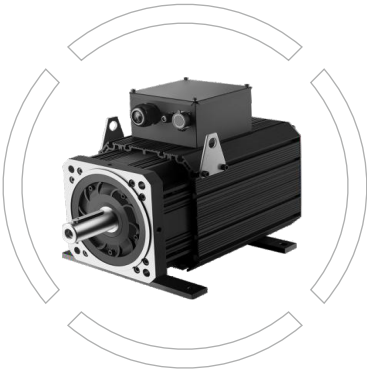


THH Series

Servo Motor
Rated Speed: 1500/1700/2000 rpm
Rated Power: 5.5~67 kW



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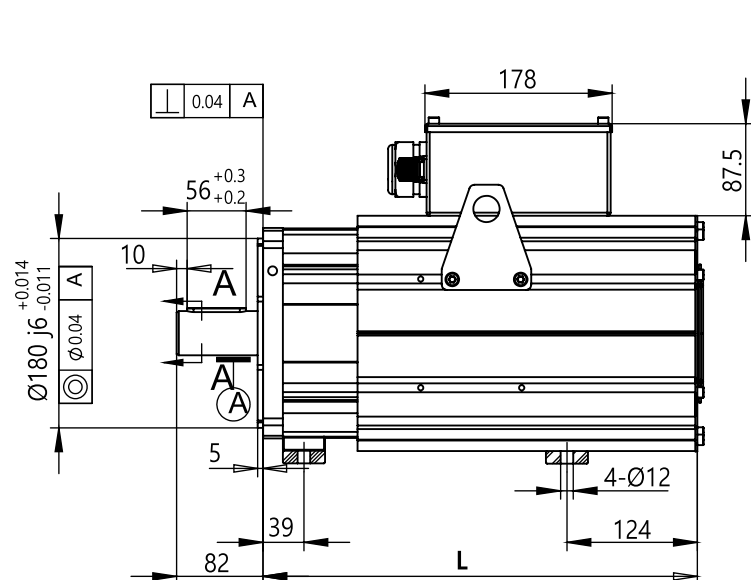


