



## DREHSTROMMOTOREN EXPLOSIONSGESCHÜTZT

Leistungsfähigkeit: IE3, Kühlart: IC411 Eigenbelüftet, Ex d IIC T4

## THREE - PHASE EXPLOSION-PROOF MOTORS

Efficiency: IE3, Cooling Method: IC411 Self-ventilated, Ex d IIC T4

## Moteur triphasé Antideflagrants

L'efficacité: IE3, Méthode de refroidissement: IC411 Autoventilés, Ex d IIC T4



### 400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos Φ	%	Nm	Ma/Mn	Ia/In	Nm	kg m <sup>2</sup>	kg

### 2 Polig / 2 Pole

H3DX80MA-2	0.75	2855	1.7	0.81	80.7	2.5	2.3	6.8	2.3	0.0010	19
H3DX80MB-2	1.1	2860	2.3	0.82	82.7	3.7	2.3	7.3	2.3	0.0013	22
H3DX90S-2	1.5	2865	3.1	0.84	84.2	5.0	2.3	7.6	2.3	0.0024	30
H3DX90L-2	2.2	2870	4.3	0.85	85.9	7.3	2.3	7.8	2.3	0.0028	34
H3DX100L-2	3.0	2890	5.8	0.85	87.1	9.9	2.3	8.1	2.3	0.0074	41
H3DX112M-2	4.0	2900	7.7	0.85	88.1	13.2	2.3	8.3	2.3	0.0085	43
H3DX132SA-2	5.5	2910	10.2	0.87	89.2	18.0	2.2	8.0	2.3	0.0209	65
H3DX132SB-2	7.5	2936	13.2	0.90	91.4	24.4	2.6	7.5	2.6	0.0284	118
H3DX160MA-2	11	2931	18.3	0.95	91.9	35.8	2.6	7.5	3.1	0.0425	153
H3DX160MB-2	15	2931	26.5	0.89	91.9	48.9	3.2	7.9	4.0	0.0511	156
H3DX160L-2	18.5	2931	31.5	0.92	92.6	60.3	2.0	6.8	2.6	0.0667	193
H3DX180M-2	22	2956	37.4	0.91	93.1	71.1	2.4	9.0	3.6	0.1097	264
H3DX200LA-2	30	2949	58.0	0.94	93.9	97.2	2.1	8.2	4.7	0.1802	319
H3DX200LB-2	37	2969	61.5	0.92	94.8	119.0	2.2	9.7	2.9	0.2254	374
H3DX225M-2	45	2956	75.0	0.92	94.5	145.4	2.2	7.8	2.7	0.2567	421
H3DX250M-2	55	2976	91.0	0.92	95.3	176.5	3.4	9.2	4.2	0.6154	624
H3DX280S-2	75	2970	126	0.92	95.0	241.2	1.8	7.1	2.5	0.6364	694
H3DX280M-2	90	2964	149	0.92	95.5	290.0	2.6	8.3	3.9	0.719	725
H3DX315S-2	110	2964	177	0.94	95.3	354.4	2.3	8.0	2.7	1.040	829
H3DX315M-2	132	2970	217	0.92	95.5	424.4	2.4	8.1	3.5	1.283	948
H3DX315LA2	160	2979	263	0.09	96.0	512.9	2.6	8.2	2.2	1.932	1160
H3DX315LB-2	200	2973	325	0.91	95.9	642.4	2.7	7.9	2.3	2.171	1300
H3DX355M-2	250	2980	427	0.88	95.9	801.2	2.2	6.5	2.8	3.425	1550
H3DX355LA-2	280	2980	478	0.88	96.0	897.3	2.2	6.5	2.5	3.806	1650
H3DX355LB-2	315	2980	537	0.88	96.1	1009	2.3	6.5	2.9	4.092	1850





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Leistungsfähigkeit: IE3, Kühlart: IC411 Eigenbelüftet, Ex d IIC T4

