



We perform
"Best under Pressure"



HYBRID SERVO HYDRAULIC SOLUTIONS



THM HUADE HYDRAULICS PVT LTD.

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PUMPS

MOTORS

DRIVES

ACCESSORIES

FEATURES OF SERVO SYSTEM



THM
HYDRAULICS

SERVO SYSTEM



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INDUSTRY APPLICATIONS EXAMPLES

Injection molding machine



Die-casting machine



Aluminum extrusion press



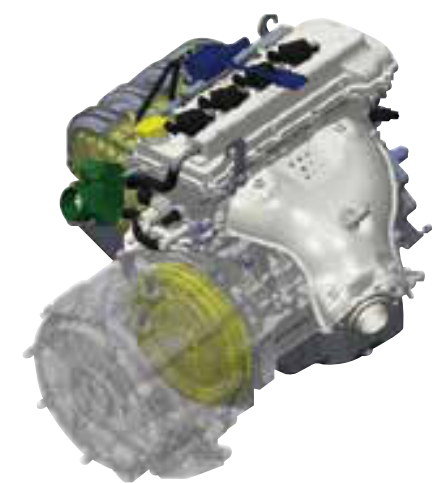
Hydraulic Press



Servo press



Motor of new energy vehicle



1. Highly efficient and energy-saving

In the field of injection molding machines, die-casting machines, and hydraulic equipment, our systems can achieve a 20% efficiency increase and an 80% energy saving effect, significantly reducing equipment tank volume for a cleaner, more environmentally friendly operation.

2. Versatile configuration options

Our system supports gear pumps, piston pumps, and other oil pumps, offering versatile applications for hydraulic equipment within a pressure range of 0-320 bar.

3. Low-maintenance design

With air-cooled or closed liquid-cooled solutions, our systems are optimized for high-dust, harsh on-site environments, minimizing maintenance needs.

4. Superior performance under various conditions

Our system ensures rapid and reliable speed and pressure closed-loop control, with parameter self-adaptation. The pressure control loop fluctuation is less than 0.5 bar, enabling high-precision control with a 0.01mm position accuracy when using our high-precision position sensors.

5. Cost-effective operation

In comparison to electric drive systems, our servo system offers fast and high-precision control, substantially reducing system costs.

6. Enhanced applicability across load conditions

Designed for versatility, our system performs optimally under various conditions, from continuous high-load operations to full-speed, full-pressure, and low-speed, low-pressure environments, ensuring peak performance at competitive prices.

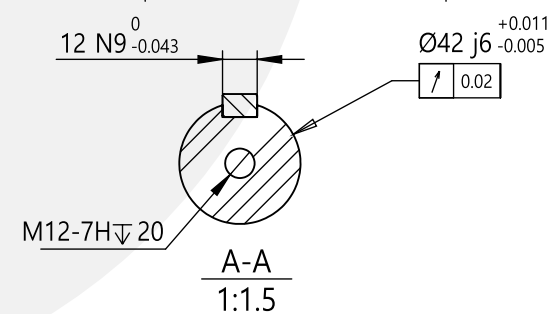
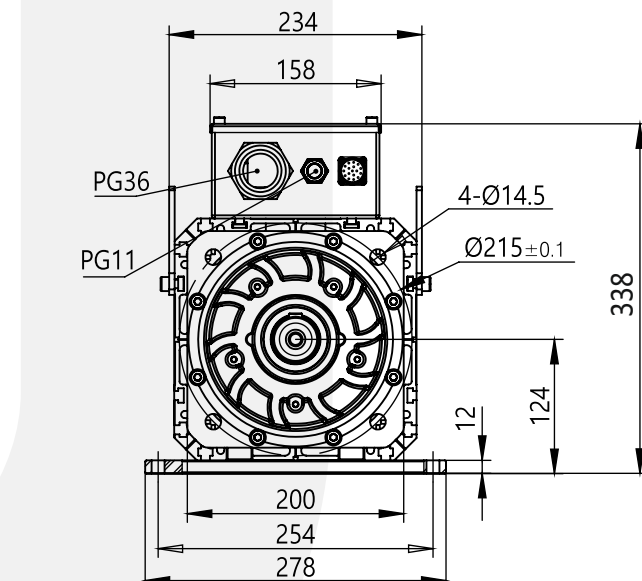
7. Enhanced compatibility and expandability

Our system is highly adaptable, supporting high-speed buses like CANopen, MODBUS, and EtherCAT(Optional). Its strong expansion capabilities allow for seamless integration into existing setups.

