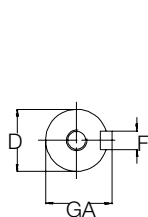
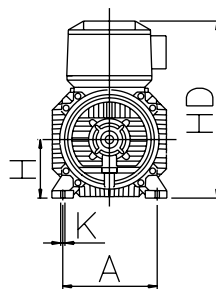
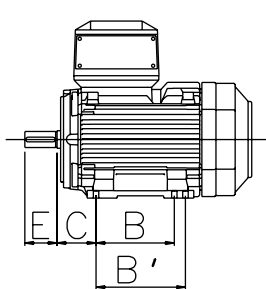


Dimension drawings

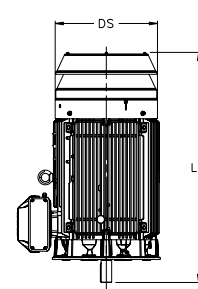
Flameproof motors, Ex d



M000289



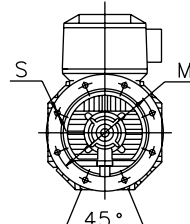
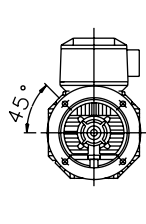
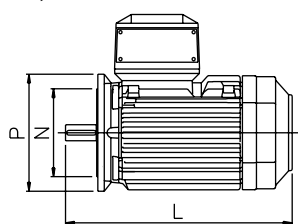
M000198



M000199

Foot-mounted motor IM 1001, IM B3

Motor with protection cover



M000200

Flange-mounted motor IM 3001, IM B5

Sizes 80 to 200

Sizes 225 to 450

Motor size	IM 1001, IM B3 AND IM 3001, IM B5											IM 1001, IM B3								IM 3001, IM B5				Protective roof		
	D poles		GA poles		F poles		E poles		L max poles		O ²⁾	A	B	B'	C	HD	K	H	M	N	P	S	DS	LS		
	2	4-8	2	4-8	2	4-8	2	4-8	2	4-8													2	4-8		
80	19	19	21.5	21.5	6	6	40	40	340	340	20	125	100	125	50	290	10	80	165	130	200	12	160	360	360	
90	24	24	27	27	8	8	50	50	405	405	20	140	100	125	56	315	10	90	165	130	200	12	180	430	430	
100	28	28	31	31	8	8	60	60	480	480	25	160	140	-	63	335	10	100	215	180	250	14.5	195	505	505	
112	28	28	31	31	8	8	60	60	480	480	25	190	140	-	70	350	12	112	215	180	250	14.5	195	505	505	
132	38	38	41	41	10	10	80	80	560	560	30	216	140	178	89	390	12	132	265	230	300	14.5	260	590	590	
160	42	42	45	45	12	12	110	110	808	808	45	254	210	254	108	495	14.5	160	300	250	350	18.5	328	852	852	
180	48	48	51.5	51.5	14	14	110	110	826	826	50	279	241	279	121	535	14.5	180	300	250	350	18.5	359	876	876	
200	55	55	59	59	16	16	110	110	774	774	70	318	267	305	133	616	18.5	200	350	300	400	18.5	414	844	844	
200 ³⁾	55	55	59	59	16	16	110	110	824	824	70	318	267	305	133	616	18.5	200	350	300	400	18.5	414	844	844	
225	55	60	59	64	16	18	110	140	841	871	80	356	286	311	149	663	18.5	225	400	350	450	18.5	462	921	951	
225 ³⁾	55	60	59	64	16	18	110	140	871	901	80	356	286	311	149	663	18.5	225	400	350	450	18.5	462	921	951	
250	60	65	64	69	18	18	140	140	875	875	90	406	311	349	168	726	24	250	500	450	550	18.5	506	965	965	
250 ³⁾	60	65	64	69	18	18	140	140	895	895	90	406	311	349	168	726	24	250	500	450	550	18.5	506	965	965	
280	65	75	69	79.5	18	20	140	140	1090	1090	100	457	368	419	190	862	24	280	500	450	550	18	555	1190	1190	
315 SM_	65	80	69	85	18	22	140	170	1176	1206	115	508	406	457	216	929	30	315	600	550	660	23	624	1290	1320	
315 ML_	65	90	69	95	18	25	140	170	1287	1317	115	508	457	508	216	929	30	315	600	550	660	23	624	1401	1431	
315 LK	65	90	69	95	18	25	140	170	1446	1475	115	590	508	560/710	216	929	28	315	600	550	660	23	624	1552	1589	
355 SM_	70	100	74.5	106	20	28	140	210	1409	1479	130	610	500	560	254	1124	35	355	740	680	800	23	590	1480	1550	
355 ML_	70	100	74.5	106	20	28	140	210	1514	1584	130	610	560	630	254	1124	35	355	740	680	800	23	590	1530	1600	
355 LK_	70	100	74.5	106	20	28	140	210	1764	1834	130	610	630	710	254	1124	35	355	740	680	800	23	590	1635	1705	
400 L_	80	110	85	126	22	28	170	210	1851	1891	150	710	900	800	224	1211	35	400	940	880	1000	28	590	1635	1705	
400 LK_	80	100	85	106	22	28	170	210	1851	1891	150	686	710	800	280	1211	35	400	740	680	800	23	700	1860	1900	
450	-	120 ¹⁾	-	127 ¹⁾	-	32 ¹⁾	-	210 ¹⁾	-	2071 ¹⁾	180	800	1000	1120	250	1328	42	450	1080	1000	1150	28	On request			

¹⁾ Size 450 pole numbers 6-8 ²⁾ Required distance from fan cover air inlet to obstacle behind motor ³⁾ For IE3 version

IM 3601, IM B14 - Available flange alternatives; see also variant codes.

Flange size	Variant code	Flange dimension				Motor size 80-132				
		P	M	N	S	80	90	100	112	132
FT100	258	120	100	80	M6	S	M	NA	NA	NA
FT115	260	140	115	95	M8	M	S	NA	NA	NA
FT130	229	160	130	110	M8	M	M	S	S	NA
FT165	236	200	165	130	M10	M	M	M	M	S
FT215	246	250	215	180	M12	NA	NA	M	M	M
FT265	256	300	265	230	M12	NA	NA	NA	NA	M
FF100	257	120	100	80	Ø7	M	M	NA	NA	NA
FF115	259	140	115	95	Ø10	M	M	NA	NA	NA
FF130	228	160	130	110	Ø10	M	M	M	M	NA
FF165	235	200	165	130	Ø12	S	S	M	M	M
FF215	245	250	215	180	Ø14.5	NA	NA	S	S	M
FF265	255	300	265	230	Ø14.5	NA	NA	NA	NA	S

S = Standard flange M = Modification NA = Not applicable

Tolerances:	
A, B	± 0.8
D, DA	ISO k6 < Ø 50mm
	ISO m6 > Ø 50mm
F, FA	ISO h9
H	-0.5
N	ISO j6
C, CA	± 0.8

In all dimension drawings: The tables give the main dimensions in mm.
For detailed drawings please see our web-pages
'www.abb.com/motors&generators' or contact ABB.