## THREE - PHASE EXPLOSION-PROOF MOTORS

Efficiency: IE3, Cooling Method: IC411 Self-ventilated, Ex d IIC T4

## Moteur triphasé Antideflagrants

L'efficacité: IE3, Méthode de refroidissement: IC411 Autoventilés, Ex d IIC T4



### 400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos Φ	%	Nm	Ma/Mn	Ia/In	Nm	kg m <sup>2</sup>	kg

### 4 Polig / 4 Pole

H3DX80MB-4	0.75	1420	1.8	0.74	82.5	5.0	2.3	6.5	2.3	0.0035	25
H3DX90S-4	1.1	1425	2.5	0.75	84.1	7.4	2.3	6.6	2.3	0.0046	29
H3DX90L-4	1.5	1425	3.4	0.75	85.3	10.1	2.3	6.9	2.3	0.0050	34
H3DX100LA-4	2.2	1440	4.6	0.79	86.7	14.6	2.3	7.5	2.3	0.0105	43
H3DX100LB-4	3.0	1440	6.3	0.79	87.7	19.9	2.3	7.6	2.3	0.0146	49
H3DX112M-4	4.0	1440	8.2	0.79	88.6	26.5	2.3	7.7	2.3	0.0188	53
H3DX132S-4	5.5	1450	11.1	0.80	89.6	36.2	2.0	7.5	2.3	0.0543	73
H3DX132M-4	7.5	1467	15.0	0.79	92.0	48.8	3.0	7.7	4.2	0.0525	113
H3DX160M-4	11	1473	19.4	0.88	92.8	71.3	2.5	9.2	3.3	0.9736	169
H3DX160L-4	15	1452	26.0	0.91	92.2	98.7	2.2	7.5	2.8	0.1093	215
H3DX180M-4	18.5	1471	33.0	0.87	92.7	120.1	2.3	7.7	2.8	0.1723	230
H3DX180L-4	22	1470	39.5	0.86	93.2	142.9	2.3	7.8	2.8	0.1926	265
H3DX200L-4	30	1485	59.6	0.79	93.9	192.9	2.8	8.7	3.1	0.3124	368
H3DX225S-4	37	1479	65.0	0.88	94.8	238.9	2.3	7.6	2.8	0.4436	483
H3DX225M-4	45	1463	76.5	0.90	95.0	293.7	2.2	8.1	2.5	0.4985	509
H3DX250M-4	55	1485	95.0	0.88	94.9	353.7	2.6	8.0	2.9	1.071	630
H3DX280S-4	75	1485	142	0.80	95.4	482.3	2.8	7.9	3.2	1.103	715
H3DX280M-4	90	1480	158	0.87	95.2	580.7	2.9	8.0	2.9	1.226	750
H3DX315S-4	110	1477	186	0.90	95.5	711.2	2.5	8.0	3.5	1.906	863
H3DX315M-4	132	1478	221	0.90	95.6	852.9	2.5	8.0	2.5	2.044	958
H3DX315LA-4	160	1478	277	0.87	95.9	1034	2.3	7.2	2.6	3.310	1170
H3DX315LB-4	200	1481	341	0.88	96.1	1290	2.9	6.8	2.9	4.122	1330
H3DX355M-4	250	1485	472	0.88	96.1	1608	2.3	6.5	2.3	6.791	1815
H3DX355LA-4	280	1485	472	0.89	96.2	1801	2.4	6.3	2.4	7.546	1895
H3DX355LB-4	315	1485	531	0.89	96.2	2026	2.5	6.6	2.5	7.998	2170
H3DX355LC-4	355	1491	584	0.92	96.0	2274	1.3	8.2	3.8	9.200	2323
H3DX355LD-4	400	1488	663	0.90	96.1	2567	1.3	8.4	4.1	9.600	2500





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Leistungsfähigkeit: IE3, Kühlart: IC411 Eigenbelüftet, Ex d IIC T4