Parameter Table

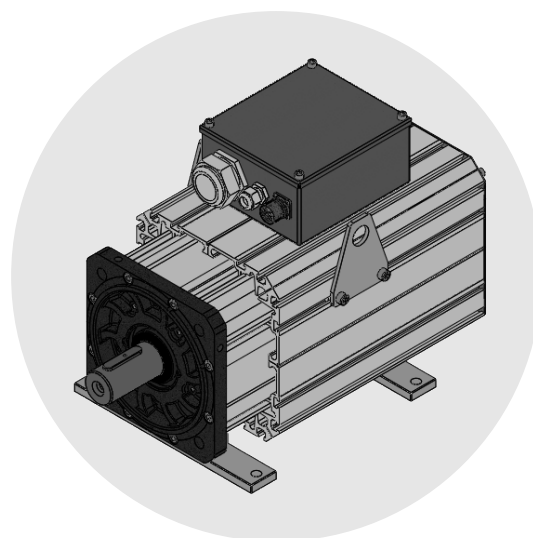
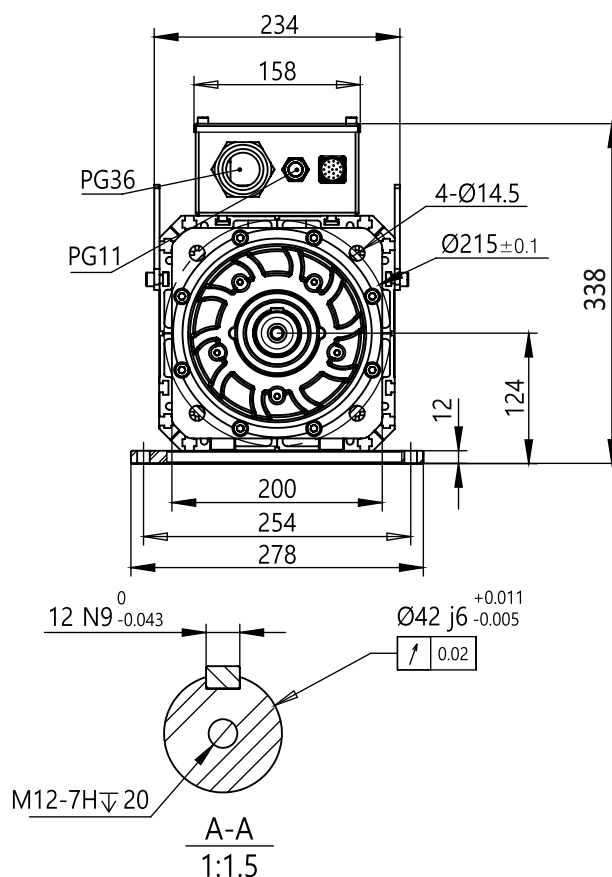
MODELS	Rated Torque Nm	Maximum Torque Nm	Rated Speed rpm	Rated Current Arms	Maximum current Arms	Rated Power kW	Torque constant (cold)Nm/A	Back Electromotive force constant V/Krpm	Rated Frequency Hz	Rated Voltage (V)	Efficiency %	Moment of Interia Kgm²10 ⁻³	Weight Kg
THH6-18 F0315K3-F2R4 (UID: T618142049)	37	74	1500	11.9	23.7	5.5	3.28	210	100	380	89.59%	5.1	30
THH6-18 F0317K3-F2R4 (UID: T618142050)	36	72	1700	13.1	26.9	6.2	2.89	171	113	380	89.89%		
THH6-18 F0320K3-F2R4 (UID: T618142051)	35	70	2000	14.8	31.1	7.3	2.50	148	133	380	90.33%		
THH6-18 F0415K3-F2R4 (UID: T618142052)	45	90	1500	13.6	28.7	7.1	3.48	210	100	380	90.24%	5.1	30
THH6-18 F0417K3-F2R4 (UID: T618142053)	43	86	1700	16.0	33.7	7.7	2.84	171	113	380	90.65%		
THH6-18 F0420K3-F2R4 (UID: T618142054)	42	84	2000	18.1	38.1	8.8	2.45	148	133	380	91.16%		
THH6-18 F0515K3-F2R4 (UID: T618142055)	55	110	1500	17.7	37.4	8.6	3.26	197	100	380	90.71%	5.8	35
THH6-18 F0517K3-F2R4 (UID: T618142056)	52	104	1700	17.7	37.3	9.3	3.09	187	113	380	91.08%		
THH6-18 F0520K3-F2R4 (UID: T618052010)	51	102	2000	22.3	47.1	10.7	2.41	145	133	380	91.58%		
THH6-18 F0615K3-F2R4 (UID: T618142058)	68	136	1500	20.8	43.9	10.7	3.44	208	100	380	91.31%	6.5	40
THH6-18 F0617K3-F2R4 (UID: T618142059)	65	130	1700	22.8	48.0	11.6	3.01	182	113	380	91.55%		
THH6-18 F0620K3-F2R4 (UID: T618062010)	64	128	2000	26.1	55.2	13.4	2.58	156	133	380	91.99%		
THH6-18 F0715K3-F2R4 (UID: T618142060)	79	158	1500	23.9	50.4	12.4	3.48	210	100	380	91.65%	7.2	45
THH6-18 F0717K3-F2R4 (UID: T618142061)	75	150	1700	27.8	58.8	13.4	2.84	171	113	380	91.84%		
THH6-18 F0720K3-F2R4 (UID: T618142062)	74	148	2000	30.2	63.8	15.5	2.58	156	133	380	92.32%		
THH6-18 F0915K3-F2R4 (UID: T618142063)	90	180	1500	28.6	60.4	14.1	3.31	200	100	380	91.94%	7.9	47
THH6-18 F0917K3-F2R4 (UID: T618142064)	86	172	1700	30.1	63.5	15.3	3.01	182	113	380	92.19%		
THH6-18 F0920K3-F2R4 (UID: T618092010)	85	170	2000	34.0	71.8	17.8	2.63	159	133	380	92.68%		
THH6-18 F1015K3-F2R4 (UID: T618142065)	100	180	1500	30.4	54.8	15.7	3.46	209	100	380	92.24%	7.9	50
THH6-18 F1017K3-F2R4 (UID: T618142066)	96	173	1700	34.5	62.0	17.1	2.93	177	113	380	92.49%		
THH6-18 F1020K3-F2R4 (UID: T618142067)	95	171	2000	41.6	74.8	19.9	2.41	145	133	380	92.98%		
THH6-18 F1115K3-F2R4 (UID: T618142068)	113	203	1500	36.4	65.6	17.7	3.26	197	100	380	92.51%	8.7	55
THH6-18 F1117K3-F2R4 (UID: T618142069)	112	202	1700	38.1	68.6	19.9	3.09	187	113	380	92.76%		
THH6-18 F1120K3-F2R4 (UID: T618112010)	107	193	2000	45.2	81.4	22.4	2.49	151	133	380	93.23%		
THH6-18 F1215K3-F2R4 (UID: T618142070)	124	223	1500	37.5	67.5	19.5	3.48	210	100	380	92.71%	9.3	60
THH6-18 F1217K3-F2R4 (UID: T618142071)	118	212	1700	44.3	79.8	21.0	2.80	169	113	380	93.02%		
THH6-18 F1220K3-F2R4 (UID: T618142072)	117	211	2000	49.0	88.2	24.5	2.51	152	133	380	93.37%		
THH6-18 F1315K3-F2R4 (UID: T618142073)	135	243	1500	41.4	74.4	21.2	3.44	208	100	380	92.91%	10.0	65
THH6-18 F1317K3-F2R4 (UID: T618142074)	134	241	1700	50.5	90.9	23.9	2.79	169	113	380	93.21%		
THH6-18 F1320K3-F2R4 (UID: T618142075)	129	232	2000	52.7	94.8	27.0	2.58	156	133	380	93.51%		
THH6-18 F1415K3-F2R4 (UID: T618142076)	143	257	1500	43.9	79.1	22.5	3.43	207	100	380	93.03%	10.7	67
