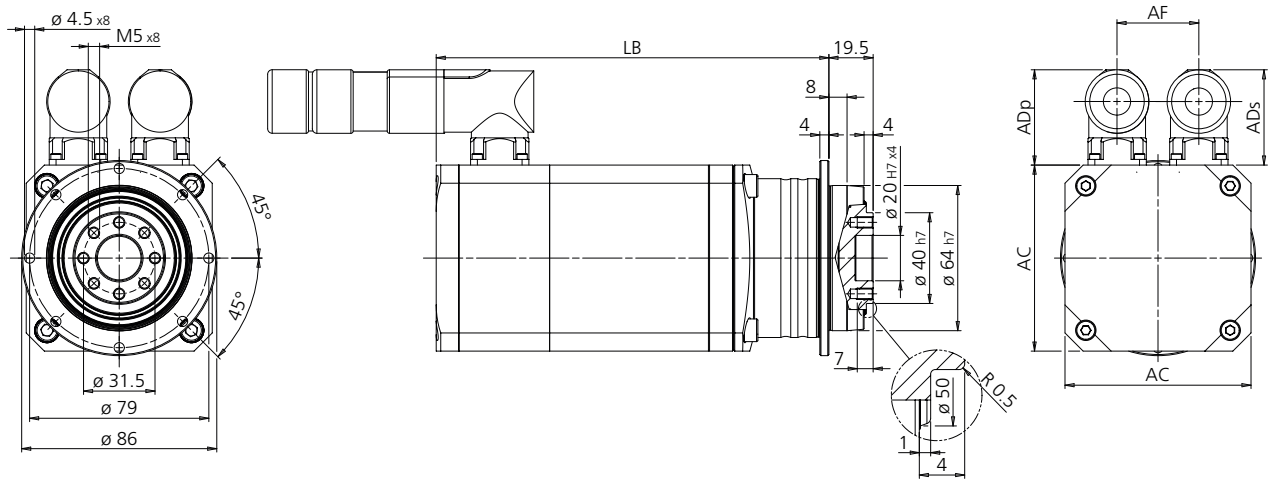
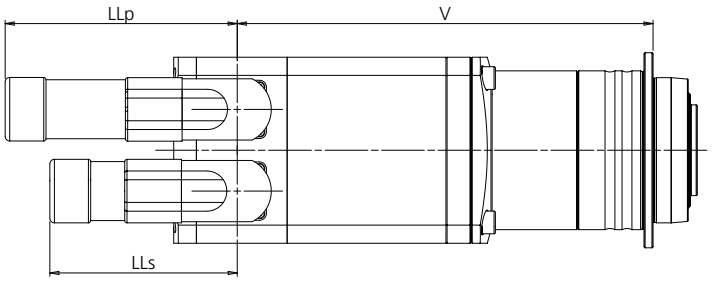
BMS F 060
Dimensions and technical data





DIMENSION LB	Variants	
LB2	RES1 / RES2	
LB3	RES1 / RES2	F24 / F1
LB4	ENB1 / ENB2	
LB5	ENB3...ENB6	
LB6	ENB1 / ENB2	F24 / F1
LB7	ENB3...ENB6	F24 / F1

DIMENSION V	Variants	
V8	RES1 / RES2 ENB1...ENB6	
V9	RES1 / RES2	F24 / F1
V10	ENB1 / ENB2	F24 / F1
11	ENB5...ENB6	F24 / F1

Motor size	AC	LB2	LB3	LB4	LB5	LB6	LB7	ADp	ADs	AF	LLp	LLs	V8	V9	V10	V11
BMS 060 - 4… 10 - 1 STAGE																
065A	65	137	168	155	155	204	204	42	42	32	102	83	114	114	163	163
065B		160	191	178	178	227	227	42	42	32	102	83	137	137	186	186
082B	82	173	213	196	173	236	236	42	42	36	102	83	145	145	208	208
082C		193	233	216	193	256	256	42	42	36	102	83	165	165	228	228
BMS 060 - 16… 100 - 2 STAGE																
065A	65	175	206	193	193	242	242	42	42	32	102	83	114	114	163	163
065B		198	229	216	216	265	265	42	42	32	102	83	137	137	186	186
082B	82	211	251	234	211	274	274	42	42	36	102	83	183	183	246	246
082C		231	271	254	231	294	294	42	42	36	102	83	203	203	266	266

Gear motor stages	i	φ_s ≤	φ_r ≤	R_{2max}	A_{2max}
		[arcmin]		[N]	[N]
1	4… 10	5'	3'	2400	4300
2	16… 35	7'	5'	2400	4300

BMS F 060

Performance data • Base overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 060 B 35 065A	400	86	106	28	30	45	80	0.72	0.76	1.23	2.18	12	0.28	3.9	7.4
	230							1.16	1.23	1.97	3.50				
BMS F 060 B 28 065A	400	107	125	22	24	45	71	0.72	0.76	1.53	2.43	12	0.28	3.9	8.3
	230							1.16	1.23	2.46	3.90				
BMS F 060 B 25 065A	400	120	124	20	21	45	64	0.72	0.76	1.72	2.43	12	0.31	3.9	8.8
	230							1.16	1.23	2.75	3.90				
BMS F 060 B 20 065A	400	150	130	16	17	45	51	0.72	0.76	2.14	2.43	12	0.33	3.9	10
	230							1.16	1.23	3.44	3.90				
BMS F 060 B 16 065A	400	188	156	13	14	41	41	0.72	0.76	2.43	2.43	12	0.34	3.9	11
	230							1.16	1.23	3.90	3.90				
BMS F 060 B 16 065B	400	188	194	26	27	45	78	1.33	1.35	2.64	4.60	12	0.54	4.5	20
	230							2.30	2.30	4.59	8.00				
BMS F 060 B 10 065A	400	300	250	8.0	9.0	26	26	0.72	0.76	2.43	2.43	12	0.27	2.9	17
	230							1.16	1.23	3.90	3.90				
BMS F 060 B 10 065B	400	300	300	16	17	30	49	1.33	1.35	2.82	4.60	12	0.47	3.5	32
	230							2.30	2.30	4.90	8.00				
BMS F 060 B 7 065B	400	429	286	11	12	34	34	1.33	1.35	4.56	4.56	12	0.49	3.5	46
	230							2.30	2.30	7.93	7.93				
BMS F 060 B 7 082B	400	429	443	21	22	38	59	2.50	2.60	5.68	8.83	12	1.49	5.1	28
	230							4.30	4.50	9.90	15.4				
BMS F 060 B 5 065B	400	600	400	8.0	9.0	25	25	1.33	1.35	4.60	4.60	13	0.53	3.5	65
	230							2.30	2.30	8.00	8.00				
BMS F 060 B 5 082B	400	600	440	15	16	43	43	2.50	2.60	8.90	8.90	13	1.53	5.1	39
	230							4.3	4.5	15.5	15.5				
BMS F 060 B 5 082C	400	600	560	19	22	45	58	2.90	3.30	7.75	9.90	13	1.83	6.2	49
	230							5.10	5.80	13.6	17.4				
BMS F 060 B 4 082B	400	750	550	12	13	34	34	2.50	2.60	8.90	8.90	13	1.58	5.1	47
	230							4.30	4.50	15.5	15.5				
BMS F 060 B 4 082C	400	750	575	15	18	45	46	2.90	3.30	9.68	9.90	13	1.88	6.2	59
	230							5.10	5.80	17.0	17.4				

