

**DREHSTROMMOTOREN EXPLOSIONS-GESCHÜTZT**

Leistungsfähigkeit: IE2, Kühlart: IC411 Eigenbelüftet, Ex d IIC T4

**THREE - PHASE EXPLOSION-PROOF MOTORS**

Efficiency: IE2, Cooling Method: IC411 Self-ventilated, Ex d IIC T4

**Moteur triphasé Antideflagrants**

L'efficacité: IE2, Méthode de refroidissement: IC411 Autoventilés, Ex d IIC T4


**380V - 460V - 60 Hz - CL F - IP55**

Typ	Nennleistung	Nenn-drehzahl	N-strom 380 V	N-strom 460 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 380 V	Current 460 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 380 V	Intensité 460 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	KW	1 / min	A	A	cos $\varphi$	%	Nm	MA / MN	Ia / In	MK / MN	kg

**2 Polig / 2 Poles / 2 Pôles**

H2DX80A-2	0.75	3438	1.84	1.52	0.85	80.3	2.08	4.1	6.3	4.3	22
H2DX80B-2	1.1	3420	2.54	2.10	0.90	80.5	3.07	2.3	5.6	2.5	24
H2DX90S-2	1.5	3420	3.46	2.85	0.89	81.6	4.19	3.3	5.2	3.4	30
H2DX90L-2	2.2	3384	4.80	3.97	0.92	83.3	6.21	2.3	5.7	2.7	38
H2DX100L-2	3.0	3396	6.47	5.35	0.91	85.2	8.44	3.2	6.1	3.5	46
H2DX112M-2	4.0	3462	8.48	7.01	0.91	86.7	11.0	2.7	7.7	2.7	62
H2DX132SA-2	5.5	3516	12.2	10.1	0.85	88.6	14.9	3.6	7.7	3.9	97
H2DX132SB-2	7.5	3504	16.2	13.4	0.88	88.1	20.4	3.3	7.1	3.8	102
H2DX160MA-2	11	3510	22.5	18.6	0.90	91.0	29.9	2.3	7.0	2.4	153
H2DX160MB-2	15	3510	30.2	25.0	0.90	92.2	40.8	2.2	7.0	2.4	198
H2DX160L-2	18.5	3510	36.8	30.4	0.91	92.4	50.3	2.3	7.0	2.5	220
H2DX180M-2	22	3534	43.7	36.1	0.92	91.5	59.5	1.9	7.5	2.1	250
H2DX200LA-2	30	3516	60.4	49.9	0.90	92.3	81.5	2.5	6.4	2.5	316
H2DX200LB-2	37	3534	74.3	61.4	0.90	92.6	100.0	2.9	7.3	2.9	319
H2DX225M-2	45	3546	88.5	73.1	0.91	93.5	121.2	3.0	7.7	3.6	414
H2DX250M-2	55	3532	107.1	88.5	0.92	93.4	148.7	2.7	7.8	3.5	500
H2DX280S-2	75	3540	149.7	123.7	0.89	94.2	202.3	1.8	6.1	1.8	614
H2DX280M-2	90	3552	179.4	148.2	0.89	94.3	242.0	2.6	6.8	2.6	694
H2DX315S-2	110	3557	208.1	171.9	0.93	95.1	295.3	2.2	7.5	2.7	829
H2DX315MA-2	132	3558	248.7	205.4	0.93	95.5	354.3	2.5	7.6	2.5	948
H2DX315MB2	160	3570	305.4	252.2	0.92	95.3	428.0	1.9	7.0	1.9	1180
H2DX315L-2	200	3576	380.9	314.6	0.92	95.5	534.1	2.1	7.0	2.1	1280
H2DX355M-2	250	3576	499.9	412.9	0.88	95.1	667.6	2.2	6.3	2.8	1500
H2DX355LA-2	280	3576	559.8	462.5	0.88	95.1	747.8	2.0	6.0	2.5	1620
H2DX355LB-2	315	3576	629.1	519.7	0.88	95.2	841.2	2.3	6.3	2.9	1825



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**380V - 460V - 60 Hz - CL F - IP55**

Typ	Nennleistung	Nenn-drehzahl	N-strom 380 V	N-strom 460 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 380 V	Current 460 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 380 V	Intensité 460 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	KW	1 / min	A	A	cos φ	%	Nm	MA / MN	Ia / In	MK / MN	kg