THH6-18 F1417K3-F2R4 (UID: T618142077)	142	256	1700	48.7	87.6	25.3	3.07	186	113	380	93.30%		
THH6-18 F1420K3-F2R4 (UID: T618142010)	138	248	2000	61.5	110.7	28.9	2.36	143	133	380	93.63%		
THH6-18 F1515K3-F2R4 (UID: T618142078)	150	270	1500	47.1	84.8	23.6	3.35	203	100	380	93.12%	11.4	70
THH6-18 F1517K3-F2R4 (UID: T618142079)	149	268	1700	52.9	95.2	26.5	2.96	179	113	380	93.40%		
THH6-18 F1520K3-F2R4 (UID: T618142080)	147	265	2000	60.0	108.1	30.8	2.58	156	133	380	93.75%		
THH6-18 F1615K3-F2R4 (UID: T618142081)	159	286	1500	50.0	89.9	25.0	3.35	203	100	380	93.23%	12.1	75
THH6-18 F1617K3-F2R4 (UID: T618142082)	156	281	1700	58.8	105.9	27.8	2.79	169	113	380	93.49%		
THH6-18 F1620K3-F2R4 (UID: T618142083)	155	279	2000	64.9	116.9	32.5	2.51	152	133	380	93.84%		
THH6-18 F1715K3-F2R4 (UID: T618142084)	167	301	1500	50.8	91.5	26.2	3.46	209	100	380	93.32%	12.8	80
THH6-18 F1717K3-F2R4 (UID: T618142085)	163	293	1700	60.1	108.1	29.0	2.86	173	113	380	93.56%		
THH6-18 F1720K3-F2R4 (UID: T618142086)	162	292	2000	70.9	127.6	33.9	2.41	145	133	380	93.93%		
THH6-18 F1815K3-F2R4 (UID: T618142087)	177	319	1500	57.8	104.1	27.8	3.22	195	100	380	93.44%	13.5	85
THH6-18 F1817K3-F2R4 (UID: T618142088)	173	311	1700	59.5	107.1	30.8	3.06	185	113	380	93.65%		
THH6-18 F1820K3-F2R4 (UID: T618142022)	172	310	2000	70.2	126.4	36.0	2.58	156	133	380	94.05%		
THH6-18 F2015K3-F2R4 (UID: T618142089)	200	360	1500	60.5	108.9	31.4	3.48	210	100	380	93.66%	15.6	90
THH6-18 F2017K3-F2R4 (UID: T618142090)	195	351	1700	66.4	119.5	34.7	3.09	187	113	380	93.87%		
THH6-18 F2020K3-F2R4 (UID: T618142091)	192	346	2000	80.4	144.8	40.2	2.51	152	133	380	94.22%		
THH6-18 F2215K3-F2R4 (UID: T618142092)	225	405	1500	68.9	124.1	35.3	3.44	208	100	380	93.83%	17.0	95
THH6-18 F2217K3-F2R4 (UID: T618142093)	223	401	1700	78.1	140.5	39.7	3.01	182	113	380	94.08%		
THH6-18 F2220K3-F2R4 (UID: T618142023)	220	396	2000	89.8	161.7	46.1	2.58	156	133	380	94.43%		
THH6-18 F1915K3-F2R4 (UID: T618142094)	185	333	1500	59.7	107.4	29.1	3.30	199	100	380	93.8%	22.8	85
THH6-25 F1917K3-F2R4 (UID: T618142095)	180	324	1700	63.5	114.3	32.0	3.02	182	113	380	94.2%		
THH6-25 F1920K3-F2R4 (UID: T618142096)	175	315	2000	67.8	122.0	36.6	2.75	166	133	380	94.3%		
THH6-25 F2115K3-F2R4 (UID: T618142097)	215	387	1500	66.3	119.3	33.8	3.45	209	100	380	95.0%	25.7	92
THH6-25 F2117K3-F2R4 (UID: T618142098)	210	378	1700	71.3	128.4	37.4	3.13	189	113	380	95.5%		
THH6-25 F2120K3-F2R4 (UID: T618142099)	205	369	2000	86.7	156.1	42.9	2.51	152	133	380	95.6%		
THH6-25 F2415K3-F2R4 (UID: T618142100)	240	432	1500	72.3	130.2	37.7	3.53	213	100	380	95.0%	28.6	99
THH6-25 F2417K3-F2R4 (UID: T618142101)	235	423	1700	78.7	141.6	41.8	3.18	192	113	380	95.5%		
THH6-25 F2420K3-F2R4 (UID: T618142102)	228	410	2000	91.6	164.9	47.7	2.65	160	133	380	95.6%		
THH6-25 F2615K3-F2R4 (UID: T618142103)	265	477	1500	79.9	143.8	41.6	3.53	213	100	380	95.2%	31.5	106
THH6-25 F2617K3-F2R4 (UID: T618142104)	260	468	1700	88.3	158.9	46.3	3.13	189	113	380	95.8%		
THH6-25 F2620K3-F2R4 (UID: T618142105)	250	450	2000	104.4	187.9	52.4	2.55	154	133	380	95.9%		
THH6-25 F3115K3-F2R4 (UID: T618142106)	310	558	1500	100.0	180.0	48.7	3.30	119	100	380	95.2%	37.3	120
THH6-25 F3117K3-F2R4 (UID: T618142107)	305	549	1700	106.2	191.2	54.3	3.06	185	113	380	95.9%		
THH6-25 F3120K3-F2R4 (UID: T618142108)	333	599	2000	131.5	235	67	2.53	196	133.3	380	96.0%		