BMS F 060

Performance data • Medium overspeed

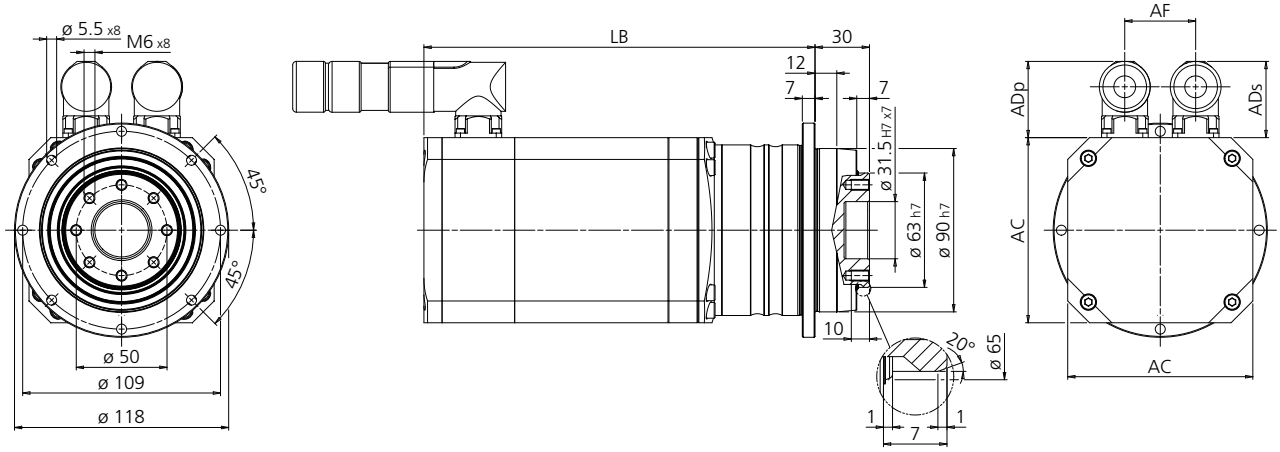
Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 060 M 35 065A	400	129	142	27	30	45	80	0.88	0.98	1.56	2.78	12	0.28	3.9	7.4
	230							1.74	1.90	3.13	5.56				
BMS F 060 M 28 065A	400	161	161	21	24	45	71	0.88	0.98	1.95	3.10	12	0.28	3.9	8.3
	230							1.74	1.90	3.91	6.20				
BMS F 060 M 25 065A	400	180	164	19	21	45	64	0.88	0.98	2.19	3.10	12	0.31	3.9	8.8
	230							1.74	1.90	4.38	6.20				
BMS F 060 M 20 065A	400	225	175	15	17	45	51	0.88	0.98	2.74	3.10	12	0.33	3.9	10
	230							1.74	1.90	5.47	6.20				
BMS F 060 M 16 065A	400	281	188	12	14	41	41	0.88	0.98	3.10	3.10	12	0.34	3.9	11
	230							1.74	1.90	6.20	6.20				
BMS F 060 M 16 065B	400	281	312	24	27	45	78	1.85	1.98	3.85	6.70	12	0.54	4.5	20
	230							3.20	3.40	6.60	11.5				
BMS F 060 M 10 065A	400	400	300	7.6	9.0	26	26	0.88	0.98	3.10	3.10	12	0.27	2.9	17
	230							1.74	1.90	6.20	6.20				
BMS F 060 M 10 065B	400	400	500	15	17	30	49	1.85	1.98	4.10	6.70	12	0.47	3.5	32
	230							3.20	3.40	7.04	11.5				
BMS F 060 M 7 065B	400	571	500	11	12	34	34	1.85	1.98	6.64	6.64	12	0.49	3.5	46
	230							3.20	3.40	11.4	11.4				
BMS F 060 M 7 082B	400	571	714	20	22	38	59	3.40	3.90	8.43	13.1	12	1.49	5.1	28
	230							5.30	6.00	13.2	20.4				
BMS F 060 M 5 065B	400	700	700	7.6	9.0	25	25	1.85	1.98	6.70	6.70	13	0.53	3.5	65
	230							3.20	3.40	11.5	11.5				
BMS F 060 M 5 082B	400	700	700	14	16	43	43	3.40	3.90	13.2	13.2	13	1.53	5.1	39
	230							5.30	6.00	20.6	20.6				
BMS F 060 M 5 082C	400	700	800	18	22	45	58	3.90	4.80	11.3	14.4	13	1.83	6.2	49
	230							6.80	8.40	19.6	25.1				
BMS F 060 M 4 082B	400	875	875	11	13	34	34	3.40	3.90	13.2	13.2	13	1.58	5.1	47
	230							5.30	6.00	20.6	20.6				
BMS F 060 M 4 082C	400	875	875	14	18	45	46	3.90	4.80	14.1	14.4	13	1.88	6.2	59
	230							6.80	8.40	24.6	25.1				

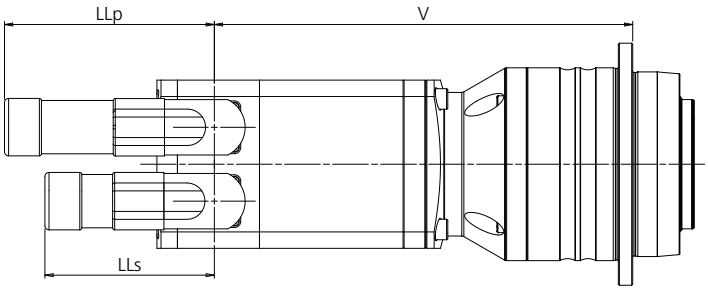
BMS F 060

Performance data • High overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 060 H 35 065A	400	129	171	27	30	45	80	1.21	1.38	2.22	3.94	12	0.28	3.9	7.4
	230							2.09	2.39	3.88	6.90				
BMS F 060 H 28 065A	400	161	214	21	24	45	71	1.21	1.38	2.77	4.40	12	0.28	3.9	8.3
	230							2.09	2.39	4.85	7.70				
BMS F 060 H 25 065A	400	180	240	19	21	45	64	1.21	1.38	3.11	4.40	12	0.31	3.9	8.8
	230							2.09	2.39	5.44	7.70				
BMS F 060 H 20 065A	400	225	250	15	17	45	51	1.21	1.38	3.88	4.40	12	0.33	3.9	10
	230							2.09	2.39	6.79	7.70				
BMS F 060 H 16 065A	400	281	281	12	14	41	41	1.21	1.38	4.40	4.40	12	0.34	3.9	11
	230							2.09	2.39	7.70	7.70				
BMS F 060 H 16 065B	400	281	375	24	27	45	78	2.43	2.68	5.22	9.10	12	0.54	4.5	20
	230							4.20	4.70	9.13	15.9				
BMS F 060 H 10 065A	400	400	450	7.6	9.0	26	26	1.21	1.38	4.40	4.40	12	0.27	2.9	17
	230							2.09	2.39	7.70	7.70				
BMS F 060 H 10 065B	400	400	600	15	17	30	49	2.43	2.68	5.57	9.10	12	0.47	3.5	32
	230							4.20	4.70	9.73	15.9				
BMS F 060 H 7 065B	400	571	714	11	12	34	34	2.43	2.68	9.02	9.02	12	0.49	3.5	46
	230							4.20	4.70	15.8	15.8				
BMS F 060 H 7 082B	400	571	857	20	22	38	59	4.30	5.20	11.3	17.6	12	1.49	5.1	28
	230							7.60	9.00	19.8	30.7				
BMS F 060 H 5 065B	400	700	1000	7.6	9.0	25	25	2.43	2.68	9.10	9.10	13	0.53	3.5	65
	230							4.20	4.70	15.9	15.9				
BMS F 060 H 5 082B	400	700	1000	14	16	43	43	4.30	5.20	17.7	17.7	13	1.53	5.1	39
	230							7.60	9.00	31.0	31.0				
BMS F 060 H 5 082C	400	700	1100	18	22	45	58	4.50	6.20	14.6	18.6	13	1.83	6.2	49
	230							7.60	10.6	25.0	32.0				
BMS F 060 H 4 082B	400	875	1250	11	13	34	34	4.30	5.20	17.7	17.7	13	1.58	5.1	47
	230							7.60	9.00	31.0	31.0				
BMS F 060 H 4 082C	400	875	1175	14	18	45	46	4.50	6.20	18.2	18.6	13	1.88	6.2	59
	230							7.60	10.6	31.3	32.0				

BMS F 070
Dimensions and technical data





DIMENSION LB		
	Variants	
LB2	RES1 / RES2	
LB3	RES1 / RES2	F24 / F1
LB4	ENB1 / ENB2	
LB5	ENB3...ENB6	
LB6	ENB1 / ENB2	F24 / F1
LB7	ENB3...ENB6	F24 / F1

DIMENSION V		
	Variants	
V8	RES1 / RES2 ENB1...ENB6	
V9	RES1 / RES2	F24 / F1
V10	ENB1 / ENB2	F24 / F1
11	ENB5...ENB6	F24 / F1

Motor size	AC	LB2	LB3	LB4	LB5	LB6	LB7	ADp	ADs	AF	LLp	LLs	V8	V9	V10	V11
BMS 070 - 4… 10 - 1 STAGE																
102 A	102	189	229	212	189	252	229	42	42	39	102	83	159	159	199	199
102 B		216	256	239	216	279	256	42	42	39	102	83	186	186	226	226
102 C		243	283	266	243	306	283	42	42	39	102	83	213	213	253	253
118 B	118	243	293	268	243	318	293	42	42	50	102	83	208	258	258	258
118 C		276	326	301	276	351	326	42	42	50	102	83	241	291	291	291
BMS 070 - 16… 100 - 2 STAGE																
065 A	65	195	226	213	213	262	262	42	42	32	102	83	172	172	221	221
065 B		218	249	236	236	285	285	42	42	32	102	83	195	195	244	244
082 B	82	232	272	255	232	295	295	42	42	36	102	83	204	204	267	267
082 C		252	292	275	252	315	315	42	42	36	102	83	224	224	287	287

Gear motor stages	i	φ_s ≤	φ_r	R_{2max}	A_{2max}
		[arcmin]		[N]	[N]
1	4… 10	5'	3'	4400	4300
2	16… 70	7'	5'	4400	4300