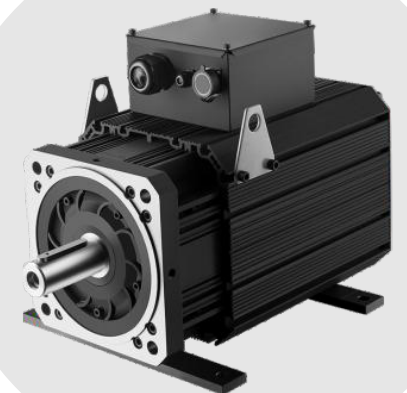
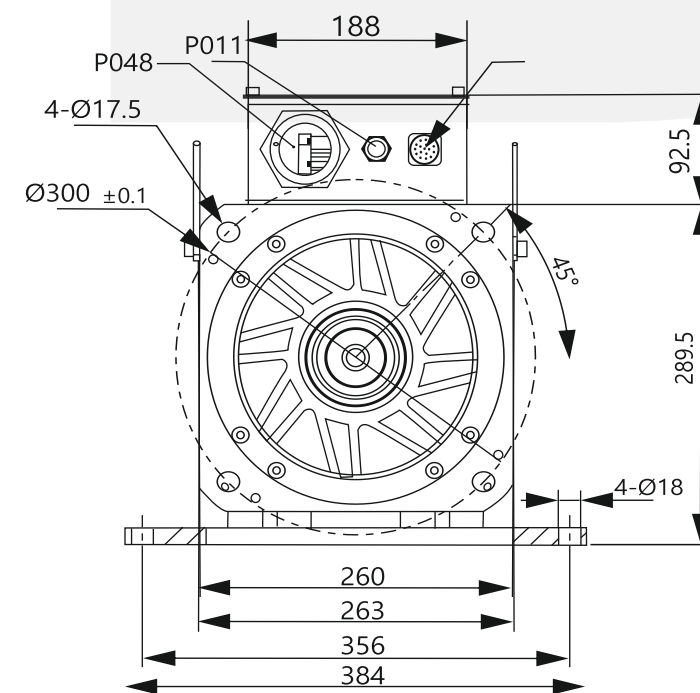
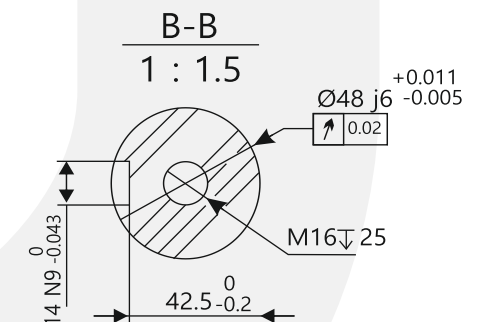
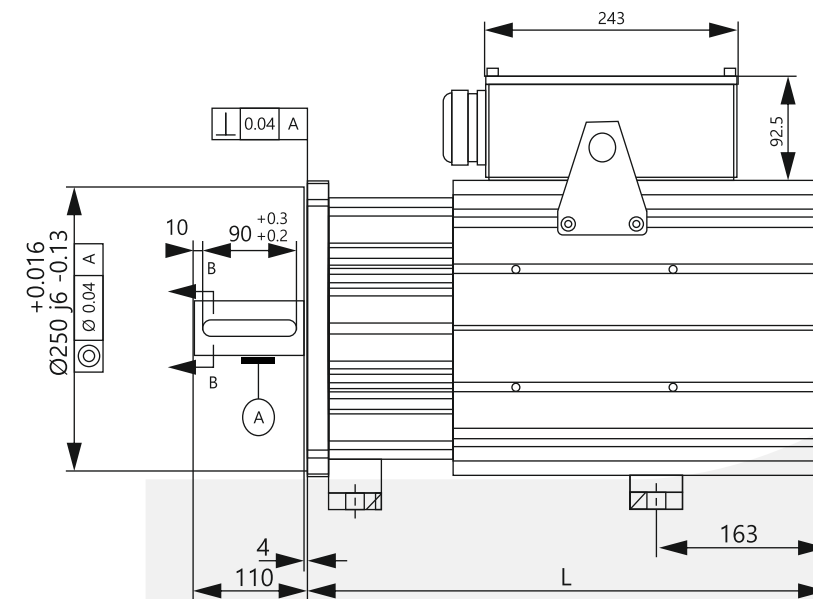


Rated Speed: 1500-1700-2000 rpm
Rated Power: 7.1~38.3 kW

(Dimensions in mm)



(Dimensions in mm)



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

Model	L (mm)
THH6-21F19**K3	496
THH6-21F21**K3	521
THH6-21F24**K3	546
THH6-21F26**K3	571
THH6-21F31**K3	621



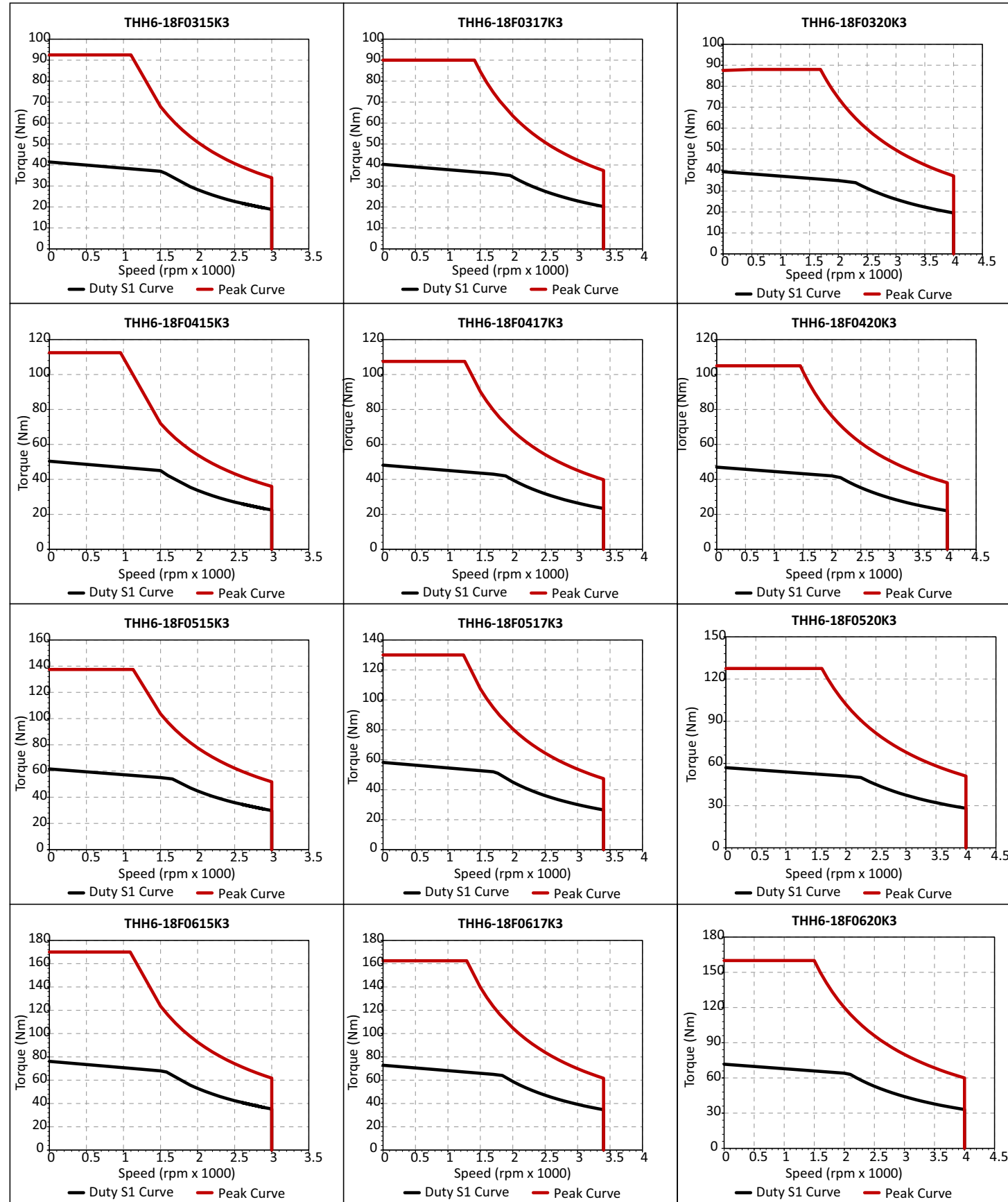
PARAMETER TABLE

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 Kg ^m 210 ⁻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)	295	531	2000	121.2	218.2	61.8	2.59	157	133	380	96.0%		

