

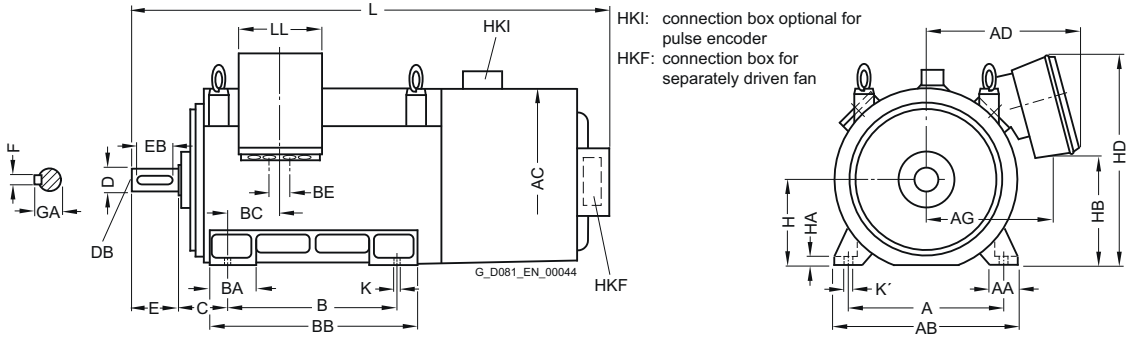
SIMOTICS N-compact Non-Standard Motors

Dimensions

Cast-iron series 1PQ8
Frame sizes 315 to 450

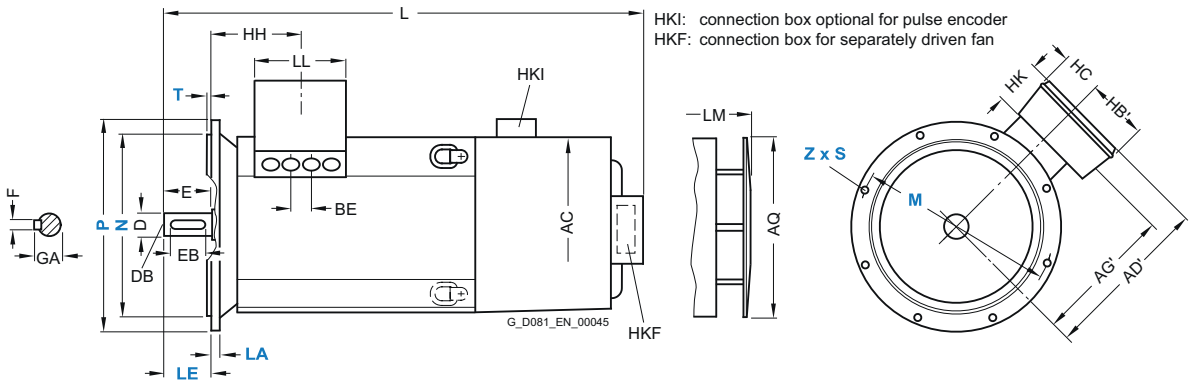
Dimensional drawings

Type of construction IM B3



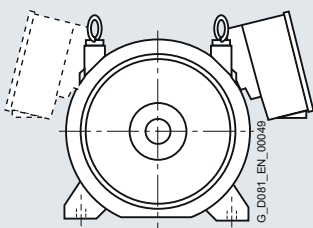
Type of construction IM V1

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



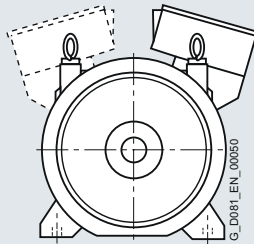
Connection box position

Basic version

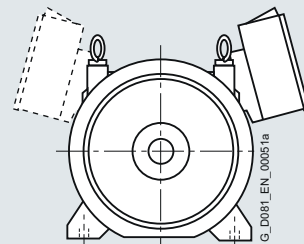


Cable entry: bottom
Console: 0°
Order code: -

Special versions



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



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

With cable entry from above, protection against rain and other adverse weather conditions must be provided.