**4 Polig / 4 Poles / 4 Pôles**

H2DX80B-4	0.75	1710	2.04	1.69	0.77	79.8	4.19	2.5	5.6	2.5	25
H2DX90S-4	1.1	1698	2.62	2.17	0.85	82.5	6.19	2.6	6.3	2.6	34
H2DX90L-4	1.5	1704	3.89	3.21	0.78	82.8	8.41	2.9	6.2	2.9	37
H2DX100LA-4	2.2	1730	5.62	4.64	0.77	85.1	12.1	2.3	5.1	2.4	49
H2DX100LB-4	3.0	1724	7.71	6.37	0.76	85.7	16.6	2.7	5.6	3.2	54
H2DX112M-4	4.0	1716	8.97	7.41	0.86	86.8	22.3	2.3	5.9	2.5	62
H2DX132S-4	5.5	1757	12.0	9.9	0.86	88.9	29.9	2.2	6.5	2.4	103
H2DX132M-4	7.5	1746	16.8	13.9	0.83	90.0	41.0	2.4	7.3	2.9	121
H2DX160M-4	11	1753	22.3	18.4	0.91	90.9	59.9	2.1	7.9	2.7	170
H2DX160L-4	15	1742	30.3	25.1	0.91	90.9	82.2	2.0	7.3	2.8	185
H2DX180M-4	18.5	1765	38.4	31.7	0.87	92.6	100.1	2.3	7.7	2.8	215
H2DX180L-4	22	1764	45.3	37.4	0.88	92.3	119.1	2.3	7.8	2.8	238
H2DX200L-4	30	1775	63.0	52.0	0.86	92.7	161.4	2.3	7.8	2.5	323
H2DX225S-4	37	1768	74.3	61.4	0.90	92.6	199.9	2.0	7.1	2.5	347
H2DX225M-4	45	1770	92.4	76.3	0.87	93.7	242.8	2.3	7.8	2.3	417
H2DX250M-4	55	1770	109.7	90.6	0.89	94.3	296.8	2.1	7.9	2.1	506
H2DX280S-4	75	1776	150.3	124.1	0.88	94.9	403.3	2.8	7.9	3.2	658
H2DX280M-4	90	1776	178.3	147.3	0.89	94.9	484.0	2.4	7.2	3.0	711
H2DX315S-4	110	1771	213.6	176.4	0.91	94.7	593.1	2.0	7.3	2.3	840
H2DX315MA-4	132	1769	267.2	220.8	0.87	95.0	712.7	2.1	7.5	2.2	944
H2DX315MB-4	160	1774	323.9	267.6	0.87	95.0	861.5	2.3	7.2	2.6	1160
H2DX315L-4	200	1777	399.0	329.6	0.88	95.3	1074.7	2.9	6.8	2.9	1320
H2DX355MB-4	250	1782	498.8	412.1	0.88	95.3	1339.8	2.3	6.5	2.3	1795
H2DX355LA-4	280	1782	551.2	455.4	0.89	95.5	1500.6	2.4	6.3	2.4	1875
H2DX355LB-4	315	1782	620.1	512.3	0.89	95.5	1688.1	2.5	6.6	2.5	2150



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Type	Rated output	Rated speed	Current 380 V	Current 460 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
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	KW	1 / min	A	A	cos $\varphi$	%	Nm	MA / MN	la / ln	MK / MN	kg