SERVO SYSTEM



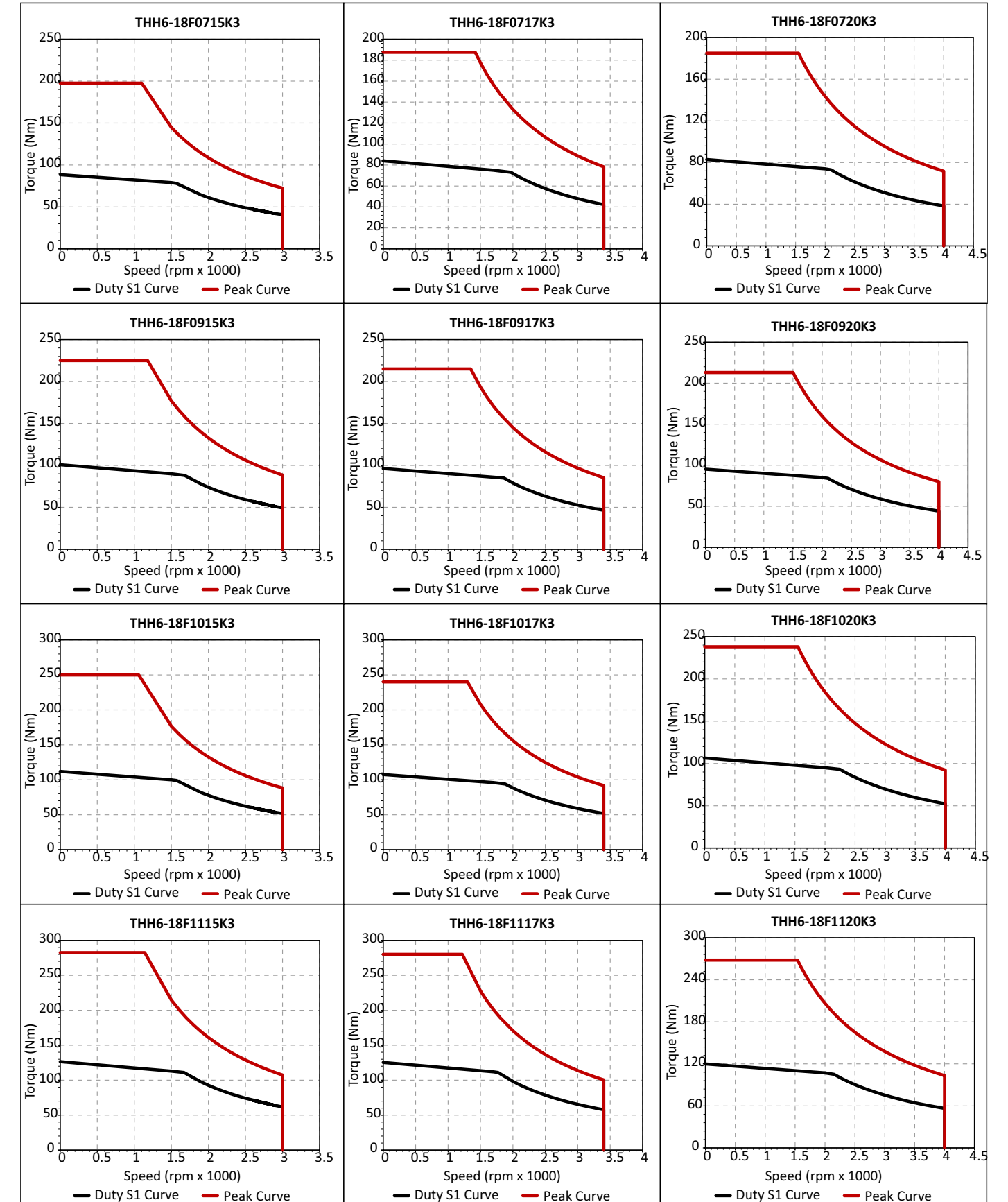
THH Series Performance Curves



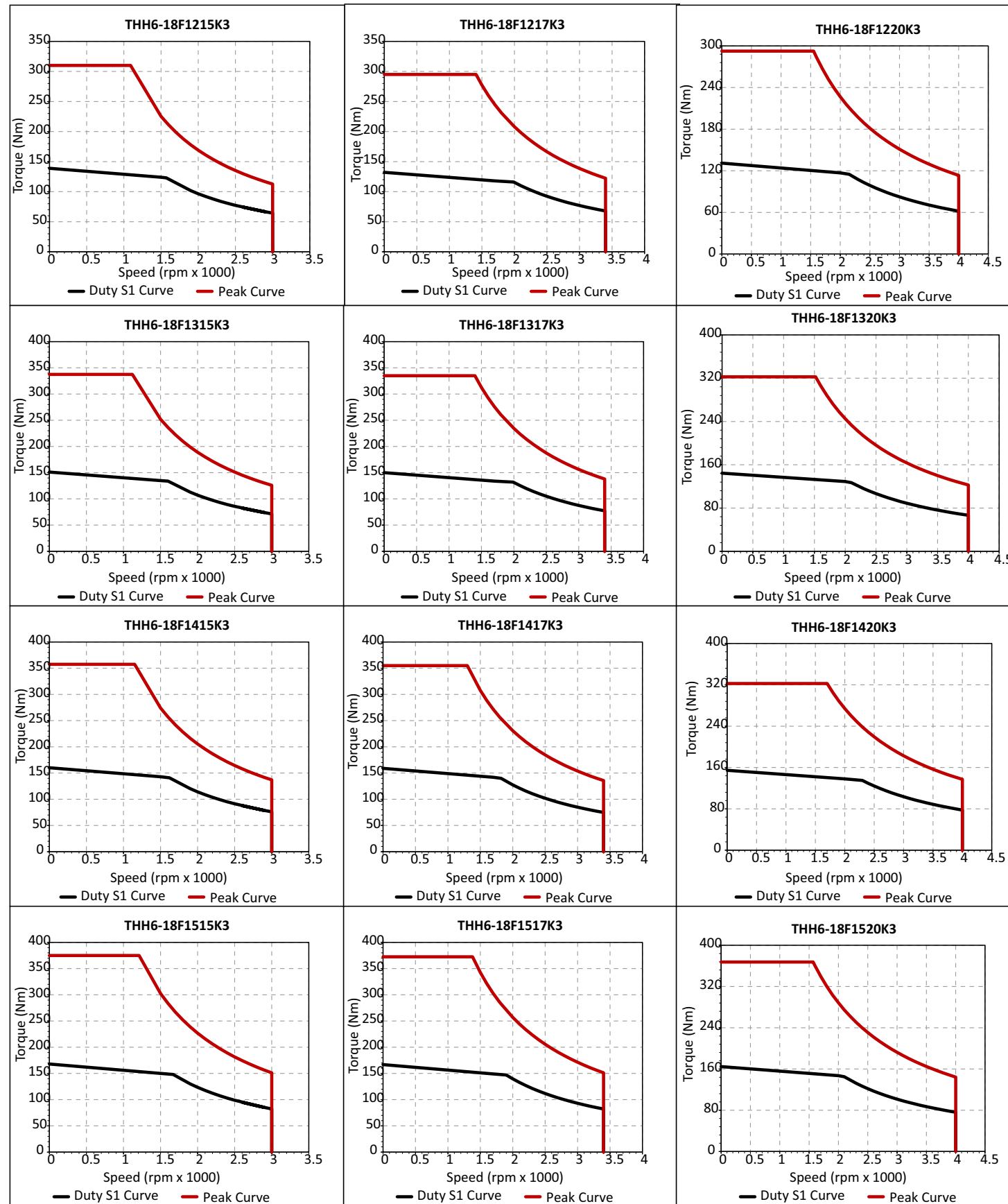
SERVO SYSTEM