## THREE - PHASE EXPLOSION-PROOF MOTORS

Efficiency: IE3, Cooling Method: IC411 Self-ventilated, Ex d IIC T4

## Moteur triphasé Antideflagrants

L'efficacité: IE3, Méthode de refroidissement: IC411 Autoventilés, Ex d IIC T4



### 400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos Φ	%	Nm	Ma/Mn	Ia/In	Nm	kg m <sup>2</sup>	kg

### 6 Polig / 6 Pole

H3DX90S-6	0.75	945	2.0	0.70	78.9	7.6	2.1	5.8	2.1	0.0055	29
H3DX90L-6	1.1	945	2.8	0.70	81.0	11.1	2.1	5.9	2.1	0.0070	33
H3DX100L-6	1.5	955	3.6	0.73	82.5	15.0	2.1	6.0	2.1	0.0128	41
H3DX112M-6	2.2	955	5.2	0.73	84.3	22.0	2.0	6.0	2.1	0.0225	53
H3DX132S-6	3.0	965	6.9	0.73	85.6	29.7	2.0	6.2	2.1	0.0435	66
H3DX132MA-6	4.0	965	9.0	0.74	86.8	39.6	2.0	6.8	2.1	0.0521	72
H3DX132MB-6	5.5	965	12.2	0.74	88.0	54.4	2.0	7.1	2.1	0.0650	87
H3DX160M-6	7.5	983	15.5	0.78	90.6	72.9	2.5	8.3	3.8	0.1274	162
H3DX160L-6	11	980	20.5	0.85	91.2	107.2	2.0	7.0	2.5	0.1746	190
H3DX180L-6	15	976	27.0	0.88	91.8	146.8	2.0	7.7	2.0	0.2830	232
H3DX200LA-6	18.5	981	34.0	0.85	92.0	180.1	2.0	7.7	3.5	0.3728	297
H3DX200LB-6	22	980	39.3	0.88	92.4	214.4	2.1	7.5	2.6	0.4520	303
H3DX225M-6	30	980	52.0	0.89	93.0	292.3	2.0	7.1	2.7	0.6893	406
H3DX250M-6	37	988	66.0	0.86	94.7	357.6	2.7	7.3	2.8	1.421	632
H3DX280S-6	45	985	80.0	0.86	95.1	436.3	2.4	8.9	3.5	1.513	710
H3DX280M-6	55	986	101	0.83	94.6	532.7	3.6	8.1	2.7	1.657	750
H3DX315S-6	75	988	131	0.86	96.1	724.9	2.5	9.0	3.0	2.796	863
H3DX315M-6	90	987	156	0.88	95.1	870.8	2.5	9.0	3.1	3.422	975
H3DX315LA-6	110	992	199	0.84	95.2	1059	2.5	6.5	2.2	5.254	1130
H3DX315LB-6	132	988	223	0.88	95.7	1276	2.2	5.4	2.2	5.911	1240
H3DX355MA-6	160	986	285	0.84	95.6	1550	2.0	5.4	2.0	6.561	1340
H3DX355MB-6	200	987	338	0.89	96.0	1935	2.1	6.0	2.1	8.908	1850
H3DX355L-6	250	989	427	0.88	96.0	2414	2.5	7.0	2.5	9.799	1900





## DREHSTROMMOTOREN EXPLOSIONSGESCHÜTZT

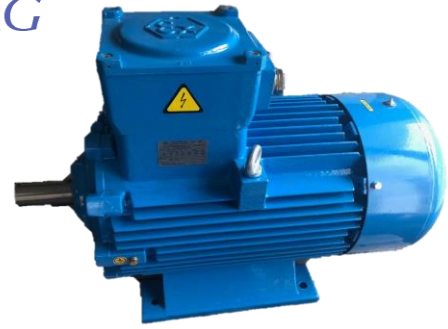
Leistungsfähigkeit: IE1, Kühlart: IC411 Eigenbelüftet, Ex d IIC T4

## THREE - PHASE EXPLOSION-PROOF MOTORS

Efficiency: IE1, Cooling Method: IC411 Self-ventilated, Ex d IIC T4

## Moteur triphasé Antideflagrants

L'efficacité: IE1, Méthode de refroidissement: IC411 Autoventilés, Ex d IIC T4



### 400 V - 50 Hz - CL F - IP55

Typ	Nennleistung	Nenn-drehzahl	N-strom 400 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Trägheits-moment	Gewicht
Type	Rated output	Rated speed	Current 400 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Moment of inertia	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 400 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Moment d'inertie	Masse
	kW	1/min	A	cos φ	%	Nm	Ma/Mn	Ia/In	Nm	kg m2	kg

