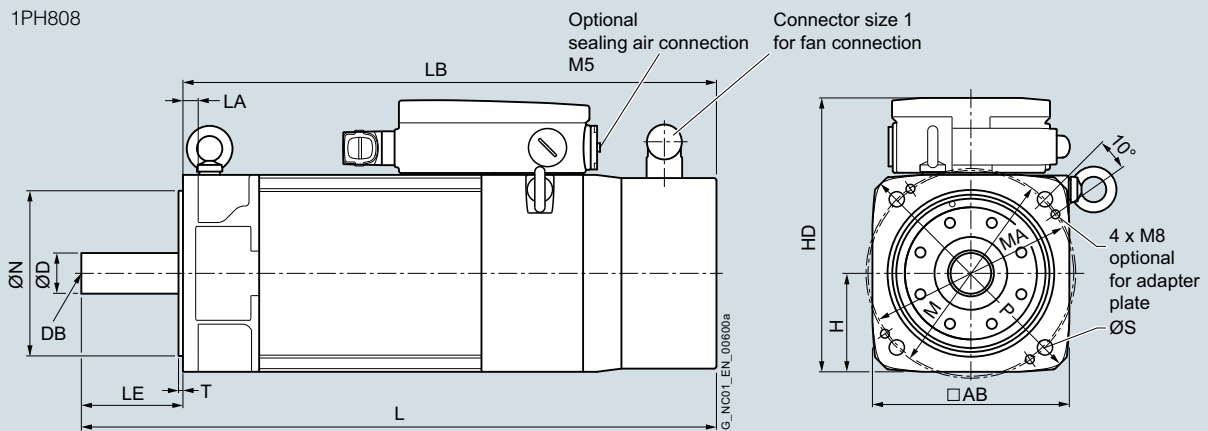


SIMOTICS M-1PH8 Premium Performance asynchronous motors – SH 80 – Forced ventilation – Solid shaft
Dimensional drawings

For motor Dimensions in mm (inches)

Shaft height	Type	IEC AB	H	HD	L	LA	LB	M	MA	N	P	S	T	Shaft extension DE		
														D	DB	LE
1PH8 Premium Performance, type of construction IM B5, forced ventilation, solid shaft																
80	1PH8081	155 (6.10)	77.5 (3.05)	213.5 (8.41)	375 (14.75)	12 (0.45)	325 (12.80)	165 (6.50)	162 (6.38)	130 (5.12)	200 (7.87)	12 (0.47)	3.5 (0.14)	24 (0.94)	M6	50 (1.97)
	1PH8083				425 (16.73)		375 (14.75)									
	1PH8087				475 (18.70)		425 (16.73)									

1PH808



SIMOTICS motors

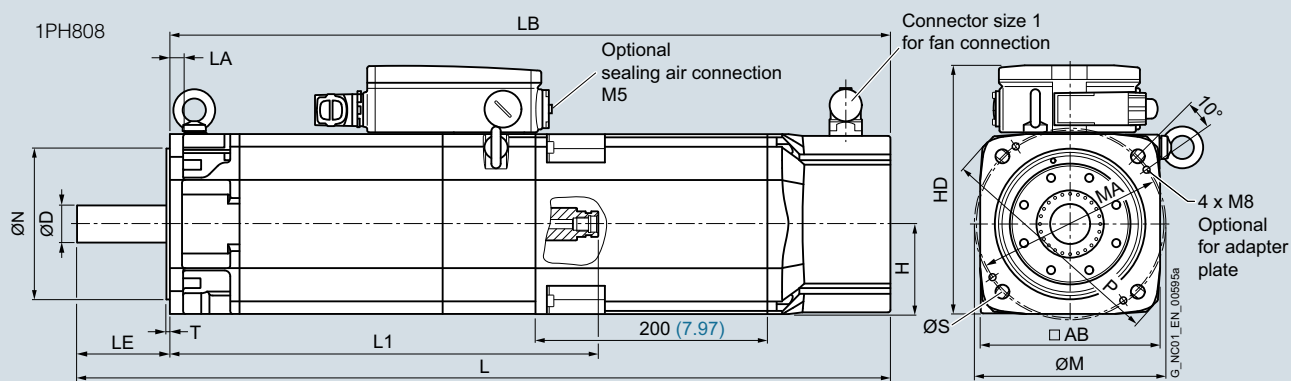
Dimensional drawings

SIMOTICS M-1PH8 Premium Performance asynchronous motors – SH 80 – Forced ventilation – Hollow shaft

Dimensional drawings

For motor Dimensions in mm (inches)

Shaft height	Type	IEC	AB	H	HD	L	LA	LB	L1	M	MA	N	P	S	T	Shaft extension DE		
																D	E	LE
1PH8 Premium Performance, type of construction IM B5, forced ventilation, hollow shaft																		
80	1PH8081	155	77.5	213.5	575	12	525	269.3	165	162	130	200	12	3.5	24	50	50	
		(6.10)	(3.05)	(8.41)	(22.64)	(0.45)	(20.67)	(10.60)	(6.50)	(6.38)	(5.12)	(7.87)	(0.47)	(0.14)	(0.94)	(1.97)	(1.97)	
	1PH8083				625		575	319.3										
						(24.61)		(22.64)	(12.57)									
	1PH8087				675		625	369.3										
					(26.57)		(24.61)	(14.54)										



1PH808 DE shaft extension

NDE shaft extension