Unit Dimensions THH6-18 Series

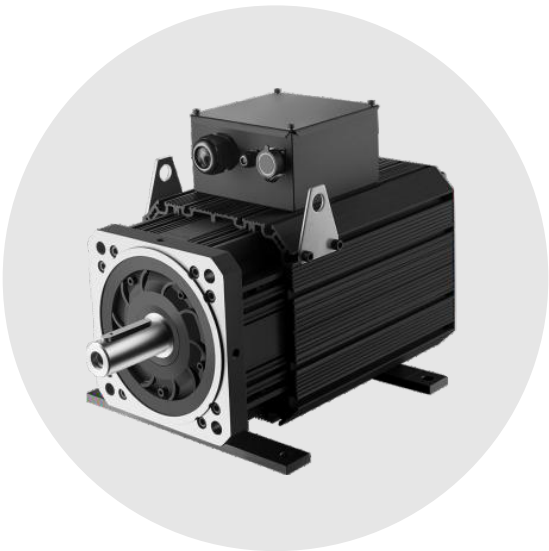
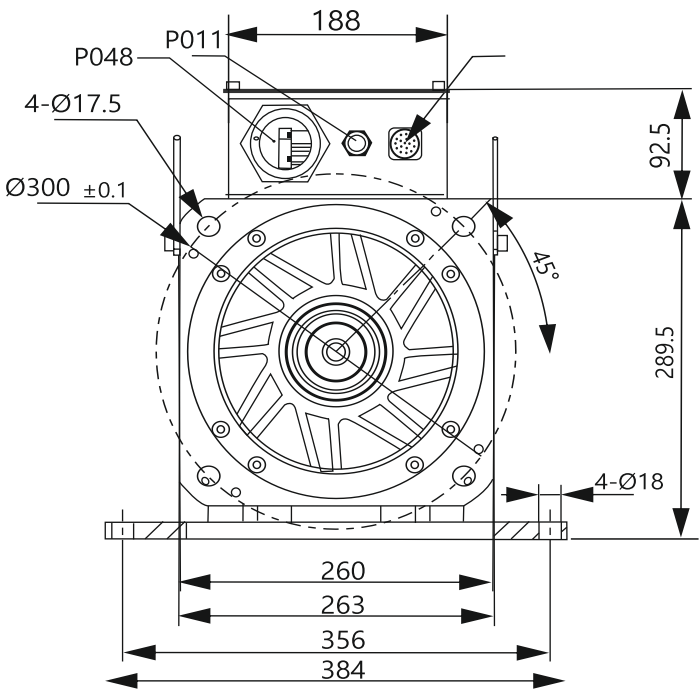
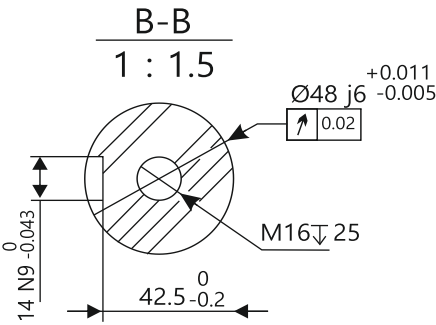
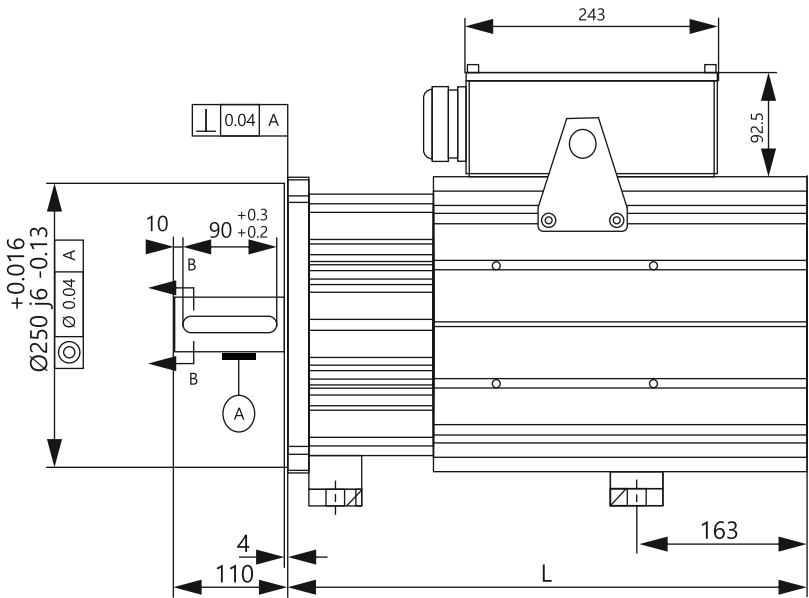


Model	L (mm)
THH6-18F03XXK3	323
THH6-18F04XXK3	323
THH6-18F05XXK3	341
THH6-18F06XXK3	359
THH6-18F07XXK3	377
THH6-18F09XXK3	395
THH6-18F10XXK3	395
THH6-18F11XXK3	413
THH6-18F12XXK3	431
THH6-18F13XXK3	449
THH6-18F14XXK3	467
THH6-18F15XXK3	485
THH6-18F16XXK3	503
THH6-18F17XXK3	521
THH6-18F18XXK3	539
THH6-18F20XXK3	593
THH6-18F22XXK3	629