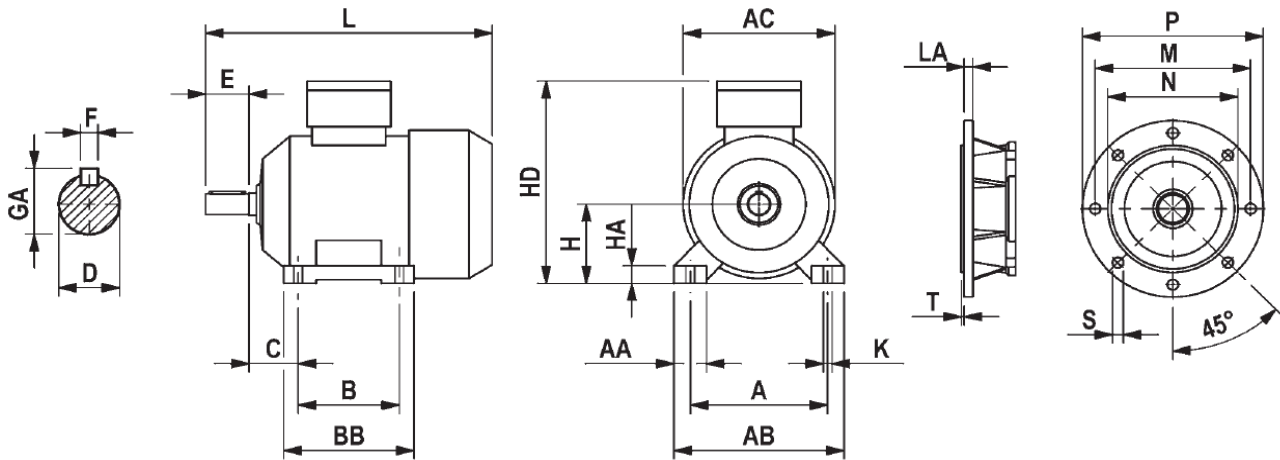
### 8 Polig / 8 Pole

HDX100LA-8	0.75	700	2.3	0.67	71.0	10.2	2.1	4.0	2.4	0.008	33
HDX100LB-8	1.1	700	3.2	0.69	73.0	15.0	2.2	3.7	2.4	0.010	38
HDX112MA-8	1.5	700	4.2	0.69	75.0	20.5	2.2	4.2	2.7	0.017	50
HDX132S-8	2.2	705	5.7	0.71	78.0	29.8	2.1	4.7	2.5	0.030	58
HDX132MA-8	3.0	705	7.5	0.73	79.0	40.6	2.1	4.6	2.6	0.040	68
HDX160MA-8	4.0	710	9.8	0.73	81.0	53.8	2.1	4.5	2.7	0.075	113
HDX160MB-8	5.5	715	12.9	0.74	83.0	73.5	2.3	5.0	2.8	0.093	123
HDX160L-8	7.5	720	16.9	0.75	85.5	99.5	2.2	6.0	2.6	0.125	150
HDX180L-8	11	730	23.9	0.76	87.5	143.9	2.2	5.5	2.5	0.202	178
HDX200L-8	15	730	32.4	0.76	88.0	196.2	2.1	5.8	2.8	0.338	233
HDX225S-8	18.5	731	39.0	0.76	90.0	241.7	2.1	6.3	2.5	0.490	283
HDX225M-8	22	735	45.0	0.78	90.5	285.9	2.2	6.2	2.5	0.550	323
HDX250M-8	30	735	60.2	0.79	91.0	389.8	2.3	5.9	3.0	0.830	400
HDX280S-8	37	735	73.9	0.79	91.5	480.7	2.1	6.3	2.8	1.390	515
HDX280MA-8	45	740	89.4	0.79	92.0	580.7	1.9	6.4	2.5	1.650	566
HDX315S-8	55	740	106	0.81	92.8	709.8	1.9	6.8	2.7	4.790	790
HDX315M-8	75	740	144	0.81	93.0	967.9	2.0	7.0	2.4	5.580	970
HDX315LA-8	90	740	169	0.82	93.8	1162	2.4	6.7	2.8	6.370	1060
HDX315LB-8	110	740	206	0.82	94.0	1420	2.4	6.4	2.5	7.230	1170
HDX355MA-8	132	740	248	0.82	93.7	1704	1.7	5.8	2.3	10.54	1560
HDX355MB-8	160	743	299	0.82	94.2	2057	1.5	5.5	2.3	11.72	1650
HDX355L-8	200	743	368	0.83	94.5	2571	1.3	6.0	3.3	12.85	1940
HDX355LA-8	225	740	438	0.78	95.0	2904	1.6	6.5	2.5	13.50	2230
HDX355LB-8	250	740	487	0.78	95.0	3226	1.6	6.5	2.5	14.50	2460
HDX355LC-8	315	740	614	0.78	95.0	4065	1.6	6.5	2.5	15.40	2750