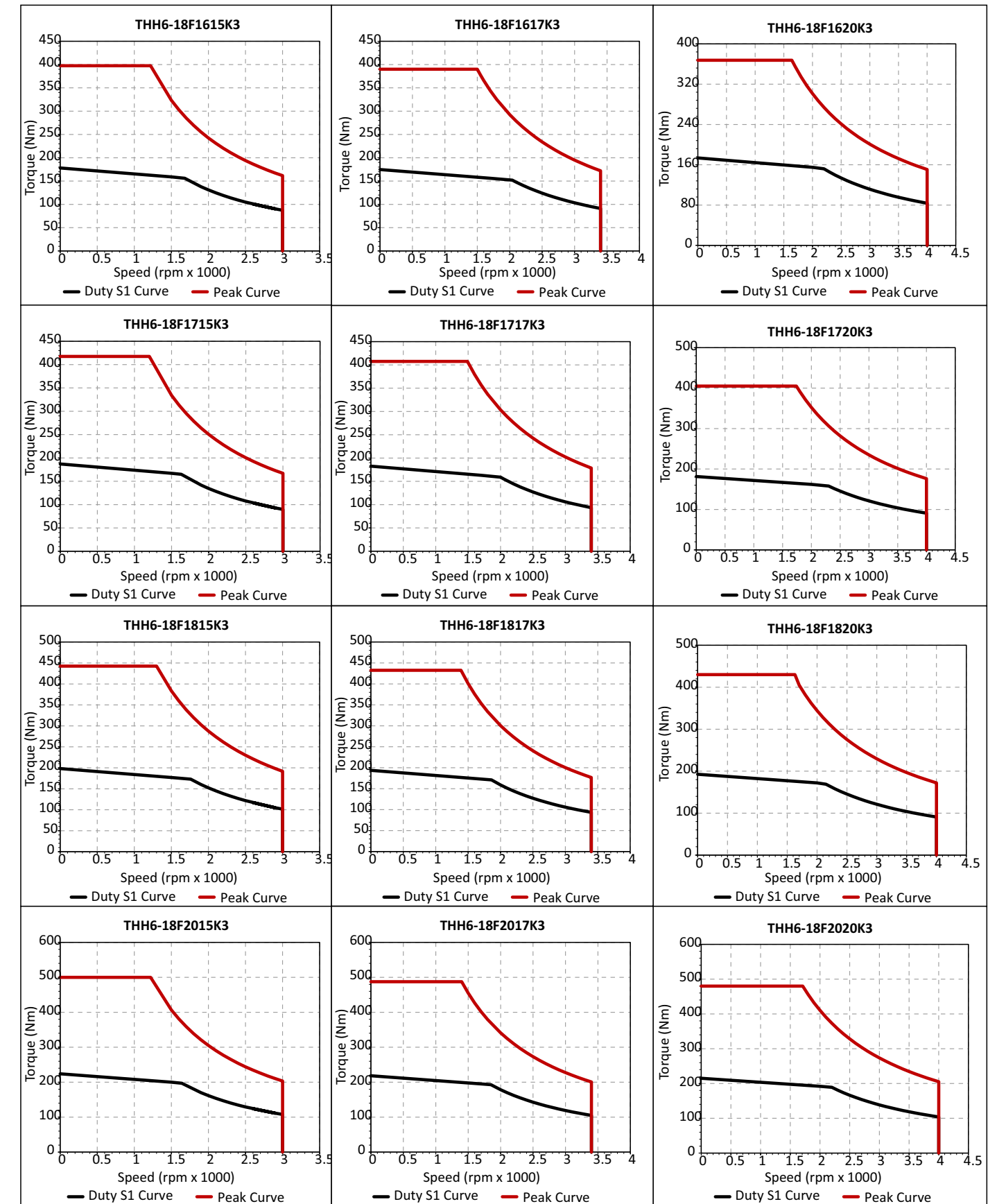
THH Series Performance Curves



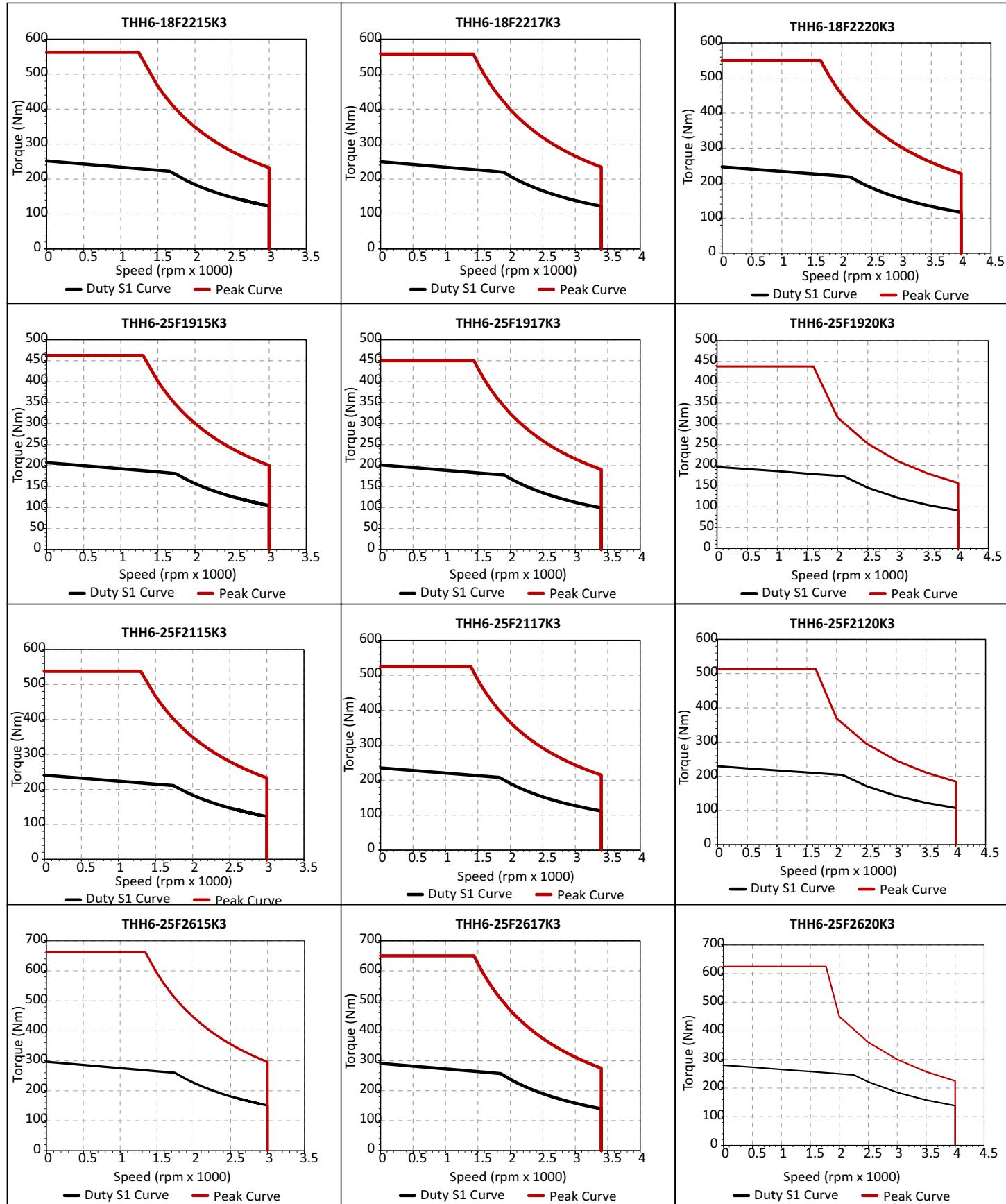
THH Series Performance Curves