**6 Polig / 6 Poles / 6 Pôles**

H2DX90S-6	0.75	1138	2.20	1.81	0.75	76.2	6.30	2.1	4.6	2.3	33
H2DX90L-6	1.1	1140	3.18	2.63	0.74	78.1	9.21	2.4	5.1	2.9	42
H2DX100L-6	1.5	1158	4.28	3.53	0.73	80.4	12.4	2.2	5.7	2.2	51
H2DX112M-6	2.2	1146	5.48	4.53	0.81	82.9	18.3	2.1	5.8	2.1	62
H2DX132S-6	3.0	1154	7.69	6.35	0.77	84.8	24.8	2.2	6.5	2.9	96
H2DX132MA-6	4.0	1154	10.7	8.83	0.74	84.6	33.1	2.3	6.6	2.6	107
H2DX132MB-6	5.5	1146	12.9	10.7	0.82	87.0	45.8	2.4	6.5	2.6	115
H2DX160M-6	7.5	1157	16.9	14.0	0.85	87.2	61.9	2.0	5.8	2.9	140
H2DX160L-6	11	1158	24.6	20.4	0.84	88.9	90.7	1.9	5.6	1.9	164
H2DX180L-6	15	1170	31.9	26.3	0.86	91.5	122.4	2.2	7.8	2.8	225
H2DX200LA-6	18.5	1172	39.3	32.5	0.87	90.5	150.7	2.3	7.7	3.3	285
H2DX200LB-6	22	1175	45.1	37.2	0.89	91.7	178.8	2.1	7.8	2.8	300
H2DX225M-6	30	1178	62.6	51.7	0.86	93.2	243.1	2.2	7.4	2.6	350
H2DX250M-6	37	1176	75.2	62.1	0.89	92.5	300.5	2.4	7.6	3.1	430
H2DX280S-6	45	1176	90.9	75.1	0.89	93.1	365.4	2.0	7.4	2.8	560
H2DX280M-6	55	1176	115.9	95.8	0.84	94.5	446.6	2.8	7.9	3.2	690
H2DX315S-6	75	1178	154.6	127.7	0.86	94.4	607.8	2.2	7.5	2.2	825
H2DX315M-6	90	1177	179.2	148.1	0.89	94.4	730.1	1.9	6.7	2.1	936
H2DX315MA-6	110	1186	224.3	185.3	0.87	94.3	886.0	2.5	6.5	2.5	1110
H2DX315LA-6	132	1182	271.5	224.3	0.86	94.6	1066.5	2.2	5.4	2.2	1140
H2DX315LB-6	160	1182	328.4	271.3	0.86	94.8	1292.7	2.0	5.4	2.0	1340
H2DX355M-6	200	1184	395.4	326.6	0.89	95.1	1612.6	2.1	6.0	2.1	1795
H2DX355L-6	250	1187	498.8	412.1	0.88	95.3	2011.7	2.5	7.0	2.5	1850



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


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Type	Nennleistung	Nenn-drehzahl	N-strom 380 V	N-strom 460 V	Leistungs-faktor	Wirkungs-grad	Bemess. Drehmom.	Anzugs-moment	Anzugs-strom	Kipp-moment	Gewicht
Type	Rated output	Rated speed	Current 380 V	Current 460 V	Power factor	Efficiency %	Rated Torque	Relative torque	Relative current	B-down Torque	Weight
Type	Puissance nominale	Vitesse nominale	Intensité 380 V	Intensité 460 V	Facteur de puissance	Rendement %	Couple nominal	Couple démarrage	Courant démarrage	Couple maximal	Masse
	KW	1 / min	A	A	cos $\varphi$	%	Nm	MA / MN	la / ln	MK / MN	kg