BMS F 070

Performance data • Base overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 070 B 70 065A	400	43	53	56	60	90	160	0.72	0.76	1.23	2.18	29	0.13	6.9	9.4
	230							1.16	1.23	1.97	3.50				
BMS F 070 B 50 065A	400	60	60	40	43	100	128	0.72	0.76	1.91	2.43	29	0.13	6.9	11
	230							1.16	1.23	3.06	3.90				
BMS F 070 B 40 065A	400	75	63	32	34	100	102	0.72	0.76	2.38	2.43	29	0.14	6.9	13
	230							1.16	1.23	3.82	3.90				
BMS F 070 B 40 065B	400	75	85	64	68	100	180	1.33	1.35	2.35	4.22	29	0.34	7.5	25
	230							2.30	2.30	4.08	7.35				
BMS F 070 B 35 065A	400	86	71	28	30	89	89	0.72	0.76	2.42	2.42	29	0.15	6.9	14
	230							1.16	1.23	3.89	3.89				
BMS F 070 B 35 065B	400	86	86	56	60	100	172	1.33	1.35	2.68	4.60	29	0.35	7.5	26
	230							2.30	2.30	4.66	8.00				
BMS F 070 B 28 065A	400	107	89	22	24	71	71	0.72	0.76	2.42	2.43	29	0.16	6.9	15
	230							1.16	1.23	3.88	3.90				
BMS F 070 B 28 065B	400	107	89	45	48	100	137	1.33	1.35	3.35	4.60	29	0.36	7.5	29
	230							2.30	2.30	5.83	8.00				
BMS F 070 B 25 065A	400	120	100	20	21	64	64	0.72	0.76	2.43	2.43	29	0.18	6.9	16
	230							1.16	1.23	3.90	3.90				
BMS F 070 B 25 065B	400	120	96	40	43	100	123	1.33	1.35	3.76	4.60	29	0.38	7.5	31
	230							2.30	2.30	6.53	8.00				
BMS F 070 B 20 065B	400	150	100	32	34	98	98	1.33	1.35	4.60	4.60	29	0.42	7.5	35
	230							2.30	2.30	8.00	8.00				
BMS F 070 B 20 082B	400	150	160	60	64	100	170	2.50	2.60	5.24	8.90	29	1.42	9.1	30
	230							4.30	4.50	9.12	15.5				
BMS F 070 B 16 065B	400	188	125	26	27	78	78	1.33	1.35	4.58	4.58	29	0.44	7.5	39
	230							2.30	2.30	7.96	7.96				
BMS F 070 B 16 082B	400	188	175	48	51	100	136	2.50	2.60	6.54	8.90	29	1.44	9.1	34
	230							4.30	4.50	11.4	15.5				
BMS F 070 B 16 082C	400	188	200	61	70	100	180	2.90	3.30	5.38	9.68	29	1.74	10	43
	230							5.10	5.80	9.46	17.0				
BMS F 070 B 10 102A	400	300	320	34	40	60	110	2.80	3.30	5.56	10.2	29	2.10	8.6	7.7
	230							4.82	5.68	9.60	17.6				
BMS F 070 B 7 102A	400	429	300	24	28	77	147	2.80	3.30	10.2	10.2	30	2.19	8.6	11
	230							4.82	5.68	17.6	17.6				
BMS F 070 B 7 102B	400	429	457	47	50	90	147	5.40	5.50	12.2	20.0	30	3.69	10	20
	230							9.50	9.70	21.4	35.0				
BMS F 070 B 7 102C	400	429	500	60	60	90	160	5.80	6.50	9.64	17.1	30	4.99	12	26
	230							10.2	12.0	17.0	30.2				
BMS F 070 B 5 102A	400	600	420	17	20	55	105	2.80	3.30	10.2	10.2	31	2.36	8.6	15
	230							4.82	5.68	17.6	17.6				
BMS F 070 B 5 102B	400	600	440	34	36	100	105	5.40	5.50	19.0	20.0	31	3.86	10	28
	230							9.50	9.70	33.3	35.0				
BMS F 070 B 5 118B	400	600	640	48	51	100	150	7.90	8.00	18.7	28.0	31	8.26	14	38
	230							13.5	14.0	32.0	48.0				
BMS F 070 B 5 118C	400	600	680	61	70	100	180	8.40	10.0	16.4	29.5	31	10.4	16	52
	230							14.0	16.0	27.2	48.9				
BMS F 070 B 4 102B	400	750	550	27	29	84	105	5.40	5.50	20.0	20.0	32	4.06	10	35
	230							9.50	9.70	35.0	35.0				
BMS F 070 B 4 118B	400	750	750	38	41	100	120	7.90	8.00	23.3	28.0	32	8.46	14	51
	230							13.5	14.0	40.0	48.0				
BMS F 070 B 4 118C	400	750	775	49	56	100	156	8.40	10.0	20.5	32.0	32	10.6	16	65
	230							14.0	16.0	34.0	53.0				

BMS F 070

Performance data • Medium overspeed

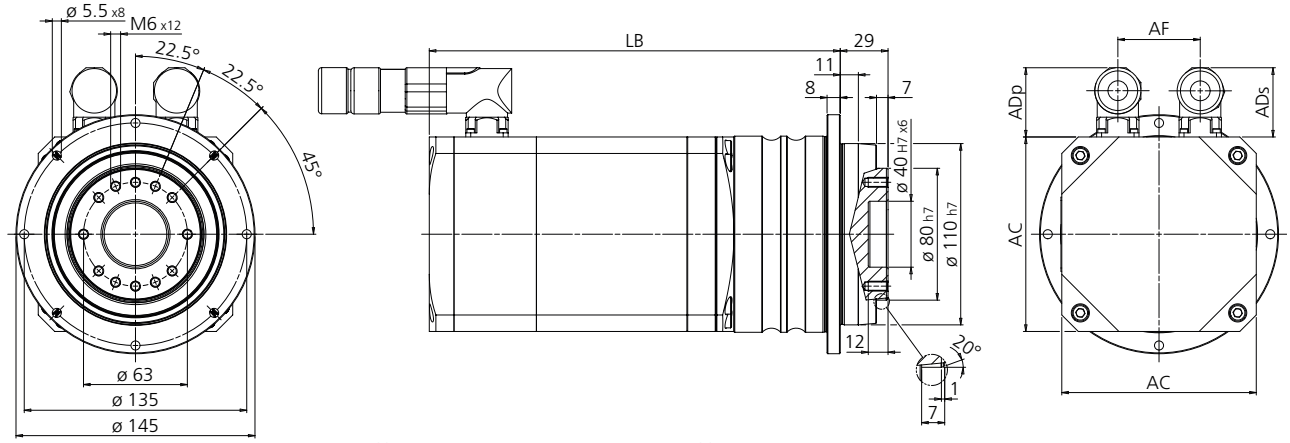
Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 070 M 70 065A	400	57	71	55	60	90	160	0.88	0.98	1.56	2.78	29	0.13	6.9	9.4
	230							1.74	1.90	3.13	5.56				
BMS F 070 M 50 065A	400	70	80	39	43	100	128	0.88	0.98	2.43	3.10	29	0.13	6.9	11
	230							1.74	1.90	4.86	6.20				
BMS F 070 M 40 065A	400	88	75	31	34	100	102	0.88	0.98	3.04	3.10	29	0.14	6.9	13
	230							1.74	1.90	6.08	6.20				
BMS F 070 M 40 065B	400	88	130	62	68	100	180	1.85	1.98	3.42	6.15	29	0.34	7.5	25
	230							3.20	3.40	5.87	10.6				
BMS F 070 M 35 065A	400	100	86	27	30	89	89	0.88	0.98	3.09	3.09	29	0.15	6.9	14
	230							1.74	1.90	6.18	6.18				
BMS F 070 M 35 065B	400	100	143	55	60	100	172	1.85	1.98	3.91	6.70	29	0.35	7.5	26
	230							3.20	3.40	6.71	11.5				
BMS F 070 M 28 065A	400	125	107	22	24	71	71	0.88	0.98	3.08	3.10	29	0.16	6.9	15
	230							1.74	1.90	6.17	6.20				
BMS F 070 M 28 065B	400	125	161	44	48	100	137	1.85	1.98	4.88	6.70	29	0.36	7.5	29
	230							3.20	3.40	8.38	11.5				
BMS F 070 M 25 065A	400	140	120	20	21	64	64	0.88	0.98	3.10	3.10	29	0.18	6.9	16
	230							1.74	1.90	6.20	6.20				
BMS F 070 M 25 065B	400	140	160	39	43	100	123	1.85	1.98	5.47	6.70	29	0.38	7.5	31
	230							3.20	3.40	9.39	11.5				
BMS F 070 M 20 065B	400	175	175	31	34	98	98	1.85	1.98	6.70	6.70	29	0.42	7.5	35
	230							3.20	3.40	11.5	11.5				
BMS F 070 M 20 082B	400	175	250	58	64	100	170	3.40	3.90	7.76	13.2	29	1.42	9.1	30
	230							5.30	6.00	12.1	20.6				
BMS F 070 M 16 065B	400	219	219	25	27	78	78	1.85	1.98	6.67	6.67	29	0.44	7.5	39
	230							3.20	3.40	11.4	11.4				
BMS F 070 M 16 082B	400	219	281	46	51	100	136	3.40	3.90	9.71	13.2	29	1.44	9.1	34
	230							5.30	6.00	15.1	20.6				
BMS F 070 M 16 082C	400	219	313	59	70	100	180	3.90	4.80	7.83	14.1	29	1.74	10	43
	230							6.80	8.40	13.6	24.6				
BMS F 070 M 10 102A	400	350	510	33	40	60	110	3.80	4.90	8.18	15.0	29	2.10	8.6	7.7
	230							6.88	8.82	14.9	27.3				
BMS F 070 M 7 102A	400	500	500	23	28	77	147	3.80	4.90	15.0	15.0	30	2.19	8.6	11
	230							6.88	8.82	27.3	27.3				
BMS F 070 M 7 102B	400	500	714	45	50	90	147	7.50	8.30	18.4	30.0	30	3.69	10	20
	230							12.6	14.0	31.2	51.0				
BMS F 070 M 7 102C	400	500	714	57	60	90	160	7.80	9.70	14.2	25.3	30	4.99	12	26
	230							13.5	17.0	24.8	44.1				
BMS F 070 M 5 102A	400	600	700	17	20	55	105	3.80	4.90	15.0	15.0	31	2.36	8.6	15
	230							6.88	8.82	27.3	27.3				
BMS F 070 M 5 102B	400	600	800	32	36	100	105	7.50	8.30	28.6	30.0	31	3.86	10	28
	230							12.6	14.0	48.6	51.0				
BMS F 070 M 5 118B	400	600	1000	46	51	100	150	10.2	12.0	26.7	40.0	31	8.26	14	38
	230							18.3	21.0	48.7	73.0				
BMS F 070 M 5 118C	400	600	1000	58	70	100	180	10.9	14.0	24.1	43.4	31	10.4	16	52
	-							-	-	-	-				
BMS F 070 M 4 102B	400	750	760	26	29	84	105	7.50	8.30	30.0	30.0	32	4.06	10	35
	230							12.6	14.0	51.0	51.0				
BMS F 070 M 4 118B	400	750	1125	36	41	100	120	10.2	12.0	33.3	40.0	32	8.46	14	51
	230							18.3	21.0	60.8	73.0				
BMS F 070 M 4 118C	400	750	1125	46	56	100	156	10.9	14.0	30.1	47.0	32	10.6	16	65
	-							-	-	-	-				