## Overall mounting dimensions for HDX series of three-phase explosion-proof motors. Frame size 80-200

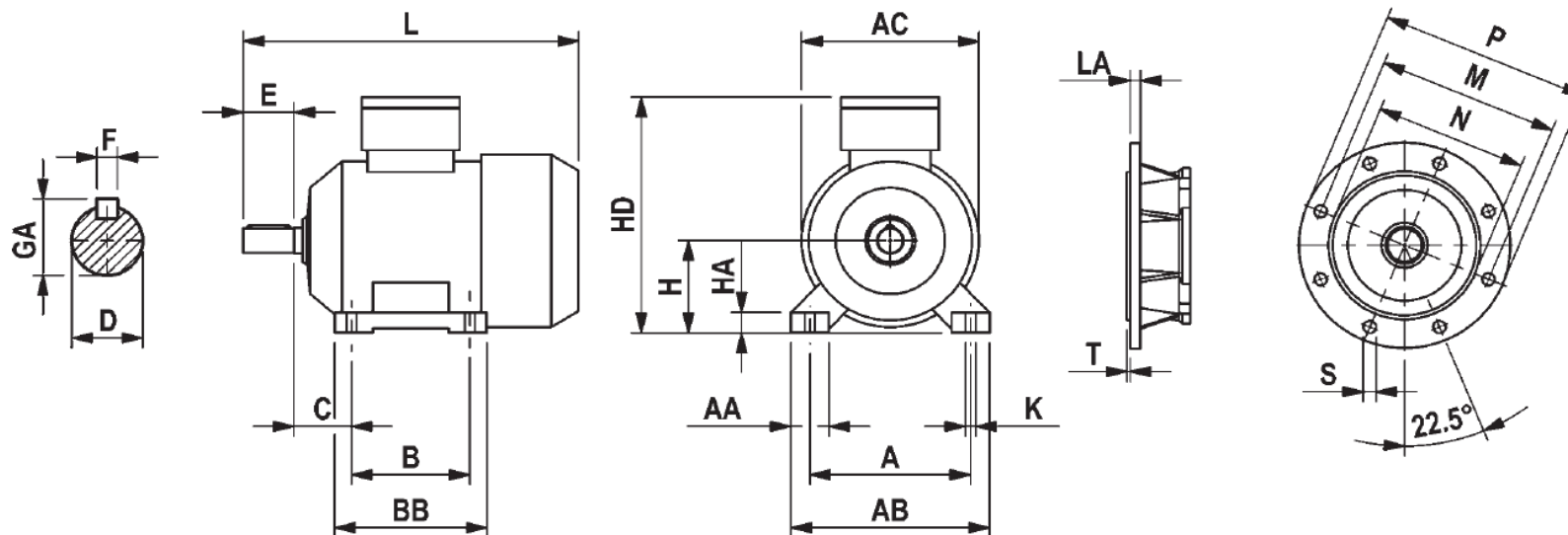


IEC Type / Typ	Frame / Gehäuse											Shaft / Welle					
	B	A	HA	BB	AB	K	AA	AC	H	L	HD	C	D	E	GA	F	LA
HDX80A 2-8	100	125	10	130	160	10	35	158	80	315	254	50	19	40	21.5	6	10
HDX80B 2-8	100	125	10	130	160	10	35	158	80	315	254	50	19	40	21.5	6	10
HDX90S 2-8	100	140	12	140	175	10	35	177	90	361	272	56	24	50	27	8	12
HDX90L 2-8	125	140	12	165	175	10	35	177	90	361	272	56	24	50	27	8	12
HDX100LA 2-8	140	160	14	180	205	12	45	199	100	412	307	63	28	60	31	8	12
HDX100LB 2-8	140	160	14	180	205	12	45	199	100	437	307	63	28	60	31	8	12
HDX112M 2-8	140	190	15	180	235	12	45	221	112	456	332	70	28	60	31	8	12
HDX132S 2-8	140	216	18	186	264	12	48	263	132	523	400	89	38	80	41	10	12
HDX132M 2-8	178	216	18	224	264	12	48	263	132	570	400	89	38	80	41	10	12
HDX160M 2-8	210	254	19.5	260	314	15	60	317	160	660	471	108	42	110	45	12	15
HDX160L 2-8	254	254	19.5	304	314	15	60	317	160	660	471	108	42	110	45	12	15
HDX180M 2-8	241	279	22	301	350	15	71	357	180	730	507	121	48	110	51.5	14	15
HDX180L 2-8	279	279	22	339	350	15	71	357	180	730	507	121	48	110	52	14	15
HDX200L 2-8	305	318	25	375	388	19	70	396	200	803	573	133	55	110	59	16	17