**8 Polig / 8 Poles / 8 Pôles**

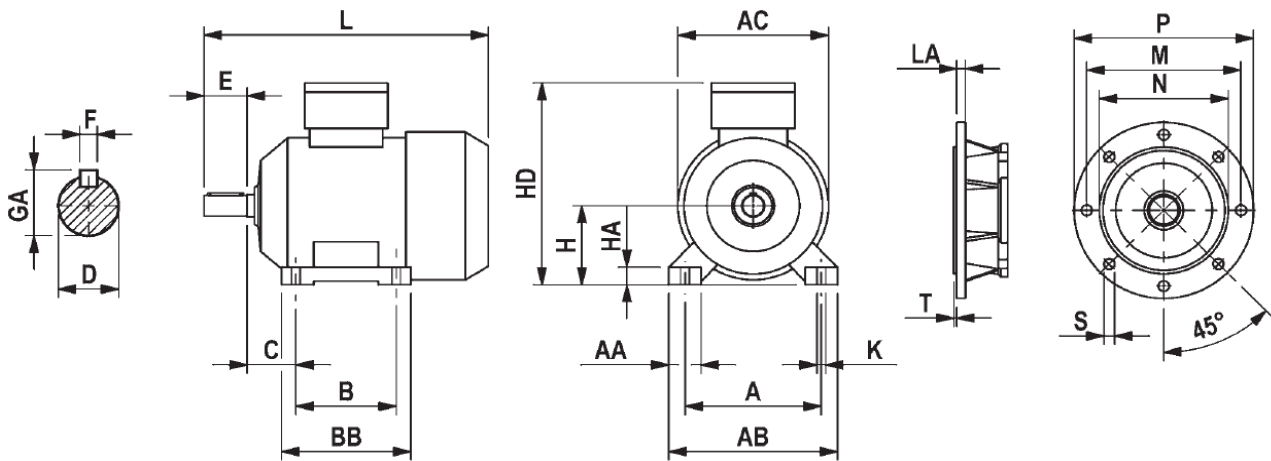
HDX71A-8	0.09	756	0.52	0.43	0.58	50.0	1.14	3.0	2.9	3.3	16
HDX80A-8	0.18	792	0.93	0.77	0.61	53.0	2.17	3.1	2.9	3.3	22
HDX80B-8	0.25	804	1.05	0.87	0.64	62.0	2.97	3.2	3.0	3.3	24
HDX90S-8	0.37	816	1.49	1.23	0.63	66.0	4.33	2.9	3.0	3.1	31
HDX90L-8	0.55	828	1.99	1.64	0.69	67.0	6.34	2.8	3.3	3.0	34
HDX100LA-8	0.75	840	2.60	2.15	0.69	70.0	8.53	2.0	3.8	2.3	43
HDX100LB-8	1.1	846	3.74	3.09	0.68	72.4	12.4	2.0	4.1	2.3	48
HDX112M-8	1.5	870	4.73	3.91	0.71	74.7	16.5	1.4	4.5	1.9	58
HDX132S-8	2.2	852	6.60	5.46	0.71	78.5	24.7	1.8	5.2	2.1	90
HDX132M-8	3.0	854	8.39	6.93	0.73	82.0	33.5	1.8	5.8	1.8	110
HDX160MA-8	4.0	864	11.8	9.8	0.69	82.0	44.2	2.0	4.5	2.0	130
HDX160MB-8	5.5	864	15.7	12.9	0.70	84.0	60.8	2.1	5.2	2.2	140
HDX160L-8	7.5	864	21.1	17.4	0.70	85.0	82.9	2.0	5.0	2.1	160
HDX180L-8	11	864	28.2	23.3	0.76	86.0	121.6	1.8	5.0	1.9	225
HDX200L-8	15	864	35.7	29.5	0.79	89.1	165.8	2.0	5.2	2.3	300
HDX225S-8	18.5	864	42.4	35.0	0.81	90.1	204.5	1.8	6.5	2.2	345
HDX225M-8	22	864	49.3	40.8	0.82	91.0	243.2	1.8	6.5	2.0	350
HDX250M-8	30	876	68.1	56.3	0.81	91.0	327.1	2.2	6.5	2.3	430
HDX280S-8	37	876	85.0	70.3	0.80	91.0	403.4	1.8	4.9	1.9	560
HDX280M-8	45	876	102.3	84.5	0.80	92.0	490.6	2.1	6.2	2.5	690
HDX315S-8	55	876	122.8	101.5	0.81	92.5	599.6	1.8	5.9	1.9	800
HDX315MA-8	75	882	164.6	135.9	0.82	93.0	812.1	1.8	5.5	2.0	880
HDX315MB-8	90	882	210.1	173.5	0.77	93.1	974.5	1.8	5.9	2.0	1110
HDX315LA-8	110	882	252.9	208.9	0.78	93.3	1191.0	1.8	5.9	2.0	1200
HDX315LB-8	132	882	302.9	250.2	0.78	93.5	1429.3	1.8	5.5	2.0	1280
HDX355M-8	160	887	339.5	280.5	0.83	95.0	1723.0	2.0	6.0	2.0	1795
HDX355L-8	200	887	424.0	350.2	0.83	95.1	2153.8	2.0	5.5	2.0	1875