BMS F 070

Performance data • High overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 070 H 70 065A	400	57	86	55	60	90	160	1.21	1.38	2.22	3.94	29	0.13	6.9	9.4
	230							2.09	2.39	3.88	6.90				
BMS F 070 H 50 065A	400	70	110	39	43	100	128	1.21	1.38	3.45	4.40	29	0.13	6.9	11
	230							2.09	2.39	6.04	7.70				
BMS F 070 H 40 065A	400	88	105	31	34	100	102	1.21	1.38	4.31	4.40	29	0.14	6.9	13
	230							2.09	2.39	7.55	7.70				
BMS F 070 H 40 065B	400	88	150	62	68	100	180	2.43	2.68	4.64	8.36	29	0.34	7.5	25
	230							4.20	4.70	8.11	14.6				
BMS F 070 H 35 065A	400	100	120	27	30	89	89	1.21	1.38	4.39	4.39	29	0.15	6.9	14
	230							2.09	2.39	7.68	7.68				
BMS F 070 H 35 065B	400	100	171	55	60	100	172	2.43	2.68	5.31	9.10	29	0.35	7.5	26
	230							4.20	4.70	9.27	15.9				
BMS F 070 H 28 065A	400	125	150	22	24	71	71	1.21	1.38	4.38	4.40	29	0.16	6.9	15
	230							2.09	2.39	7.66	7.70				
BMS F 070 H 28 065B	400	125	214	44	48	100	137	2.43	2.7	6.63	9.10	29	0.36	7.5	29
	230							4.20	4.70	11.6	15.9				
BMS F 070 H 25 065A	400	140	168	20	21	64	64	1.21	1.38	4.40	4.40	29	0.18	6.9	16
	230							2.09	2.39	7.70	7.70				
BMS F 070 H 25 065B	400	140	232	39	43	100	123	2.43	2.68	7.43	9.10	29	0.38	7.5	31
	230							4.20	4.70	13.0	15.9				
BMS F 070 H 20 065B	400	175	250	31	34	98	98	2.43	2.68	9.10	9.10	29	0.42	7.5	35
	230							4.20	4.70	15.9	15.9				
BMS F 070 H 20 082B	400	175	300	58	64	100	170	4.30	5.20	10.4	17.7	29	1.42	9.1	30
	230							7.60	9.00	18.2	31.0				
BMS F 070 H 16 065B	400	219	313	25	27	78	78	2.43	2.68	9.05	9.05	29	0.44	7.5	39
	230							4.20	4.70	15.8	15.8				
BMS F 070 H 16 082B	400	219	375	46	51	100	136	4.30	5.20	13.0	17.7	29	1.44	9.1	34
	230							7.60	9.00	22.8	31.0				
BMS F 070 H 16 082C	400	219	375	59	70	100	180	4.50	6.20	10.1	18.2	29	1.74	10	43
	230							7.60	10.6	17.4	31.3				
BMS F 070 H 10 102A	400	350	600	33	40	60	110	4.60	6.30	10.4	19.0	29	2.10	8.6	7.7
	230							8.29	11.4	19.1	35.1				
BMS F 070 H 7 102A	400	500	643	23	28	77	147	4.60	6.30	19.0	19.0	30	2.19	8.6	11
	230							8.29	11.4	35.1	35.1				
BMS F 070 H 7 102B	400	500	857	45	50	90	147	9.30	11.0	24.5	40.0	30	3.69	10	20
	230							15.40	18.2	40.4	66.0				
BMS F 070 H 7 102C	400	500	857	57	60	90	160	8.40	12.4	18.4	32.7	30	4.99	12	26
	230							14.80	21.8	32.1	57.1				
BMS F 070 H 5 102A	400	600	900	17	20	55	105	4.60	6.30	19.0	19.0	31	2.36	8.6	15
	230							8.29	11.4	35.1	35.1				
BMS F 070 H 5 102B	400	600	1080	32	36	100	105	9.30	11.0	38.1	40.0	31	3.86	10	28
	230							15.40	18.2	62.9	66.0				
BMS F 070 H 5 118B	400	600	1200	46	51	100	150	11.40	15.8	36.7	55.0	31	8.26	14	38
	-							-	-	-	-				
BMS F 070 H 5 118C	400	600	1200	58	70	100	180	11.80	18.9	31.8	57.2	31	10.4	16	52
	-							-	-	-	-				
BMS F 070 H 4 102B	400	750	135	26	29	84	105	9.30	11.0	40.0	40.0	32	4.06	10	35
	230							15.40	18.2	66.0	66.0				
BMS F 070 H 4 118B	400	750	1500	36	41	100	120	11.40	15.8	45.8	55.0	32	8.46	14	51
	-							-	-	-	-				
BMS F 070 H 4 118C	400	750	1500	46	56	100	156	11.80	18.9	39.7	62.0	32	10.6	16	65
	-							-	-	-	-				

BMS F 090
Dimensions and technical data



DIMENSION LB		
	Variants	
LB2	RES1 / RES2	
LB3	RES1 / RES2	F24 / F1
LB4	ENB1 / ENB2	
LB5	ENB3...ENB6	
LB6	ENB1 / ENB2	F24 / F1
LB7	ENB3...ENB6	F24 / F1

DIMENSION V		
	Variants	
V8	RES1 / RES2 ENB1...ENB6	
V9	RES1 / RES2	F24 / F1
V10	ENB1 / ENB2	F24 / F1
11	ENB5...ENB6	F24 / F1

Motor size	AC	LB2	LB3	LB4	LB5	LB6	LB7	ADp	ADs	AF	LLp	LLs	V8	V9	V10	V11
BMS 090 - 4… 10 - 1 STAGE																
118 A	118	218	268	243	218	293	268	42	42	50	102	83	183	233	233	233
118 B		249	299	274	249	324	299	42	42	50	102	83	214	264	264	264
118 C		282	332	307	282	357	332	42	42	50	102	83	247	297	297	297
145 B	145	268	318	293	268	343	318	42	42	45	102	83	233	283	283	283
145 C		303	353	328	303	378	353	42	42	45	102	83	268	318	318	318
170 B	170	294	369	332	294	407	369	62	42	90	129	83	267	342	342	342
170 C		348	423	386	348	461	423	62	42	90	129	83	321	396	396	396
BMS 090 - 16… 100 - 2 STAGE																
102 A	102	237	277	260	237	300	277	42	42	39	102	83	207	207	247	247
102 B		264	304	287	264	327	304	42	42	39	102	83	234	234	274	274
102 C		291	331	314	291	354	331	42	42	39	102	83	261	261	301	301
118 B	118	292	342	317	292	367	342	42	42	50	102	83	325	325	365	365
118 C		325	375	350	325	400	375	42	42	50	102	83	352	352	392	392

Gear motor stages	i	φ_s ≤	φ_r	R_{2max}	A_{2max}
		[arcmin]		[N]	[N]
1	4… 10	5'	3'	5500	6800
2	16… 50	7'	5'	5500	6800