Unit Dimensions THH6-25 Series



Model	L (mm)
THH6-25F19**K3	496
THH6-25F21**K3	521
THH6-25F24**K3	546
THH6-25F26**K3	571
THH6-25F31**K3	621

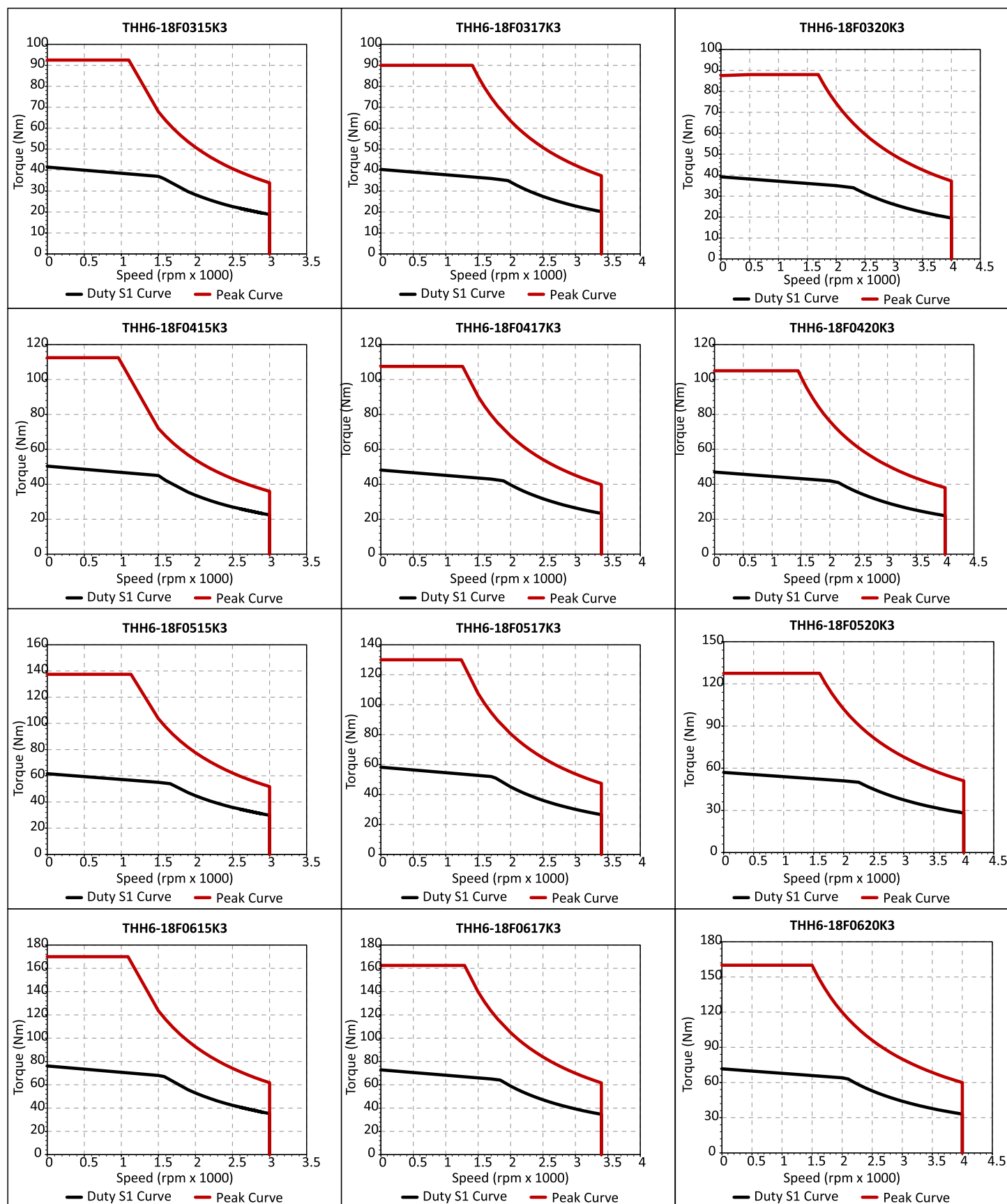


Ordering Code

TH	H6												
THM Servo Motor = TH													
Hydraulic Servo Dedicated = H6													
Spigot (Outer Dia. of Motor) Ø180mm = 18 ; Ø250mm = 25													
Cooling Method													
Natural Cooling													
Forced air cooling													
Forced liquid cooling													
Rated Torque													
The first two digit of effective value of rated torque													
Rated Speed													
The first two digit of effective value of rated speed													
	Speed x 1	Speed x 10	Speed x 100	Speed x 1000	Speed x 10000								
Torque x 1	A	E	J	N	S								
Torque x 10	B	F	K	P	T								
Torque x 100	C	G	L	Q	U								
Torque x 1000	D	H	M	R	V								
Voltage Level													
110~130V													= 1
220~240V													= 2
380~440V													= 3
480~516V													= 4
Others													= 9
Output shaft / Accessory	Extended axis optical axis	Extended shaft with key	Inner flat key	Internal Spline	External Spline	Others							
No oil seal and no brake	A	E	J	N	S	W							
With oil seal without brake	B	F	K	P	T	Y							
No oil seal with brake	C	G	L	Q	U	1							
With oil seal and brake	D	H	M	R	V	2							
	No feet	Standard feet	Other feet										
Lead wire generation junction box	1	2	3										
Signal power socket form	4	5	6										
Other	7	8	9										
Encoder type													
Endat single turn absolute encoders (M1, M2..)													= M
Endat multiturn absolute encoders (N1, N2..)													= N
1Vpp sine-cosine encoders (S1,S2..)													= S
Resolver (R1, R2...)													= R
Square wave incremental encoder (D1, D2..)													= D
Without encoder													= X