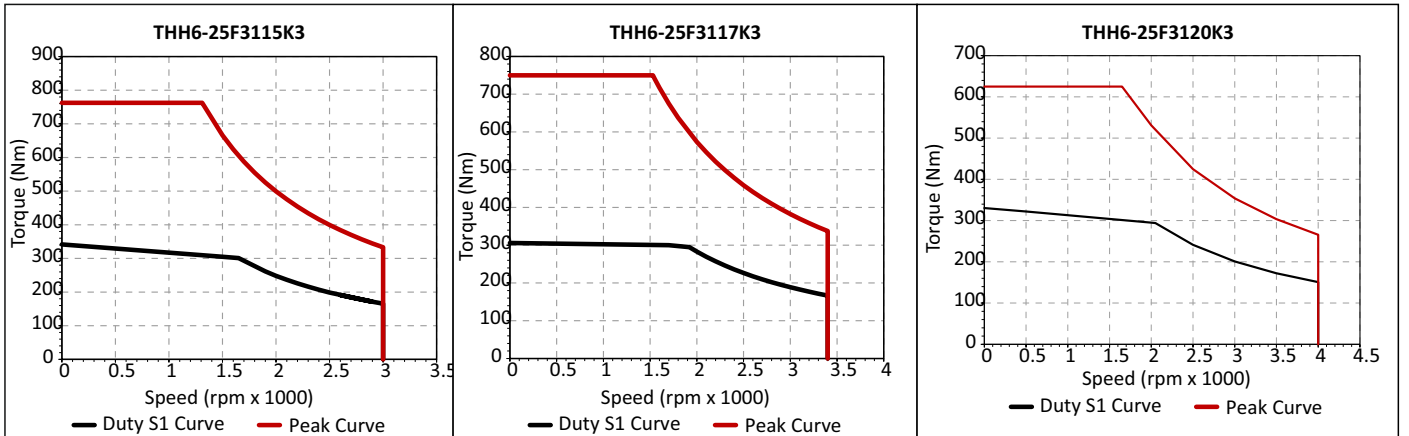
THH Series Performance Curves



THH Series Performance Curves



THH Series Performance Curves



[illegible]