## Overall mounting dimensions for H2DX series of three-phase explosion-proof motors.

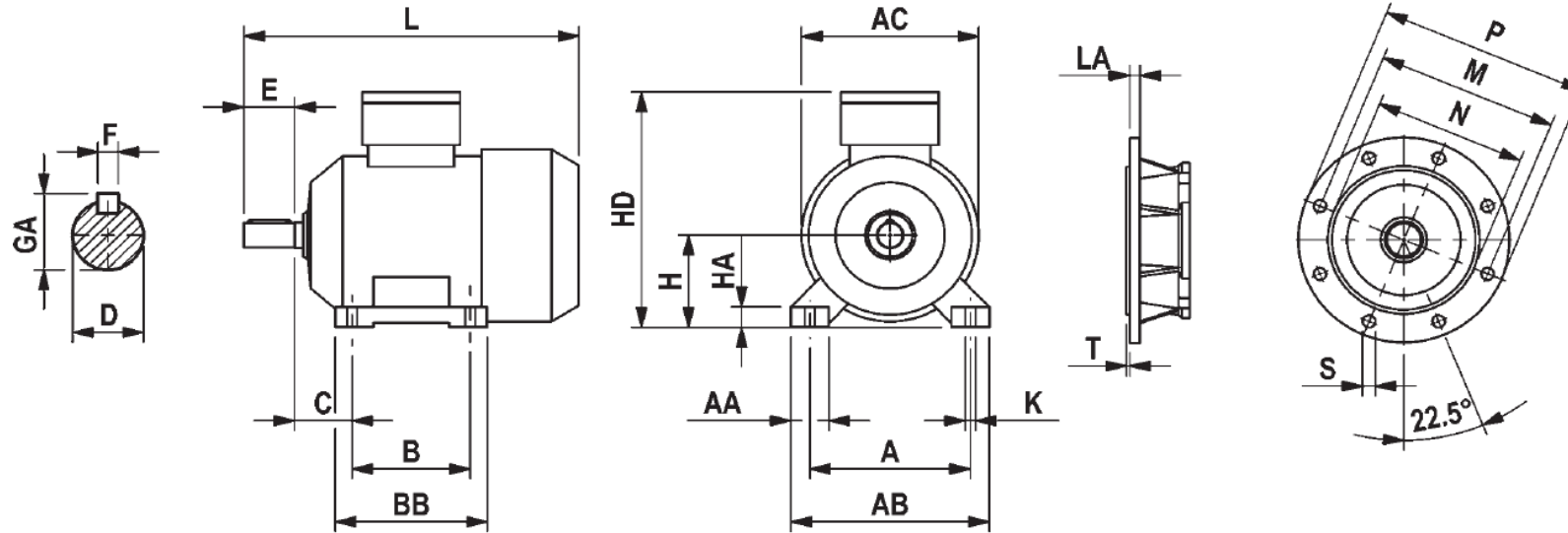
Frame size 80-200



IEC Type / Typ	Pole	Frame / Gehäuse										Shaft / Welle					
H	B	A	HA	BB	AB	K	AA	AC	L	HD	C	D	E	GA	F	LA	
H2DX80A-2-8	100	125	10	130	160	10	35	158	315	254	50	19	40	21.5	6	10	
H2DX80B-2-8	100	125	10	130	160	10	35	158	315	254	50	19	40	21.5	6	10	
H2DX90S-2-8	100	140	12	140	175	10	35	177	361	272	56	24	50	27	8	12	
H2DX90L-2-8	125	140	12	165	175	10	35	177	361	272	56	24	50	27	8	12	
H2DX100LA-2-8	140	160	14	180	205	12	45	199	412	307	63	28	60	31	8	12	
H2DX100LB-2-8	140	160	14	180	205	12	45	199	437	307	63	28	60	31	8	12	
H2DX112M-2-8	140	190	15	180	235	12	45	221	456	332	70	28	60	31	8	12	
H2DX132S-2-8	140	216	18	186	264	12	48	263	523	400	89	38	80	41	10	12	
H2DX132M-2-8	178	216	18	224	264	12	48	263	570	400	89	38	80	41	10	12	
H2DX160M-2-8	210	254	19.5	260	314	15	60	317	660	471	108	42	110	45	12	15	
H2DX160L-2-8	254	254	19.5	304	314	15	60	317	660	471	108	42	110	45	12	15	
H2DX180M-2-8	241	279	22	301	350	15	71	357	730	507	121	48	110	51.5	14	15	
H2DX180L-2-8	279	279	22	339	350	15	71	357	730	507	121	48	110	52	14	15	
H2DX200L-2-8	305	318	25	375	388	19	70	396	803	573	133	55	110	59	16	17	