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
315	1PQ831.	2 4, 6, 8 4, 6, 8 ²⁾	560	120	680	710	570	582	474	481	750	630	180	780	195	140	180 180 200
355	1PQ835. 35.	2 4, 6, 8	630	150	780	790	690	697	597	593	850	800	220	980	185	135	200 200
	1PQ8356	6					829	875	739	745						100	200
	1PQ8357	2, 4															
	1PQ835.	4, 6, 8 ²⁾					670	697	597	593						135	224
400	1PQ840.	2 4, 6, 8	710	150	860	880	865	925	775	795	950	900	220	1080	186	100	224
450	1PQ845.	2 ³⁾ 4, 6, 8	800	180	980	970	900	980	810	845	950	1000	260	1220	170	100	250

¹⁾ Measured across the bolt heads (not in the flattened area of the fan cover).

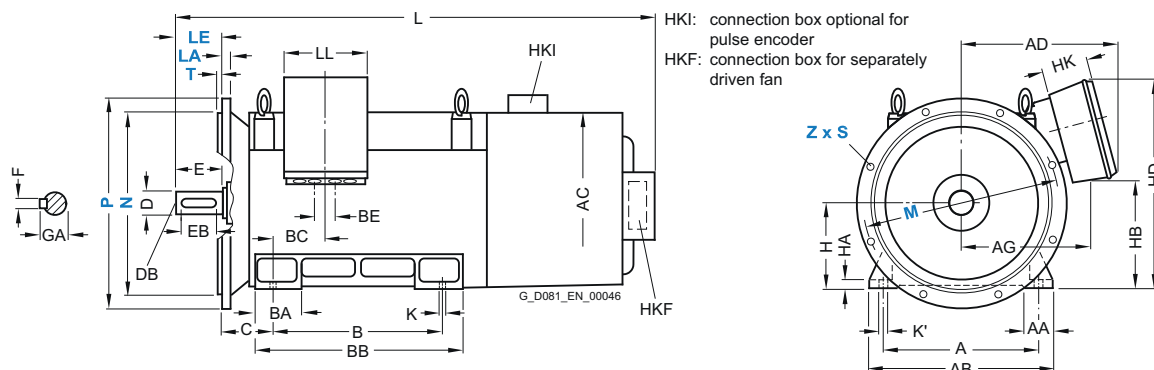
²⁾ With bearings for increased cantilever forces.

³⁾ Only at 50 Hz.

Dimensional drawings (continued)

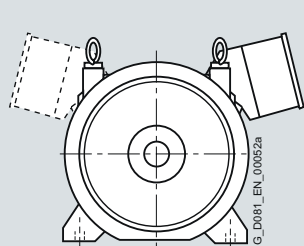
Type of construction IM B35

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

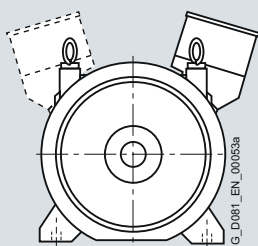


Connection box position

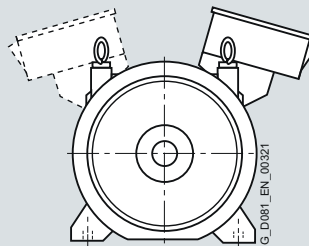
Special versions



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

Frame size	Type	Number of poles	Dimension designation acc. to IEC										DE shaft extension												
			H	HA	HB	HB'	HC	HD	HK	K	K'	L	LL	LM	D	DB	E	EB	F	GA					
315	1PQ831.	2	315	28	404	217	162	783	170	26	33	1742	308	1765	65	M20	140	125	18	69					
		4, 6, 8													85	M20	170	140	22	90					
		4, 6, 8 ¹⁾													95	M24	170	140	25	100					
355	1PQ835.	2	355	35	431	290	165	896	229	33	40	1971	330	2005	75	M20	140	125	20	79.5					
		4, 6, 8													95	M24	170	140	25	100					
		6													359	395	175	945	320	554					
		2, 4																							
	1PQ8356	2, 4																							
	1PQ8357	2, 4																							
	1PQ835.	4, 6, 8 ¹⁾										2065	2099	100	M24	210	180	28	106						
400	1PQ840.	2	400	35	440	400	175	1025	320	33	40	2148	554	2182	80	M20	170	140	22	85					
		4, 6, 8													110	M24	210	180	28	116					
450	1PQ845.	2 ²⁾	450	42	525	400	175	1111	320	39	47	2308	554	2340	90	M24	170	140	25	95					
		4, 6, 8													120		210	180	32	127					

¹⁾ With bearings for increased cantilever forces.

²⁾ Only at 50 Hz.