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

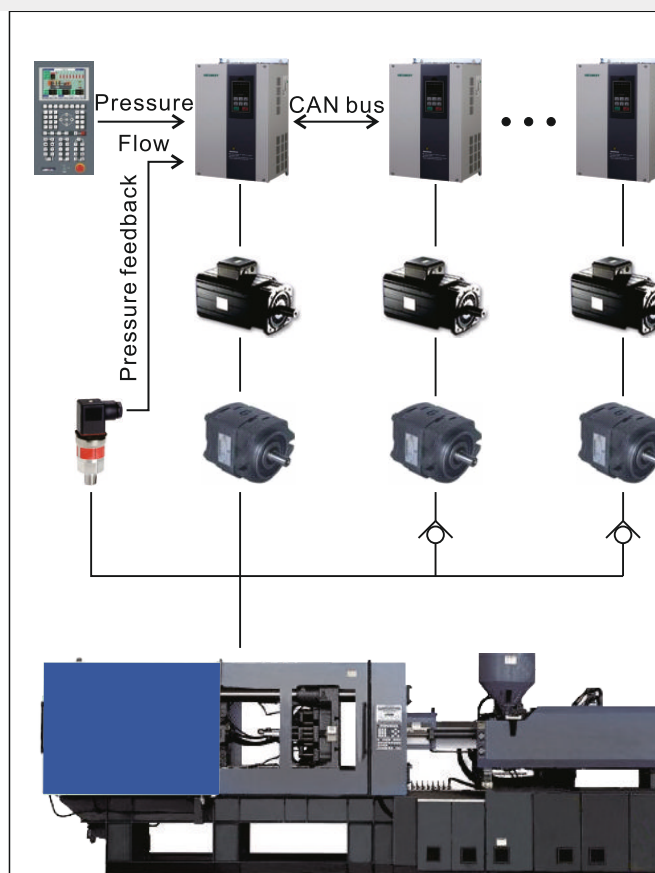
	No feet	Standard feet	Other feet
Lead wire generation junction box	1	2	3
Signal power socket form	4	5	6
Other	7	8	9

- Encoder type
- Endat single turn absolute encoders (M1, M2..)
- Endat multiturn absolute encoders (N1, N2..)
- 1Vpp sine-cosine encoders (S1,S2..)
- Resolver (R1, R2...)
- Square wave incremental encoder (D1, D2..)
- Without encoder

$= M$
 $= N$
 $= S$
 $= R$
 $= D$
 $= X$

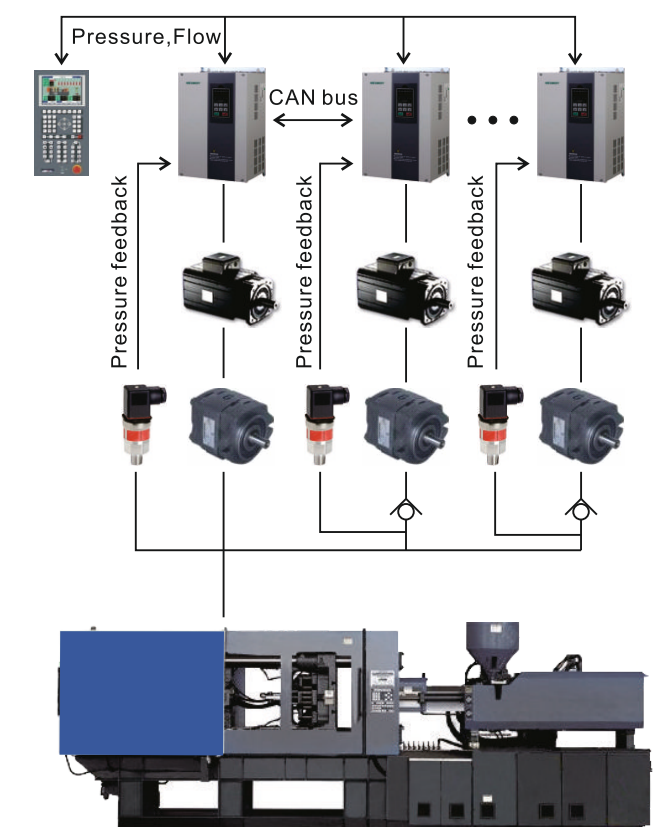
Electro-hydraulic Servo Drive

THSD-23 SERIES



Multi-pump parallel flow program

- For the same large-tonnage unit, achieve synchronous operation
- High-speed CAN bus interaction, just need to set the master, slave
- Convenient debugging, hydraulic response is fully controlled by the master PI, the slave follow the master action
- When holding pressure, the master can be automatically removed from the slave running, more energy-efficient
- Special treatment of unstable motor speed during the sol when breaking high hardness materials

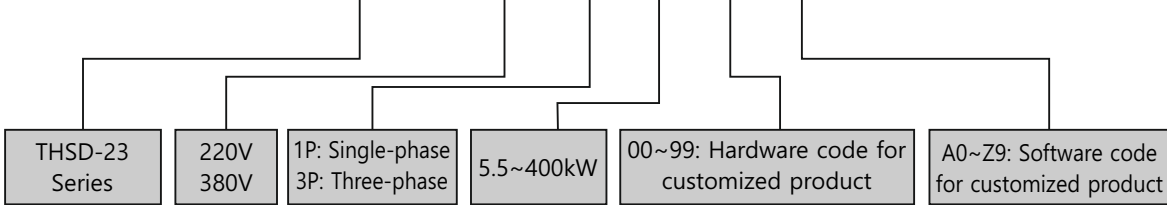


Multi-pump bypass/ parallel flow program

In the multi-pump hydraulic injection molding machine system, it can use complex control scheme of multi-pump parallel flow and bypass flow, injection molding machine system switches mode according to the needs of actual process, comparing with a simple multi-pump parallel flow system, with more energy-efficient, more efficient, etc.