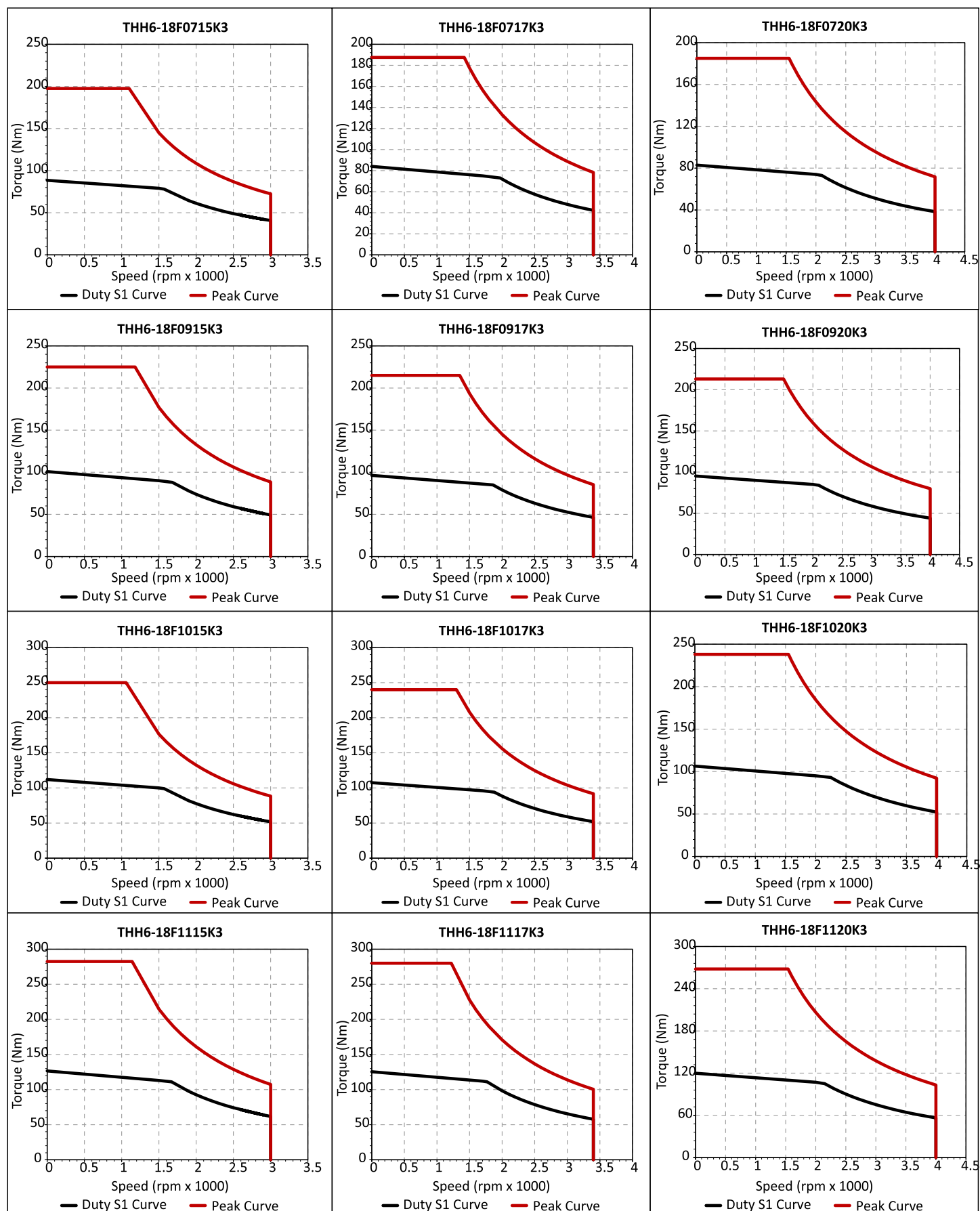


Performance curves



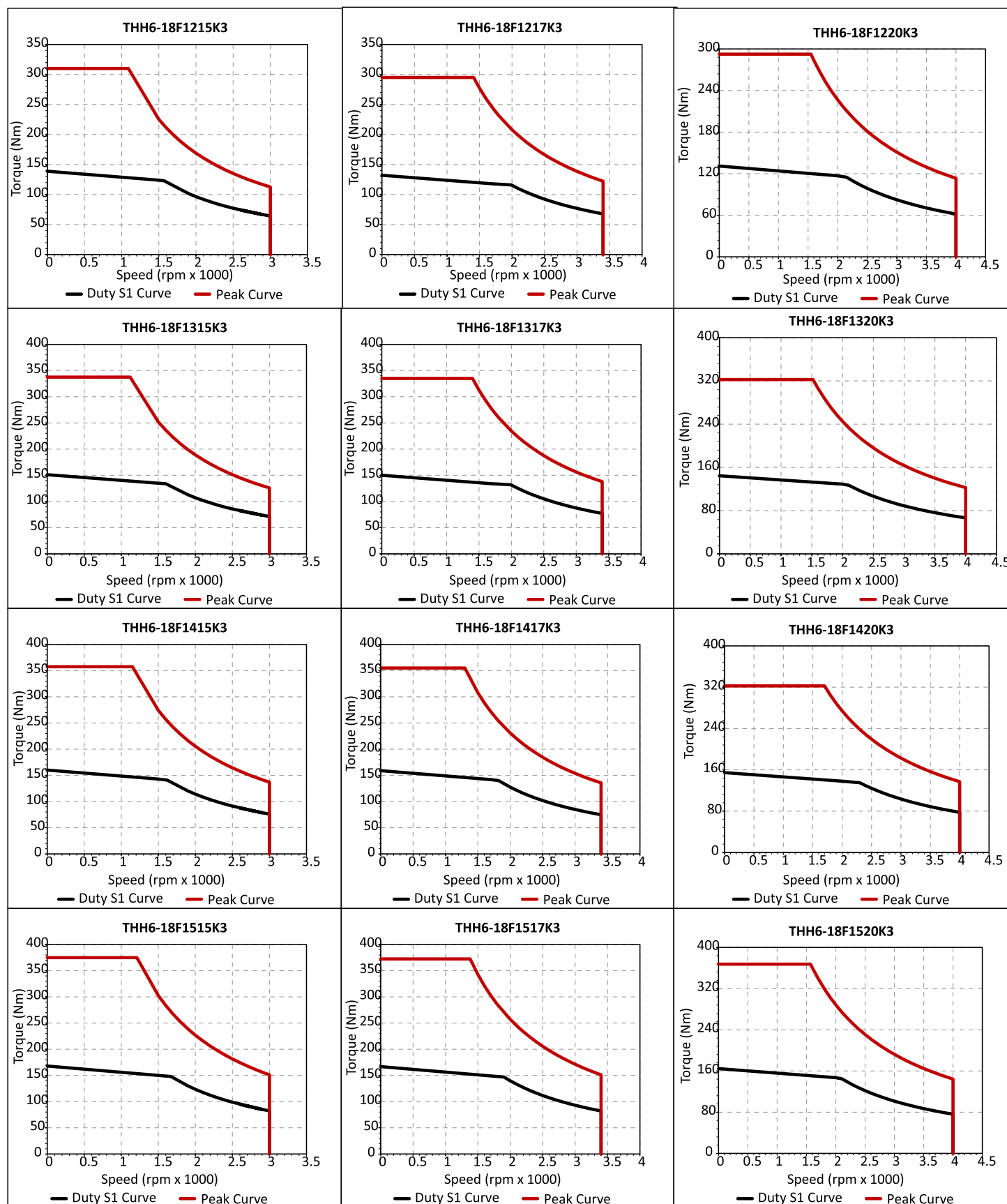


Performance curves



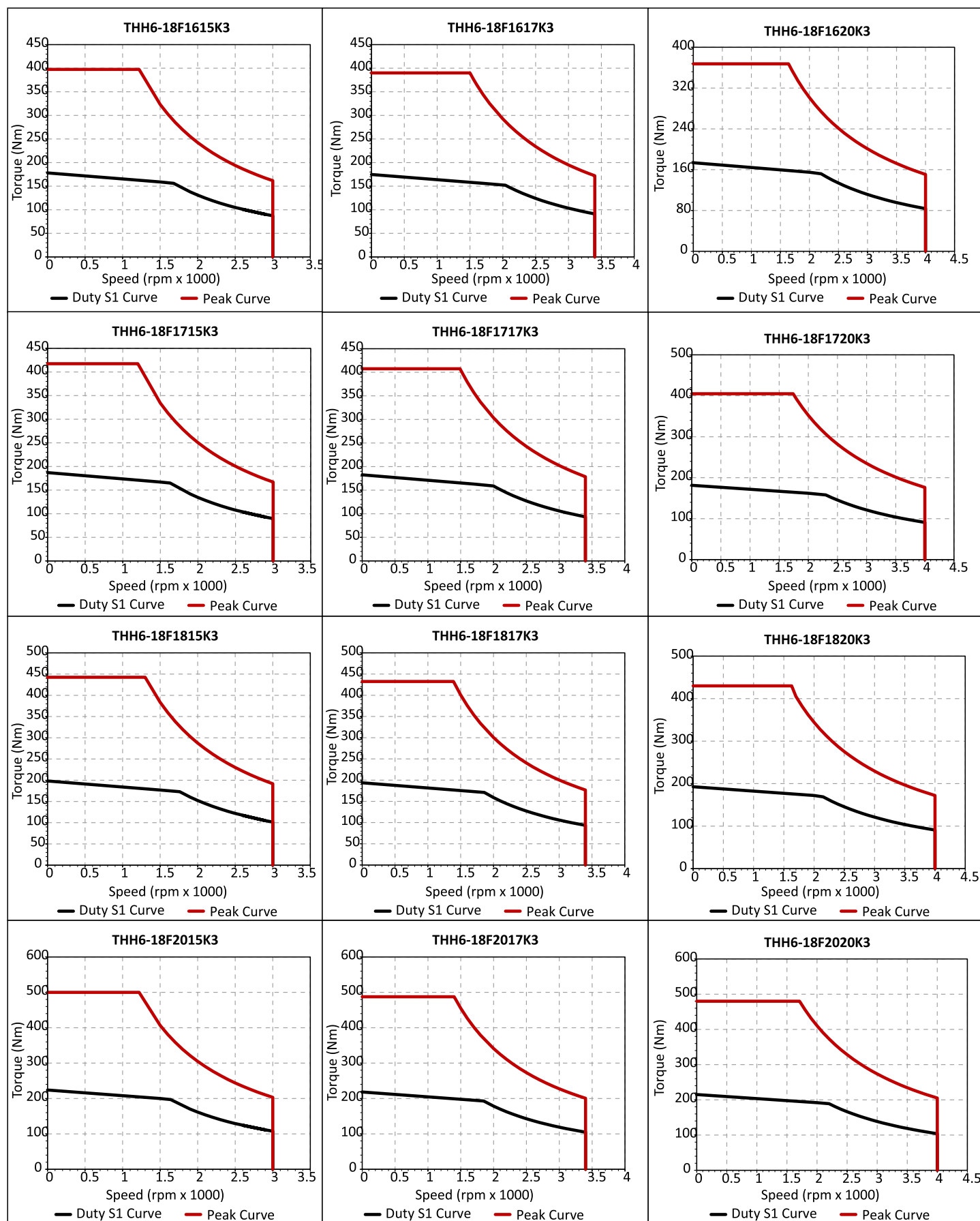