IEC Type / Typ	Flange / Flansch B5					Flange / Flansch B14					Flange / Flansch B14 (B24)				
H	P	N	M	T	S	P	N	M	T	S	P	N	M	T	S
H2DX80A-2-8	200	130	165	3.5	12	160	110	130	3.5	M8	120	80	100	3	M6
H2DX80B-2-8	200	130	165	3.5	12	160	110	130	3.5	M8	120	80	100	3	M6
H2DX90S-2-8	200	130	165	4	12	160	110	130	3.5	M8	120	80	100	3	M6
H2DX90L-2-8	200	130	165	4	12	160	110	130	3.5	M8	120	80	100	3	M6
H2DX100LA-2-8	250	180	215	4	14.5	200	130	165	3.5	M10	160	110	130	3.5	M8
H2DX100LB-2-8	250	180	215	4	15	200	130	165	3.5	M10	160	110	130	3.5	M8
H2DX112M-2-8	250	180	215	4	14.5	200	130	165	3.5	M10	160	110	130	3.5	M8
H2DX132S-2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
H2DX132M-2-8	300	230	265	4	15	250	180	215	4	M12	200	130	165	3.5	M10
H2DX160M-2-8	350	250	300	5	19	300	230	265	4	M12					
H2DX160L-2-8	350	250	300	5	19	300	230	265	4	M12					
H2DX180M-2-8	350	250	300	5	19										
H2DX180L-2-8	350	250	300	5	19										
H2DX200L-2-8	400	300	350	5	19										

Overall mounting dimensions for H2DX series of three-phase explosion-proof motors.  
Frame size 225-355



Type / Typ		Pole	Frame / Gehäuse								Shaft / Welle						Flange / Flansch B5						
H2DX			B	A	HA	BB	AB	K	AA	AC	L	HD	C	D	E	GA	F	LA	P	N	M	T	S
225	S	4-8	286	356	28	374	488	19	79	446	915	635	149	60	140	64	18	20	450	350	400	5	19
225	M	2	311	356	28	400	435	19	79	446	915	635	149	55	110	59	16	20	450	350	400	5	19
225	M	4-8	311	356	28	400	435	19	79	446	915	635	149	60	140	64	18	20	450	350	400	5	19
250	M	2	349	406	30	445	486	24	82.5	446	965	660	168	60	140	64	18	22	550	450	500	5	19
250	M	4-8	349	406	30	445	486	24	82.5	446	965	660	168	65	140	69	18	22	550	450	500	5	19
280	S	2	386	457	35	470	542	24	91	500	1042	758	190	65	140	69	20	22	550	450	500	5	19
280	S	4-8	386	457	35	470	542	24	91	500	1042	758	190	75	140	79.5	20	22	550	450	500	5	19
280	M	2	419	457	35	521	542	24	91	500	1082	758	190	65	140	69	20	22	550	450	500	5	19
280	M	4-8	419	457	35	521	542	24	91	500	1082	758	190	75	140	79.5	20	22	550	450	500	5	19
315	S	2	406	508	45	570	630	28	120	560	1190	826	216	65	140	69	18	22	660	550	600	6	24
315	S	4-8	406	508	45	570	630	28	120	560	1220	826	216	80	170	85	22	22	660	550	600	6	24
315	M	2	457	508	45	680	630	28	120	560	1230	826	216	65	140	69	18	22	660	550	600	6	24
315	M	4-8	457	508	45	680	630	28	120	560	1260	826	216	80	170	85	22	22	660	550	600	6	24
315	L	2	508	508	45	680	630	28	120	620	1290	857	216	65	140	69	18	22	660	550	600	6	24
315	L	4-8	508	508	45	680	630	28	120	620	1350	857	216	80	170	85	22	22	660	550	600	6	24
355	M	2	560	610	52	760	730	28	116	705	1490	960	254	75	140	79.5	20	25	800	680	740	6	24
355	M	4-8	560	610	52	760	730	28	116	705	1560	960	254	95	170	100	25	25	800	680	740	6	24
355	L	2	630	610	52	760	730	28	116	705	1570	960	254	75	130	79.5	20	25	800	680	740	6	24
355	L	4-8	630	610	52	760	730	28	116	705	1640	960	254	95	170	100	25	25	800	680	740	6	24