BMS F 090

Performance data • Base overspeed

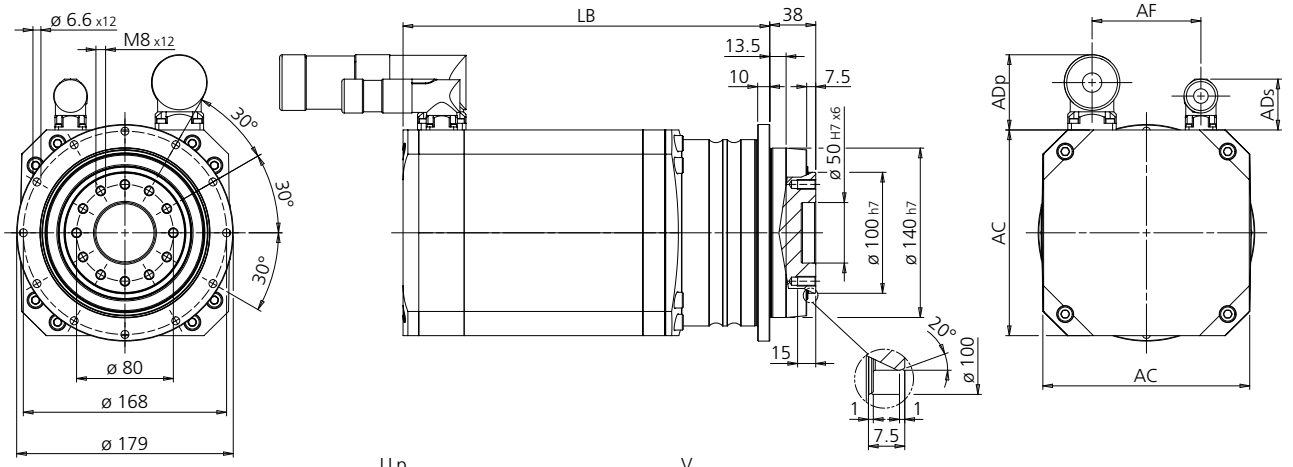
Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 090 B 50 102A	400	60	70	170	200	280	500	2.80	3.30	5.19	9.27	70	1.72	14	10
	230							4.82	5.68	8.96	16.0				
BMS F 090 B 40 102A	400	75	75	136	160	300	500	2.80	3.30	6.95	10.2	70	1.73	14	11
	230							4.82	5.68	12.0	17.6				
BMS F 090 B 35 102A	400	86	80	119	140	280	500	2.80	3.30	7.42	10.2	70	1.77	14	13
	230							4.82	5.68	12.8	17.6				
BMS F 090 B 28 102A	400	107	79	95	112	300	500	2.80	3.30	9.94	10.2	70	1.78	14	15
	230							4.82	5.68	17.1	17.6				
BMS F 090 B 28 102B	400	107	125	188	200	300	500	5.40	5.50	10.2	17.0	70	3.28	15	26
	230							9.50	9.70	17.9	29.8				
BMS F 090 B 25 102A	400	120	88	85	100	275	500	2.80	3.30	10.2	10.2	70	1.86	14	15
	230							4.82	5.68	17.6	17.6				
BMS F 090 B 25 102B	400	120	140	168	180	280	500	5.40	5.50	10.7	19.0	70	3.36	15	28
	230							9.50	9.70	18.7	33.3				
BMS F 090 B 20 102B	400	150	150	134	144	280	420	5.40	5.50	13.3	20.0	70	3.46	15	31
	230							9.50	9.70	23.3	35.0				
BMS F 090 B 20 102C	400	150	160	170	180	280	500	5.80	6.50	10.5	18.8	70	4.76	17	37
	230							10.2	12.0	18.5	33.0				
BMS F 090 B 16 102B	400	188	156	107	115	300	336	5.40	5.50	17.9	20.0	70	3.49	15	41
	230							9.50	9.70	31.3	35.0				
BMS F 090 B 16 118B	400	188	219	152	163	300	480	7.90	8.00	17.5	28.0	70	7.89	19	19
	230							13.5	14.0	30.0	48.0				
BMS F 090 B 16 118C	400	188	219	195	200	300	500	8.40	10.0	15.4	25.6	70	10.0	21	26
	230							14.0	16.0	25.5	42.5				
BMS F 090 B 10 118A	400	300	250	51	56	150	150	3.90	4.30	14.0	14.0	70	4.78	15	13
	230							6.64	7.30	23.9	23.9				
BMS F 090 B 10 118B	400	300	360	95	102	170	300	7.90	8.00	15.9	28.0	70	8.18	17	26
	230							13.5	14.0	27.2	48.0				
BMS F 090 B 7 118B	400	429	386	67	71	210	210	7.90	8.00	28.0	28.0	72	8.35	17	37
	230							13.5	14.0	48.0	48.0				
BMS F 090 B 7 118C	400	429	357	85	98	250	273	8.40	10.0	29.3	32.0	72	10.5	19	46
	230							14.0	16.0	48.5	53.0				
BMS F 090 B 7 145B	400	429	400	112	118	250	322	12.5	13.0	38.8	50.0	72	13.4	22	50
	230							21.9	23.0	68.3	88.0				
BMS F 090 B 7 145C	400	429	429	134	154	250	413	14.2	16.0	32.7	54.0	72	18.2	25	58
	230							22.9	27.0	52.7	87.0				
BMS F 090 B 5 118B	400	500	540	48	51	150	150	7.90	8.00	28.0	28.0	75	8.67	17	51
	230							13.5	14.0	48.0	48.0				
BMS F 090 B 5 118C	400	500	480	61	70	195	195	8.40	10.0	32.0	32.0	75	10.8	19	65
	230							14.0	16.0	53.0	53.0				
BMS F 090 B 5 145B	400	500	480	80	84	230	230	12.5	13.0	50.0	50.0	75	13.7	22	67
	230							21.9	23.0	88.0	88.0				
BMS F 090 B 5 145C	400	500	400	96	110	280	295	14.2	16.0	51.3	54.0	75	18.5	25	81
	230							22.9	27.0	82.6	87.0				
BMS F 090 B 5 170B	400	500	640	138	170	280	450	18.6	23.0	43.6	70.0	75	29.1	32	89
	230							32.2	40.0	75.3	121				
BMS F 090 B 5 170C	400	500	640	180	180	280	500	24.9	31.0	43.0	76.8	75	48.4	37	116
	-							-	-	-	-				
BMS F 090 B 4 145B	400	625	600	64	67	184	184	12.5	13.0	50.0	50.0	77	14.0	22	85
	230							21.9	23.0	88.0	88.0				
BMS F 090 B 4 145C	400	625	500	77	88	236	236	14.2	16.0	54.0	54.0	77	18.8	25	101
	230							22.9	27.0	87.0	87.0				
BMS F 090 B 4 170B	400	625	625	110	136	300	360	18.6	23.0	58.3	70.0	77	29.4	32	99
	230							32.2	40.0	101	121				
BMS F 090 B 4 170C	400	625	750	144	180	300	500	24.9	31.0	57.6	96.0	77	48.7	37	127
	-							-	-	-	-				

BMS F 090

Performance data • Medium overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 090 M 50 102A	400	70	90	165	200	280	500	3.80	4.90	7.64	13.6	70	1.72	14	10
	230							6.88	8.82	13.9	24.8				
BMS F 090 M 40 102A	400	75	113	136	160	300	500	3.80	4.90	10.2	15.0	70	1.73	14	11
	230							6.88	8.82	18.6	27.3				
BMS F 090 M 35 102A	400	86	129	119	140	280	500	3.80	4.90	10.9	15.0	70	1.77	14	13
	230							6.88	8.82	19.9	27.3				
BMS F 090 M 28 102A	400	107	125	95	112	300	500	3.80	4.90	14.6	15.0	70	1.78	14	15
	230							6.88	8.82	26.6	27.3				
BMS F 090 M 28 102B	400	107	161	188	200	300	500	7.50	8.30	15.3	25.5	70	3.28	15	26
	230							12.6	14.0	26.0	43.4				
BMS F 090 M 25 102A	400	120	140	85	100	275	500	3.80	4.90	15.0	15.0	70	1.86	14	15
	230							6.88	8.82	27.3	27.3				
BMS F 090 M 25 102B	400	120	180	168	180	280	500	7.50	8.30	16.0	28.6	70	3.36	15	28
	230							12.6	14.0	27.2	48.6				
BMS F 090 M 20 102B	400	150	225	134	144	280	420	7.50	8.30	20.0	30.0	70	3.46	15	31
	230							12.6	14.0	34.0	51.0				
BMS F 090 M 20 102C	400	150	225	170	180	280	500	7.80	9.70	15.5	27.7	70	4.76	17	37
	230							13.5	17.0	27.0	48.2				
BMS F 090 M 16 102B	400	188	250	107	115	300	336	7.50	8.30	26.8	30.0	70	3.49	15	41
	230							12.6	14.0	45.5	51.0				
BMS F 090 M 16 118B	400	188	281	152	163	300	480	10.2	12.0	25.0	40.0	70	7.89	19	19
	230							18.3	21.0	45.6	73.0				
BMS F 090 M 16 118C	400	188	281	195	200	300	500	10.9	14.0	22.6	37.7	70	10.0	21	26
	-							-	-	-	-				
BMS F 090 M 10 118A	400	300	400	51	56	150	150	5.20	6.40	21.0	21.0	70	4.78	15	13
	230							9.04	11.2	36.5	36.5				
BMS F 090 M 10 118B	400	300	450	95	102	170	300	10.2	12.0	22.7	40.0	70	8.18	17	26
	230							18.3	21.0	41.4	73.0				
BMS F 090 M 7 118B	400	429	571	67	71	210	210	10.2	12.0	40.0	40.0	72	8.35	17	37
	230							18.3	21.0	73.0	73.0				
BMS F 090 M 7 118C	400	429	571	85	98	250	273	10.9	14.0	43.0	47.0	72	10.5	19	46
	-							-	-	-	-				
BMS F 090 M 7 145B	400	429	586	112	118	250	322	16.4	19.0	56.7	73.0	72	13.4	22	50
	-							-	-	-	-				
BMS F 090 M 7 145C	400	429	643	134	154	250	413	18.3	24.0	48.4	80.0	72	18.2	25	58
	-							-	-	-	-				
BMS F 090 M 5 118B	400	500	800	48	51	150	150	10.2	12.0	40.0	40.0	75	8.67	17	51
	230							18.3	21.0	73.0	73.0				
BMS F 090 M 5 118C	400	500	760	61	70	195	195	10.9	14.0	47.0	47.0	75	10.8	19	65
	-							-	-	-	-				
BMS F 090 M 5 145B	400	500	700	80	84	230	230	16.4	19.0	73.0	73.0	75	13.7	22	67
	-							-	-	-	-				
BMS F 090 M 5 145C	400	500	640	96	110	280	295	18.3	24.0	75.9	80.0	75	18.5	25	81
	-							-	-	-	-				
BMS F 090 M 4 145B	400	625	875	64	67	184	184	16.4	19.0	73.0	73.0	77	14.0	22	85
	-							-	-	-	-				
BMS F 090 M 4 145C	400	625	800	77	88	236	236	18.3	24.0	80.0	80.0	77	18.8	25	101
	-							-	-	-	-				