ORDERING DETAILS & TECHNICAL PARAMETERS

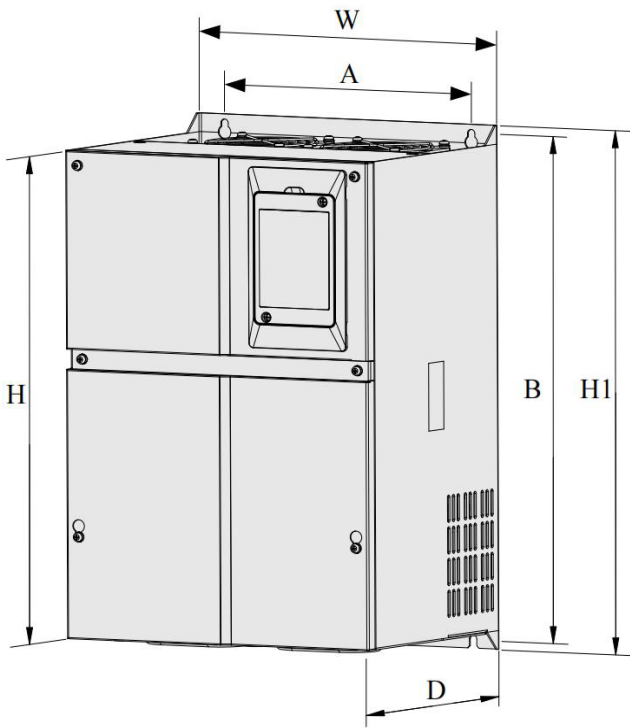
THSD-23-380V 3P 11- ** A*



Drive Model	Drive Input				Drive Output						Braking Resistor		Braking unit	DC Reactor	En-closure
	Rated Input Voltage	Rated Input Current (A)	Power Capacity (kVa)	Rated Input Frequency	Power (kW)	Output Current (A)	Default Carrier Frequency (kHz)	over-load Capacity	Max. Output voltage (V)	Max. Output Frequency (Hz)	Recom. power (kW)	Recom. Resistance (Ω)			
THSD-23-380V-3P5.5 UID: T618142032	Three Phase 380-440V	14.5	8.5	50-60 Hz	5.5	13.0	00	150% 1min & 120% 1h	380	500Hz	00	00	00	Not	IP20
THSD-23-380V-3P7.5 UID: T618142033		20.5	11.0		7.5	17.0	00				00	00			
THSD-23-380V-3P11 UID: T618142034		26.0	17.0		11	25.0	6				1.5	≥32	Built-in		
THSD-23-380V-3P15 UID: T618142035		35.0	21.0		15	32.0	4				1.5	≥32	Built-in		
THSD-23-380V-3P18.5 UID: T618142036		38.5	24.0		18.5	37.0	4				2.5	≥22	Built-in		
THSD-23-380V-3P22 UID: T618142037		46.5	30.0		22	45.0	4				2.5	≥22	Built-in		
THSD-23-380V-3P30 UID: T618142038		62.0	40.0		30	60.0	4				3	≥16	Built-in		
THSD-23-380V-3P37 UID: T618142039		76.0	57.0		37	75.0	4				4	≥16	Built-in		
THSD-23-380V-3P45 UID: T618142040		92.0	69.0		45	91.0	4				5	≥16	Built-in		
THSD-23-380V-3P55 UID: T618142041		113.0	85.0		55	112.0	3				6	≥16	Built-in		
THSD-23-380V-3P75 UID: T618142042		157.0	114.0		75	150.0	2				8	≥12	Built-in		
THSD-23-380V-3P90 UID: T618142043		180.0	134.0		90	176.0	2				11	≥8	Built-out		
THSD-23-380V-3P110 UID: T618142044		214.0	160.0		110	210.0	2				6*2	≥12*2	Built-out		
THSD-23-380V-3P132 UID: T618142045		256.0	192.0		132	253.0	2				7*2	≥8*2	Built-out		
THSD-23-380V-3P160 UID: T618142046		307.0	231.0		160	304.0	2				8.5*2	≥5*2	Built-out		

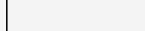
THSD-23 DRIVE INSTALLATION DIMENSIONS

DIMENSIONS IN MM



Model	Power (KW)	Rated current (A)	dimension (mm)				bolt (mm)		Installation hole dia. (mm)	packing box (mm)	N.W (KG)	G.W (KG)
			H	H1	W	D	A	B				
THSD-23-380V-3P5.5	5.5	13	248		160	183	148	236	5	30.5*21.5*25.5	3.22	3.6
THSD-23-380V-3P7.5	7.5	17	248		160	183	148	236	5	30.5*21.5*25.5	3.58	4.0
THSD-23-380V-3P11	11	25	322		208	192	190	305	6	41*29.5*28.5	5.04	5.8
THSD-23-380V-3P15	15	32	322		208	192	190	305	6	41*29.5*28.5	5.18	6.0
THSD-23-380V-3P18.5	18.5	37	322		208	192	190	305	6	41*29.5*28.5	5.44	6.2
THSD-23-380V-3P22	22	45	322		208	192	190	305	6	41*29.5*28.5	6.1	6.9
THSD-23-380V-3P22	22	45	432	463	285	228	235	447	6.5	56*38*33	15	16.5
THSD-23-380V-3P30	30	60	432	463	285	228	235	447	6.5	56*38*33	15.32	16.8
THSD-23-380V-3P37	37	75	432	463	285	228	235	447	6.5	56*38*33	16.36	17.8
THSD-23-380V-3P45	45	91	549	600	385	265	260	580	10	610*415*300	27.62	33.7
THSD-23-380V-3P55	55	112	549	600	385	265	260	580	10	610*415*300	27.96	34.0
THSD-23-380V-3P75	75	150	549	600	385	265	260	580	10	610*415*300	31	37.1
THSD-23-380V-3P90	90	176	660	700	473	307	343	678	10	750*515*335	42.16	50.2
THSD-23-380V-3P110	110	210	660	700	473	307	343	678	10	750*515*335	42.74	50.7
THSD-23-380V-3P132	132	253	880	930	579	380	449	903	10	960*600*400	78.16	94.5
THSD-23-380V-3P160	160	304	880	930	579	380	449	903	10	960*600*400	80.1	96.4