IEC Type / Typ	Flange / Flansch B5					Flange / Flansch B14					Flange / Flansch B14 (B24)				
	P	N	M	T	S	P	N	M	T	S	P	N	M	T	S
HDX80A 2-8	200	130	165	3.5	12	160	110	130	4	M8	120	80	100	3	M6
HDX80B 2-8	200	130	165	3.5	12	160	110	130	4	M8	120	80	100	3	M6
HDX90S 2-8	200	130	165	4	12	160	110	130	4	M8	120	80	100	3	M6
HDX90L 2-8	200	130	165	4	12	160	110	130	4	M8	120	80	100	3	M6
HDX100LA 2-8	250	180	215	4	14.5	200	130	165	3.5	M10	160	110	130	4	M8
HDX100LB 2-8	250	180	215	4	15	200	130	165	4	M10	160	110	130	4	M8
HDX112M 2-8	250	180	215	4	14.5	200	130	165	4	M10	160	110	130	4	M8
HDX132S 2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
HDX132M 2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
HDX160M 2-8	350	250	300	5	19	300	230	265	5	M12					
HDX160L 2-8	350	250	300	5	19	300	230	265	5	M12					
HDX180M 2-8	350	250	300	5	19										
HDX180L 2-8	350	250	300	5	19										
HDX200L 2-8	400	300	350	5	19										

# Overall mounting dimensions for HDX series of three-phase explosion-proof motors.

Frame size 225-355



Type / Typ	Frame / Gehäuse										Shaft / Welle						Flange / Flansch B5					
	B	A	HA	BB	AB	K	AA	AC	H	L	HD	C	D	E	GA	F	LA	P	N	M	T	S
HDX225S 4-8	286	356	28	374	488	19	79	446	225	915	635	149	60	140	64	18	20	450	350	400	5	19
HDX225M 2	311	356	28	400	435	19	79	446	225	915	635	149	55	110	59	16	20	450	350	400	5	19
HDX225M 4-8	311	356	28	400	435	19	79	446	225	915	635	149	60	140	64	18	20	450	350	400	5	19
HDX250M 2	349	406	30	445	486	24	82.5	446	250	965	660	168	60	140	64	18	22	550	450	500	5	19
HDX250M 4-8	349	406	30	445	486	24	82.5	446	250	965	660	168	65	140	69	18	22	550	450	500	5	19
HDX280S 2	386	457	35	470	542	24	91	500	280	1042	758	190	65	140	69	20	22	550	450	500	5	19
HDX280S 4-8	386	457	35	470	542	24	91	500	280	1042	758	190	75	140	79.5	20	22	550	450	500	5	19
HDX280M 2	419	457	35	521	542	24	91	500	280	1082	758	190	65	140	69	20	22	550	450	500	5	19
HDX280M 4-8	419	457	35	521	542	24	91	500	280	1082	758	190	75	140	79.5	20	22	550	450	500	5	19
HDX315S 2	406	508	45	570	630	28	120	560	315	1190	826	216	65	140	69	18	22	660	550	600	6	24
HDX315S 4-8	406	508	45	570	630	28	120	560	315	1220	826	216	80	170	85	22	22	660	550	600	6	24
HDX315M 2	457	508	45	680	630	28	120	560	315	1230	826	216	65	140	69	18	22	660	550	600	6	24
HDX315M 4-8	457	508	45	680	630	28	120	560	315	1260	826	216	80	170	85	22	22	660	550	600	6	24
HDX315L 2	508	508	45	680	630	28	120	620	315	1290	857	216	65	140	69	18	22	660	550	600	6	24
HDX315L 4-8	508	508	45	680	630	28	120	620	315	1350	857	216	80	170	85	22	22	660	550	600	6	24
HDX355M 2	560	610	52	760	730	28	116	705	355	1490	960	254	80	170	85	22	25	800	680	470	6	24
HDX355M 4-8	560	610	52	760	730	28	116	705	355	1560	960	254	100	210	106	28	25	800	680	470	6	24
HDX355L 2	630	610	52	760	730	28	116	705	355	1570	960	254	80	170	85	22	25	800	680	470	6	24
HDX355L 4-8	630	610	52	760	730	28	116	705	355	1640	960	254	100	210	106	28	25	800	680	470	6	24