BMS F 130
Dimensions and technical data



DIMENSION LB		
	Variants	
LB2	RES1 / RES2	
LB3	RES1 / RES2	F24 / F1
LB4	ENB1 / ENB2	
LB5	ENB3...ENB6	
LB6	ENB1 / ENB2	F24 / F1
LB7	ENB3...ENB6	F24 / F1

DIMENSION V		
	Variants	
V8	RES1 / RES2 ENB1...ENB6	
V9	RES1 / RES2	F24 / F1
V10	ENB1 / ENB2	F24 / F1
11	ENB5...ENB6	F24 / F1

Motor size	AC	LB2	LB3	LB4	LB5	LB6	LB7	ADp	ADs	AF	LLp	LLs	V8	V9	V10	V11
BMS 130 - 4... 10 - 1 STAGE																
145 B	145	277	327	302	277	352	327	42	42	45	102	83	242	292	292	292
145 C		312	362	337	312	387	362	42	42	45	102	83	277	327	327	327
170 B	170	304	379	342	304	417	379	62	42	90	129	83	277	352	352	352
170 C		358	433	396	358	471	433	62	42	90	129	83	331	406	406	406
BMS 130 - 16... 100 - 2 STAGE																
118 A	118	286	336	311	286	361	336	42	42	50	102	83	251	301	301	301
118 B		317	367	342	317	392	367	42	42	50	102	83	282	332	332	332
118 C		350	400	375	350	425	400	42	42	50	102	83	315	365	365	365
145 B	145	336	386	361	336	411	386	42	42	45	102	83	301	351	351	351
145 C		371	421	396	371	446	421	42	42	45	102	83	336	386	386	386

Gear motor stages	i	φ_s ≤	φ_r	R_{2max}	A_{2max}
		[arcmin]		[N]	[N]
1	4... 10	5'	3'	12000	8500
2	16... 70	7'	5'	12000	8500

BMS F 130

Performance data • Base overspeed

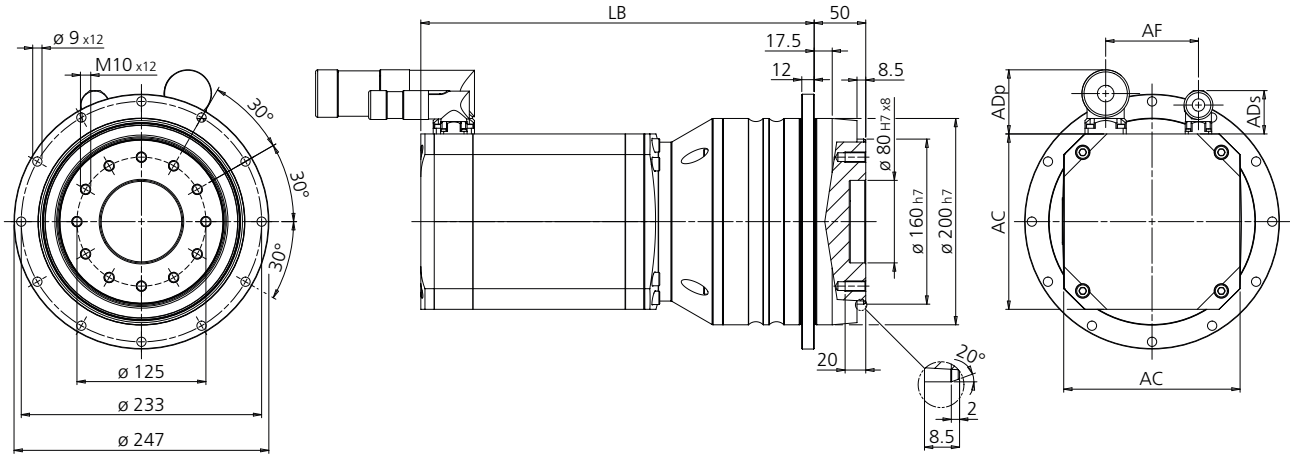
Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 130 B 70 118A	400	43	50	357	392	550	950	3.90	4.30	7.33	12.7	180	3.72	26	5.5
	230							6.64	7.30	12.5	21.6				
BMS F 130 B 50 118A	400	60	60	255	280	600	750	3.90	4.30	11.2	14.0	180	3.73	26	6.3
	230							6.64	7.30	19.1	23.9				
BMS F 130 B 40 118A	400	75	63	204	224	600	600	3.90	4.30	14.0	14.0	180	3.75	26	7.5
	230							6.64	7.30	23.9	23.9				
BMS F 130 B 40 118B	400	75	95	380	400	600	1000	7.90	8.00	14.0	23.3	180	7.15	28	13
	230							13.5	14.0	24.0	40.0				
BMS F 130 B 35 118A	400	80	71	179	196	525	525	3.90	4.30	14.0	14.0	180	3.87	26	8.3
	230							6.64	7.30	23.9	23.9				
BMS F 130 B 35 118B	400	80	103	333	357	600	1000	7.90	8.00	16.0	26.7	180	7.27	28	14
	230							13.5	14.0	27.4	45.7				
BMS F 130 B 28 118B	400	100	114	266	286	600	840	7.90	8.00	20.0	28.0	180	7.31	28	15
	230							13.5	14.0	34.3	48.0				
BMS F 130 B 28 118C	400	100	121	342	392	600	1000	8.40	10.0	17.6	29.3	180	9.41	30	19
	230							14.0	16.0	29.1	48.5				
BMS F 130 B 25 118B	400	112	120	238	255	600	750	7.90	8.00	22.4	28.0	180	7.53	28	15
	230							13.5	14.0	38.4	48.0				
BMS F 130 B 25 118C	400	112	124	305	350	600	975	8.40	10.0	19.7	32.0	180	9.63	30	20
	230							14.0	16.0	32.6	53.0				
BMS F 130 B 25 145B	400	112	136	400	400	600	1000	12.5	13.0	26.1	43.5	180	12.5	34	21
	230							21.9	23.0	45.9	76.5				
BMS F 130 B 20 118B	400	140	135	190	204	600	600	7.90	8.00	28.0	28.0	180	7.82	28	16
	230							13.5	14.0	48.0	48.0				
BMS F 130 B 20 118C	400	140	135	244	280	600	780	8.40	10.0	24.6	32.0	180	9.92	30	22
	230							14.0	16.0	40.8	53.0				
BMS F 130 B 20 145B	400	140	155	320	336	600	920	12.5	13.0	32.6	50.0	180	12.8	34	23
	230							21.9	23.0	57.4	88.0				
BMS F 130 B 20 145C	400	140	160	384	400	600	1000	14.2	16.0	27.5	45.8	180	17.6	37	30
	230							22.9	27.0	44.2	73.7				
BMS F 130 B 16 118B	400	175	169	152	163	480	480	7.90	8.00	28.0	28.0	180	7.95	28	18
	230							13.5	14.0	48.0	48.0				
BMS F 130 B 16 118C	400	175	150	195	224	600	624	8.40	10.0	30.8	32.0	180	10.1	30	24
	230							14.0	16.0	51.0	53.0				
BMS F 130 B 16 145B	400	175	175	256	269	600	736	12.5	13.0	40.8	50.0	180	13.0	34	27
	230							21.9	23.0	71.7	88.0				
BMS F 130 B 16 145C	400	175	175	307	352	600	944	14.2	16.0	34.3	54.0	180	17.8	37	34
	230							22.9	27.0	55.3	87.0				
BMS F 130 B 10 145B	400	250	250	160	168	420	460	12.5	13.0	45.7	50.0	180	14.3	32	45
	230							21.9	23.0	80.3	88.0				
BMS F 130 B 10 145C	400	250	250	192	220	420	590	14.2	16.0	38.4	54.0	180	19.1	32	54
	230							22.9	27.0	61.9	87.0				
BMS F 130 B 10 170B	400	250	350	280	280	420	900	18.6	23.0	32.7	70.0	180	29.7	39	48
	230							32.2	40.0	56.5	121				
BMS F 130 B 7 145B	400	357	343	112	118	322	322	12.5	13.0	50.0	50.0	185	15.3	29	65
	230							21.9	23.0	88.0	88.0				
BMS F 130 B 7 145C	400	357	286	134	154	413	413	14.2	16.0	54.0	54.0	185	20.1	32	77
	230							22.9	27.0	87.0	87.0				
BMS F 130 B 7 170B	400	357	357	440	238	550	630	18.6	23.0	61.1	70.0	185	30.7	39	69
	230							32.2	40.0	106	121				
BMS F 130 B 7 170C	400	357	429	252	315	550	875	24.9	31.0	60.3	96.0	185	50.0	44	94
	-							-	-	-	-				
BMS F 130 B 5 170B	400	500	500	138	170	450	450	18.6	23.0	70.0	70.0	193	32.4	39	97
	230							32.2	40.0	121	121				
BMS F 130 B 5 170C	400	500	480	180	225	600	625	24.9	31.0	92.2	96.0	193	51.7	44	128
	-							-	-	-	-				
BMS F 130 B 4 170B	400	525	625	110	136	360	360	18.6	23.0	70.0	70.0	198	34.4	39	121
	230							32.2	40.0	121	121				
BMS F 130 B 4 170C	400	525	600	144	180	500	500	24.9	31.0	96.0	96.0	198	53.7	44	156
	-							-	-	-	-				