Performance curves



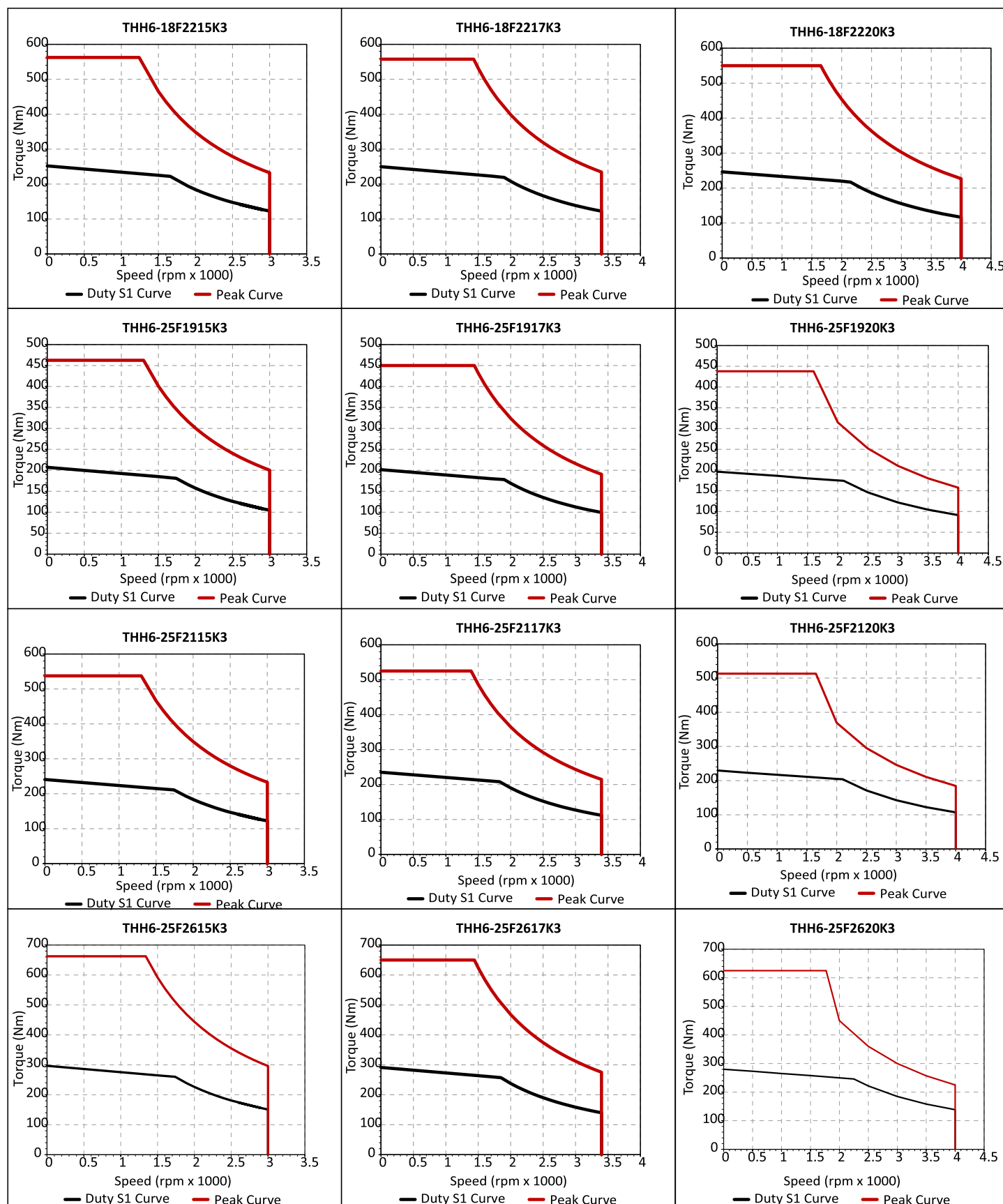


Performance curves



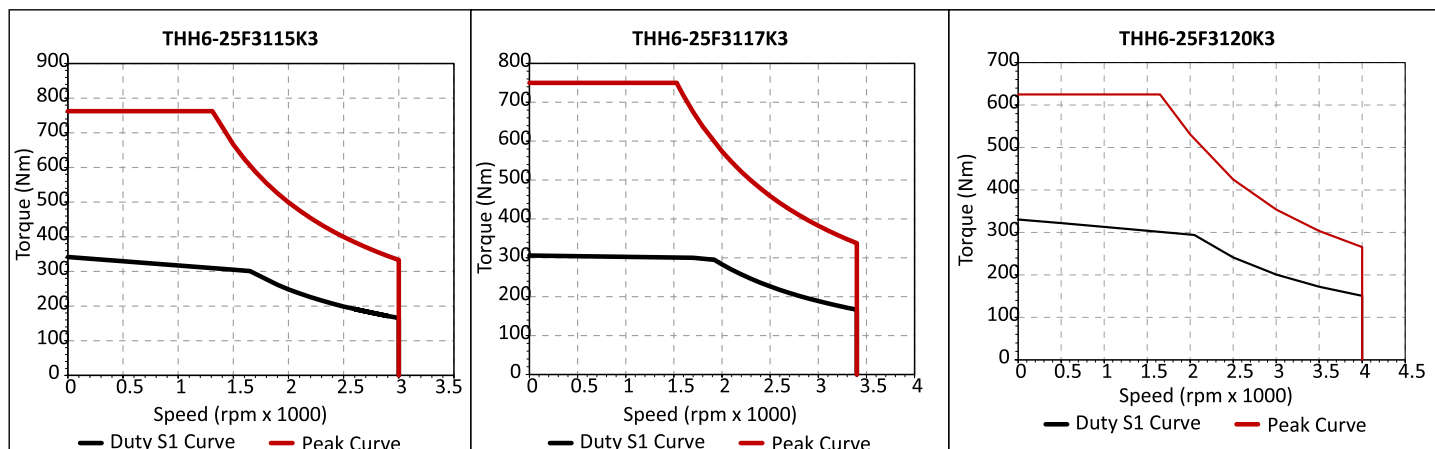


Performance curves





Performance curves



Application Industries of Servo Motor

Plastic machinery >>>>>>> New Energy vehicle >>>>>>> Fluid machine >>>>>>> Transmission machinery

