

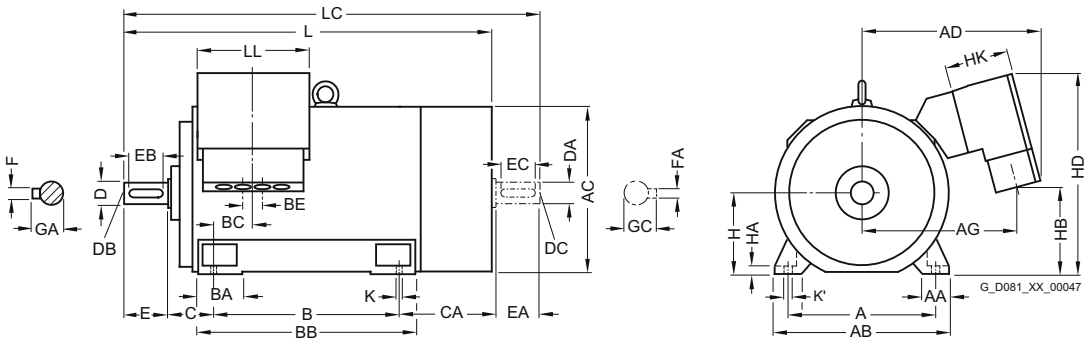
SIMOTICS N-compact Non-Standard Motors

Dimensions

Cast-iron series 1LL8
Frame sizes 315 to 450

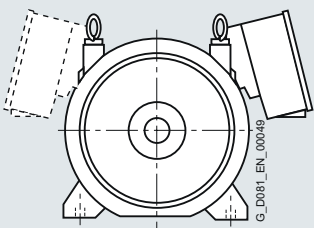
Dimensional drawings

Type of construction IM B3



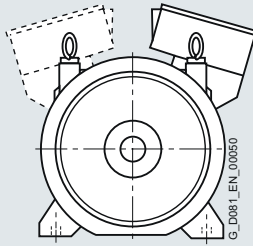
Connection box position

Basic version

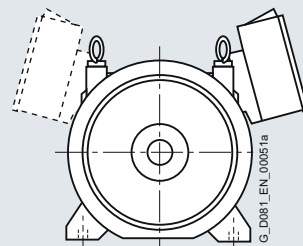


Cable entry: bottom
Console: 0°
Order code: –

Special versions



Cable entry: top
Console: 180°
Order code: K85



Cable entry: top
Console: 0°
Order code: N83

For motor		Dimension designation acc. to IEC																
Frame size	Type	Number of poles	A	AA	AB	AC ¹⁾	AD	AD'	AG	AG'	AQ	B	BA	BB	BC	BE	C	CA
315	1LL831.	2 4, 6, 8	560	120	680	710	662	– 660	569	– 560	670	630	180	780	195	110	180	435
355	1LL835.	2 4, 6, 8	630	150	780	790	829	– 880	739	– 745	750	800	220	980	185	135	200	470
400	1LL840.	2 4, 6, 8	710	150	860	880	865	– 930	775	– 795	850	900	220	1080	186	100	224	506
450	1LL845.	2 ²⁾ 4, 6, 8	800	180	980	970	900	– 980	810	– 845	950	1000	260	1220	170	100	250	540

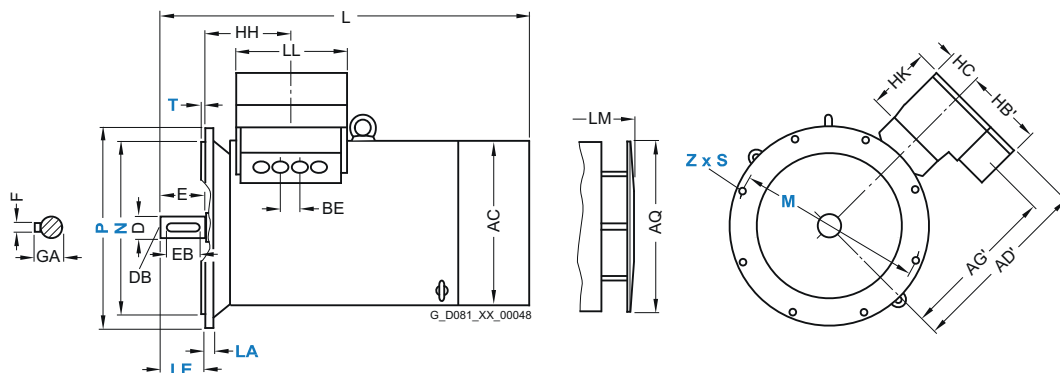
¹⁾ Measured across the bolt heads.

²⁾ Only at 50 Hz.

Dimensional drawings (continued)

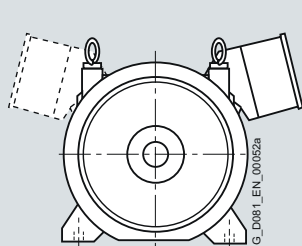
Type of construction IM V1

For flange dimensions, see section flange dimension (Z = the number of retaining holes)

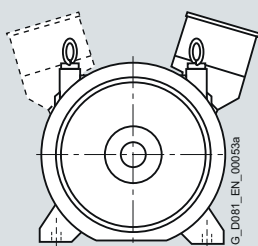


Connection box position

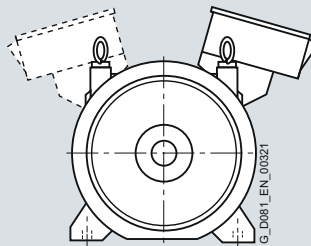
Special versions



Cable entry: DE/NDE
Console: 0°
Order code: K83/K84



Cable entry: DE/NDE
Console: 180°
Order code: N82/N81



Cable entry: bottom
Console: 180°
Order code: N84

For motor		Dimension designation acc. to IEC										DE shaft extension								
Frame size	Type	Number of poles	H	HA	HB	HB'	HD	HK	K	K'	L	LC	LL	LM	D	DB	E	EB	F	GA
315	1LL831.	2	315	28	363	-	828	229	26	33	1380	1495	330	1510	70	M20	140	125	20	74,5
		4, 6, 8																		
355	1LL835.	2	355	35	359	-	945	320	33	40	1605	1750	554	1775	80	M20	170	140	22	85
		4, 6, 8																		
400	1LL840.	2	400	35	439	-	1025	320	33	40	1793	1940	554	1943	85	M20	170	140	22	90
		4, 6, 8																		
450	1LL845.	2 ¹⁾	450	42	525	-	1111	320	39	47	1953	2100	554	2143	90	M24	170	140	25	95
		4, 6, 8																		

¹⁾ Only at 50 Hz.