BMS F 130

Performance data • Medium overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 130 M 70 118A	400	50	57	357	392	550	950	5.20	6.40	11.0	19.0	180	3.72	26	5.5
	230							9.04	11.2	19.1	33.0				
BMS F 130 M 50 118A	400	64	80	255	280	600	750	5.20	6.40	16.8	21.0	180	3.73	26	6.3
	230							9.04	11.2	29.2	36.5				
BMS F 130 M 40 118A	400	80	100	204	224	600	600	5.20	6.40	21.0	21.0	180	3.75	26	7.5
	230							9.04	11.2	36.5	36.5				
BMS F 130 M 40 118B	400	80	100	380	400	600	1000	10.2	12.0	20.0	33.3	180	7.15	28	13
	230							18.3	21.0	36.5	60.8				
BMS F 130 M 35 118A	400	80	114	179	196	525	525	5.20	6.40	21.0	21.0	180	3.87	26	8.3
	230							9.04	11.2	36.5	36.5				
BMS F 130 M 35 118B	400	80	114	333	357	600	1000	10.2	12.0	22.9	38.1	180	7.27	28	14
	230							18.3	21.0	41.7	69.5				
BMS F 130 M 28 118B	400	100	143	266	286	600	840	10.2	12.0	28.6	40.0	180	7.31	28	15
	230							18.3	21.0	52.1	73.0				
BMS F 130 M 28 118C	400	100	143	342	392	600	1000	10.9	14.0	25.8	43.0	180	9.41	30	19
	-							-	-	-	-				
BMS F 130 M 25 118B	400	112	160	238	255	600	750	10.2	12.0	32.0	40.0	180	7.53	28	15
	230							18.3	21.0	58.4	73.0				
BMS F 130 M 25 118C	400	112	160	305	350	600	975	10.9	14.0	28.9	47.0	180	9.63	30	20
	-							-	-	-	-				
BMS F 130 M 25 145B	400	112	160	400	400	600	1000	16.4	19.0	38.1	63.5	180	12.5	34	21
	-							-	-	-	-				
BMS F 130 M 20 118B	400	140	200	190	204	600	600	10.2	12.0	40.0	40.0	180	7.82	28	16
	230							18.3	21.0	73.0	73.0				
BMS F 130 M 20 118C	400	140	200	244	280	600	780	10.9	14.0	36.2	47.0	180	9.92	30	22
	-							-	-	-	-				
BMS F 130 M 20 145B	400	140	200	320	336	600	920	16.4	19.0	47.6	73.0	180	12.8	34	13
	-							-	-	-	-				
BMS F 130 M 20 145C	400	140	200	384	400	600	1000	18.3	24.0	40.7	67.8	180	17.6	37	30
	-							-	-	-	-				
BMS F 130 M 16 118B	400	175	250	152	163	480	480	10.2	12.0	40.0	40.0	180	7.95	28	18
	230							18.3	21.0	73.0	73.0				
BMS F 130 M 16 118C	400	175	238	195	224	600	624	10.9	14.0	45.2	47.0	180	10.1	30	24
	-							-	-	-	-				
BMS F 130 M 16 145B	400	175	250	256	269	600	736	16.4	19.0	59.5	73.0	180	13.0	34	27
	-							-	-	-	-				
BMS F 130 M 16 145C	400	175	250	307	352	600	944	18.3	24.0	50.8	80.0	180	17.8	37	34
	-							-	-	-	-				
BMS F 130 M 10 145B	400	250	380	160	168	420	460	16.4	19.0	66.7	73.0	180	14.3	32	45
	-							-	-	-	-				
BMS F 130 M 10 145C	400	250	400	192	220	420	590	18.3	24.0	56.9	80.0	180	19.1	32	54
	-							-	-	-	-				
BMS F 130 M 7 145B	400	357	500	112	118	322	322	16.4	19.0	73.0	73.0	185	15.3	29	65
	-							-	-	-	-				
BMS F 130 M 7 145C	400	357	457	134	154	413	413	18.3	24.3	80.0	80.0	185	20.1	32	77
	-							-	-	-	-				

BMS F 160
Dimensions and technical data



DIMENSION LB	Variants	
LB2	RES1 / RES2	
LB3	RES1 / RES2	F24 / F1
LB4	ENB1 / ENB2	
LB5	ENB3...ENB6	
LB6	ENB1 / ENB2	F24 / F1
LB7	ENB3...ENB6	F24 / F1

DIMENSION V	Variants	
V8	RES1 / RES2 ENB1...ENB6	
V9	RES1 / RES2	F24 / F1
V10	ENB1 / ENB2	F24 / F1
11	ENB5...ENB6	F24 / F1

Motor size	AC	LB2	LB3	LB4	LB5	LB6	LB7	ADp	ADs	AF	LLp	LLs	V8	V9	V10	V11
BMS 160 - 4... 10 - 1 STAGE																
145 B	145	355	405	380	355	430	405	42	42	45	102	83	320	370	370	370
145 C		390	440	415	390	465	440	42	42	45	102	83	355	405	405	405
170 B	170	382	457	420	382	495	457	62	42	90	129	83	355	430	430	430
170 C		436	511	474	436	549	511	62	42	90	129	83	409	484	484	484

Gear motor stages	i	φ_s ≤	φ_r	R_{2max}	A_{2max}
		[arcmin]		[N]	[N]
1	4... 10	-	-	-	-
2	16... 100	7'	5'	29000	16000

BMS F 160

Performance data • Base overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 160 B 50 145B	400	56	68	800	800	1200	2000	12.5	13.0	26.1	43.5	500	12	67	28
	230							21.9	23.0	46.2	76.5				
BMS F 160 B 40 145B	400	70	78	640	672	1200	1840	12.5	13.0	32.6	50.0	500	13	67	31
	230							21.9	23.0	57.7	88.0				
BMS F 160 B 40 145C	400	70	80	768	800	1200	2000	14.2	16.0	27.5	45.8	500	17	70	36
	230							22.9	27.0	44.1	73.7				
BMS F 160 B 35 145B	400	80	86	560	588	1200	1610	12.5	13.0	37.3	50.0	500	13	67	33
	230							21.9	23.0	65.9	88.0				
BMS F 160 B 35 145C	400	80	86	672	770	1200	2000	14.2	16.0	31.5	52.3	500	18	70	39
	230							22.9	27.0	50.4	84.3				
BMS F 160 B 28 145B	400	100	89	448	470	1200	1288	12.5	13.0	46.6	50.0	500	13	67	37
	230							21.9	23.0	82.4	88.0				
BMS F 160 B 28 145C	400	100	89	538	616	1200	1652	14.2	16.0	39.3	54.0	500	18	70	43
	230							22.9	27.0	63.0	87.0				
BMS F 160 B 25 145B	400	112	96	400	420	1150	1150	12.5	13.0	50.0	50.0	500	15	67	39
	230							21.9	23.0	88.5	88.0				
BMS F 160 B 25 145C	400	112	88	480	550	1200	1475	14.2	16.0	44.0	54.0	500	19	70	46
	230							22.9	27.0	70.6	87.0				
BMS F 160 B 25 170B	400	112	140	688	800	1200	2000	18.6	23.0	37.2	62.2	500	30	82	37
	230							32.2	40.0	64.9	108				
BMS F 160 B 20 145B	400	140	120	320	336	920	920	12.5	13.0	50.0	50.0	500	16	67	43
	230							21.9	23.0	88.5	88.0				
BMS F 160 B 20 145C	400	140	100	384	440	1180	1180	14.2	16.0	54.1	54.0	500	21	70	51
	230							22.9	27.0	86.8	87.0				
BMS F 160 B 20 170B	400	140	160	550	680	1200	1800	18.6	23.0	46.5	70.0	500	31	77	41
	230							32.2	40.0	81.1	121				
BMS F 160 B 20 170C	400	140	160	720	800	1200	2000	24.9	31.0	46.2	76.8	500	51	82	55
	-							-	-	-	-				
BMS F 160 B 16 145B	400	175	150	256	269	736	736	12.5	13.0	50.0	50.0	500	17	67	48
	230							21.9	23.0	88.5	88.0				
BMS F 160 B 16 145C	400	175	125	307	352	944	944	14.2	16.0	54.1	54.0	500	21	70	57
	230							22.9	27.0	86.8	87.0				
BMS F 160 B 16 170B	400	175	175	440	544	1200	1440	18.6	23.0	58.1	70.0	500	32	77	49
	230							32.2	40.0	101	121				
BMS F 160 B 16 170C	400	175	188	576	720	1200	2000	24.9	31.0	57.7	96.0	500	51	82	63
	-							-	-	-	-				

BMS F 160

Performance data • Medium overspeed

Designation		n_{n2}	n_{a2}	M_{n2}	M_{02}	M_{a2}	M_{p2}	I_n	I_0	I_a	I_p	C_t	J_1	m	K_p
		[min^{-1}]	[min^{-1}]	[Nm]	[Nm]	[Nm]	[Nm]	[A]	[A]	[A]	[A]	[Nm/arcmin]	[kg cm^2]	[kg]	
BMS F 160 M 50 145B	400	56	70	800	800	1200	2000	16.4	19.0	38.1	63.5	500	12	67	28
	-							-	-	-	-				
BMS F 160 M 40 145B	400	70	88	640	672	1200	1840	16.4	19.0	47.6	73.0	500	13	67	31
	-							-	-	-	-				
BMS F 160 M 40 145C	400	70	88	768	800	1200	2000	18.3	24.0	40.7	67.8	500	17	70	36
	-							-	-	-	-				
BMS F 160 M 35 145B	400	80	100	560	588	1200	1610	16.4	19.0	54.4	73.0	500	13	67	33
	-							-	-	-	-				
BMS F 160 M 35 145C	400	80	100	672	770	1200	2000	18.3	24.0	46.5	77.5	500	18	70	39
	-							-	-	-	-				
BMS F 160 M 28 145B	400	100	125	448	470	1200	1288	16.4	19.0	68.0	73.0	500	13	67	37
	-							-	-	-	-				
BMS F 160 M 28 145C	400	100	125	538	616	1200	1652	18.3	24.0	58.1	80.0	500	18	70	43
	-							-	-	-	-				
BMS F 160 M 25 145B	400	112	140	400	420	1150	1150	16.4	19.0	73.0	73.0	500	15	67	39
	-							-	-	-	-				
BMS F 160 M 25 145C	400	112	140	480	550	1200	1475	18.3	24.0	65.1	80.0	500	19	70	46
	-							-	-	-	-				
BMS F 160 M 20 145B	400	140	175	320	336	920	920	16.4	19.0	73.0	73.0	500	16	67	43
	-							-	-	-	-				
BMS F 160 M 20 145C	400	140	175	384	440	1180	1180	18.3	24.0	80.0	80.0	500	21	70	51
	-							-	-	-	-				
BMS F 160 M 16 145B	400	175	219	256	269	736	736	16.4	19.0	73.0	73.0	500	17	67	48
	-							-	-	-	-				
BMS F 160 M 16 145C	400	175	219	307	352	944	944	18.3	24.0	80.0	80.0	500	21	70	57
	-							-	-	-	-				

Motor data set

			n	f_n	2_p	P_n	V_n	I_n	I_0	K_e	R_{pp}	L_{pp}
			[min^{-1}]	[Hz]	[-]	[kW]	[V_{AC}]	[A]	[A]	[mV/min^{-1}]	[$\Omega_{20°}$]	[mH]
B	065A	400	3000	200	8	0.25	295	0.72	0.76	76	50.0	150
		230					181	1.16	1.23	47	19.2	57.5
M	065A	400	4500	300		0.36	331	0.88	0.98	59	30.3	90.7
		230					172	1.74	1.93	30	7.75	23.2
H	065A	400	6000	400		0.46	306	1.21	1.38	42	15.1	45.2
		230					177	2.09	2.39	24	5.04	15.1
B	065B	400	3000	200	8	0.50	311	1.33	1.35	83	26.3	79.5
		230					180	2.30	2.34	48	8.79	26.4
M	065B	400	4500	300		0.72	308	1.85	1.98	57	12.2	37.0
		230					180	3.20	3.40	33	4.19	12.6
H	065B	400	6000	400		0.91	300	2.43	2.68	42	6.65	20.1
		230					171	4.20	4.70	24	2.20	6.60
B	082B	400	3000	200	8	0.94	315	2.50	2.60	85	9.75	55.2
		230					181	4.30	4.50	49	3.23	18.3
M	082B	400	4500	300		1.32	312	3.40	3.90	57	4.42	25.0
		230					200	5.30	6.00	37	1.81	10.3
H	082B	400	6000	400		1.57	308	4.30	5.20	43	2.47	14.0
		230					176	7.60	9.00	24	0.81	4.6
B	082C	400	3000	200	8	1.19	323	2.90	3.30	92	6.77	38.3
		230					184	5.10	5.80	52	2.19	12.4
M	082C	400	4500	300		1.67	328	3.90	4.80	63	3.21	18.1
		230					188	6.80	8.40	36	1.05	6.00
H	082C	400	6000	400		2.00	335	4.50	6.20	49	1.92	10.8
		230					197	7.60	10.6	29	0.66	3.70
B	102A	400	3000	200	8	1.10	305	2.80	3.30	86	6.20	53.0
		230					177	4.82	5.68	50	2.09	17.9
M	102A	400	4500	300		1.50	303	3.80	4.90	58	2.79	23.8
		230					169	6.88	8.82	32	0.87	7.40
H	102A	400	6000	400		1.80	314	4.60	6.30	45	1.71	14.6
		230					174	8.29	11.4	25	0.52	4.50
B	102B	400	3000	200	8	2.10	311	5.40	5.50	86	2.53	21.3
		230					177	9.50	9.70	49	0.82	6.90
M	102B	400	4500	300		2.83	305	7.50	8.30	57	1.11	9.40
		230					182	12.6	13.9	34	0.40	3.30
H	102B	400	6000	400		3.50	305	9.30	11.0	43	0.63	5.30
		230					185	15.4	18.2	26	0.23	1.90
B	102C	400	3000	200	8	2.70	324	5.80	6.50	99	2.11	17.7
		230					184	10.2	11.5	56	0.68	5.70
M	102C	400	4500	300		3.60	323	7.80	9.70	66	0.95	8.00
		230					187	13.5	16.8	38	0.32	2.70
H	102C	400	6000	400		4.10	333	8.40	12.4	52	0.58	4.80
		230					190	14.8	21.8	30	0.19	1.60
B	118A	400	3000	200	8	1.60	315	3.90	4.30	88	3.54	47.0
		230					185	6.64	7.33	52	1.22	16.2
M	118A	400	4500	300		2.20	316	5.20	6.40	59	1.61	21.3
		230					180	9.04	11.2	34	0.52	6.90
H	118A	400	6000	400		2.50	324	5.50	8.20	46	0.96	12.8
		230					171	10.3	15.6	24	0.27	3.60
B	118B	400	3000	200	8	3.00	305	7.90	8.00	86	1.27	16.7
		230					178	13.5	13.7	50	0.43	5.7
M	118B	400	4500	300		4.00	314	10.2	11.6	60	0.61	8.00
		230					174	18.3	20.8	33	0.19	2.50
H	118B	400	6000	400		4.70	306	11.4	15.8	44	0.33	4.30
		-					-	-	-	-	-	-
B	118C	400	3000	200	8	3.80	320	8.40	9.80	98	1.04	13.7
		230					192	14.0	16.3	59	0.37	4.90
M	118C	400	4500	300		5.00	325	10.9	14.4	67	0.48	6.30
		-					-	-	-	-	-	-
H	118C	400	6000	400		5.30	329	11.8	18.9	51	0.28	3.70
		-					-	-	-	-	-	-
B	145B	400	3000	200	8	5.00	308	12.5	13.0	83	0.72	11.5
		230					176	21.9	22.8	47	0.24	3.80
M	145B	400	4500	300		6.60	314	16.4	19.0	57	0.34	5.40
		-					-	-	-	-	-	-
B	145C	400	3000	200	8	6.00	321	14.2	16.4	96	0.59	9.40
		230					202	22.9	26.5	60	0.23	3.60
M	145C	400	4500	300		8.00	323	18.3	24.3	65	0.27	4.30
		-					-	-	-	-	-	-
B	170B	400	3000	200	8	8.60	315	18.6	23.3	93	0.26	5.10
		230					182	32.2	40.4	54	0.09	1.70
B	170C	400	3000	200	8	11.3	314	24.9	31.0	101	0.17	3.30
		-					-	-	-	-	-	-