 = Plastic Shell

 = Sheet Metal

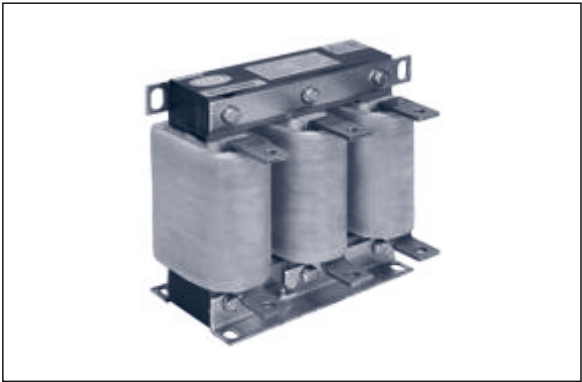
Input AC Reactor

Product Profile

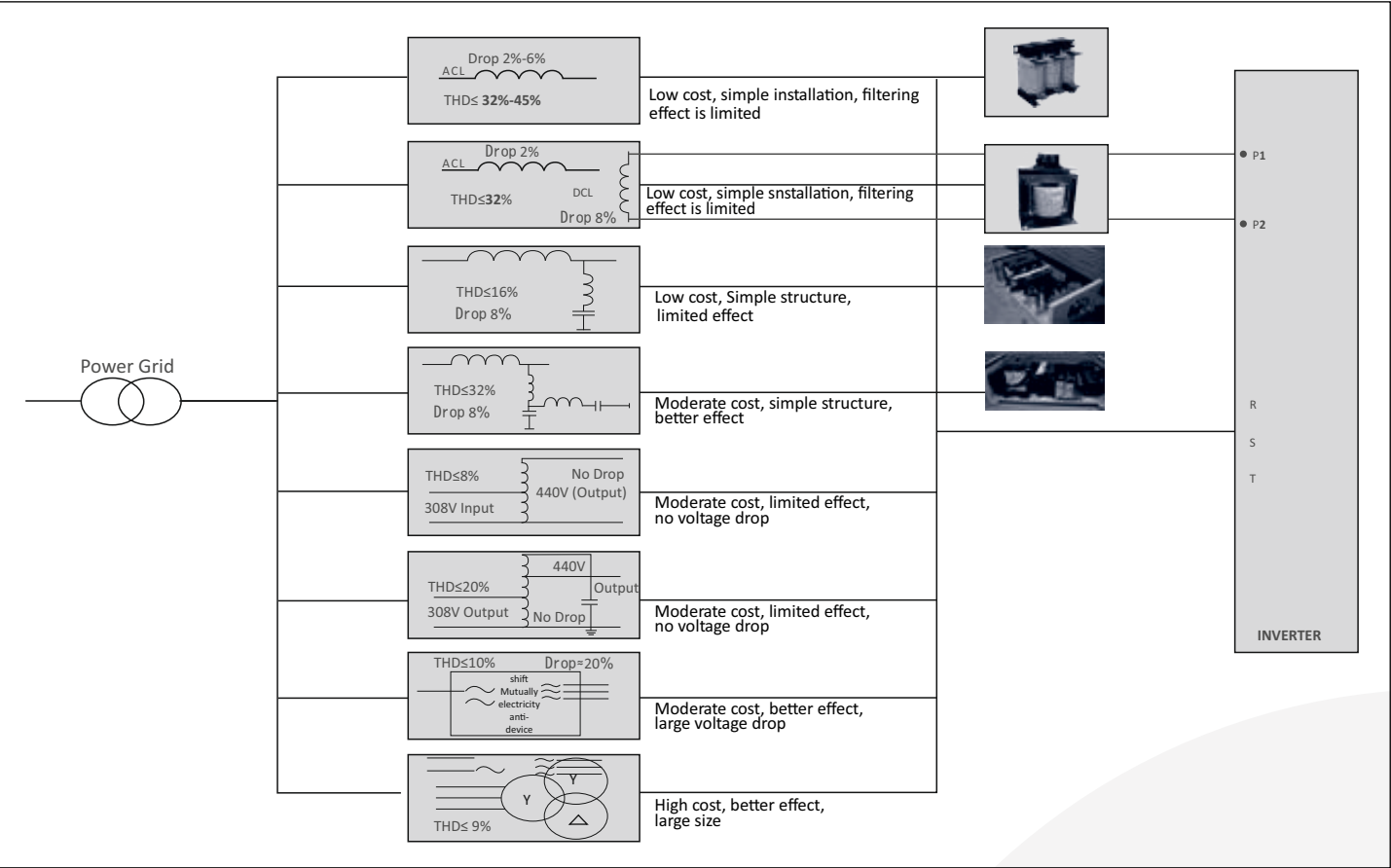
Input AC Reactor is applied at the AC drive input side to suppress inrush voltage, designed to reduce inrush & peak current, improve the real power factor, restrain the grid harmonics and improve the input current waveform.

Product Features

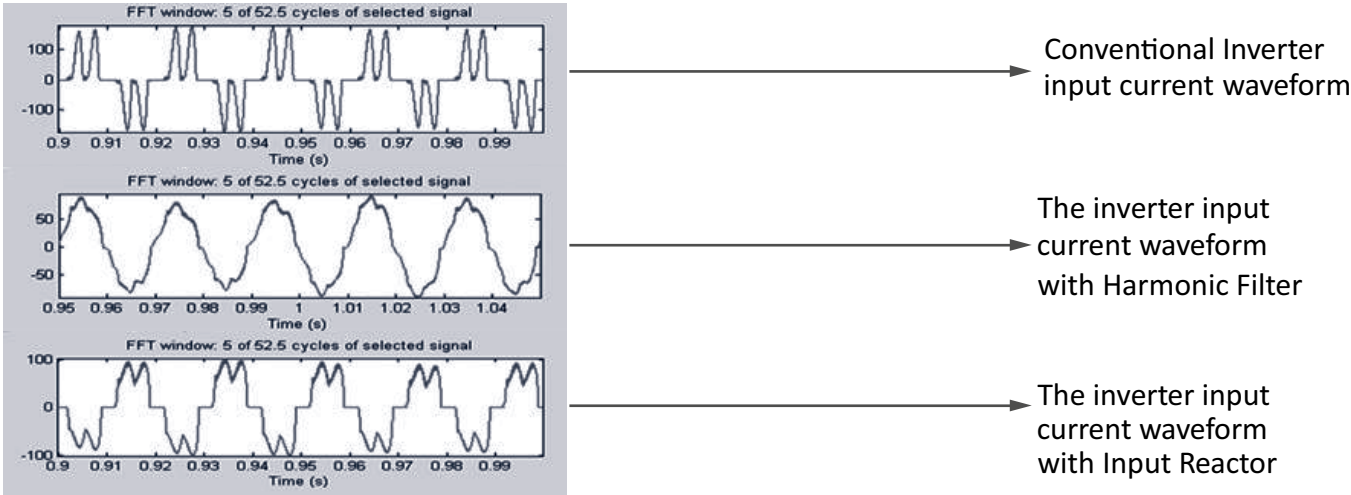
Input AC Reactor: Due to the excellent foil winding structure, Input AC Reactor is characterized by small DC resistance, strong resistance to electromagnetic force and strong short-time overload capability. F Class insulation materials equip the products with reliable performance even in harsh operating conditions; designed with low magnetic flux density , the reactor is of high linearity and powerful overload capacity. Moreover, combined with VPI process ,the reactor noise is low; With the core made of grain-oriented cold rolled silicon steel sheets, the reactor boasts high efficiency, low core loss and low temperature rise.



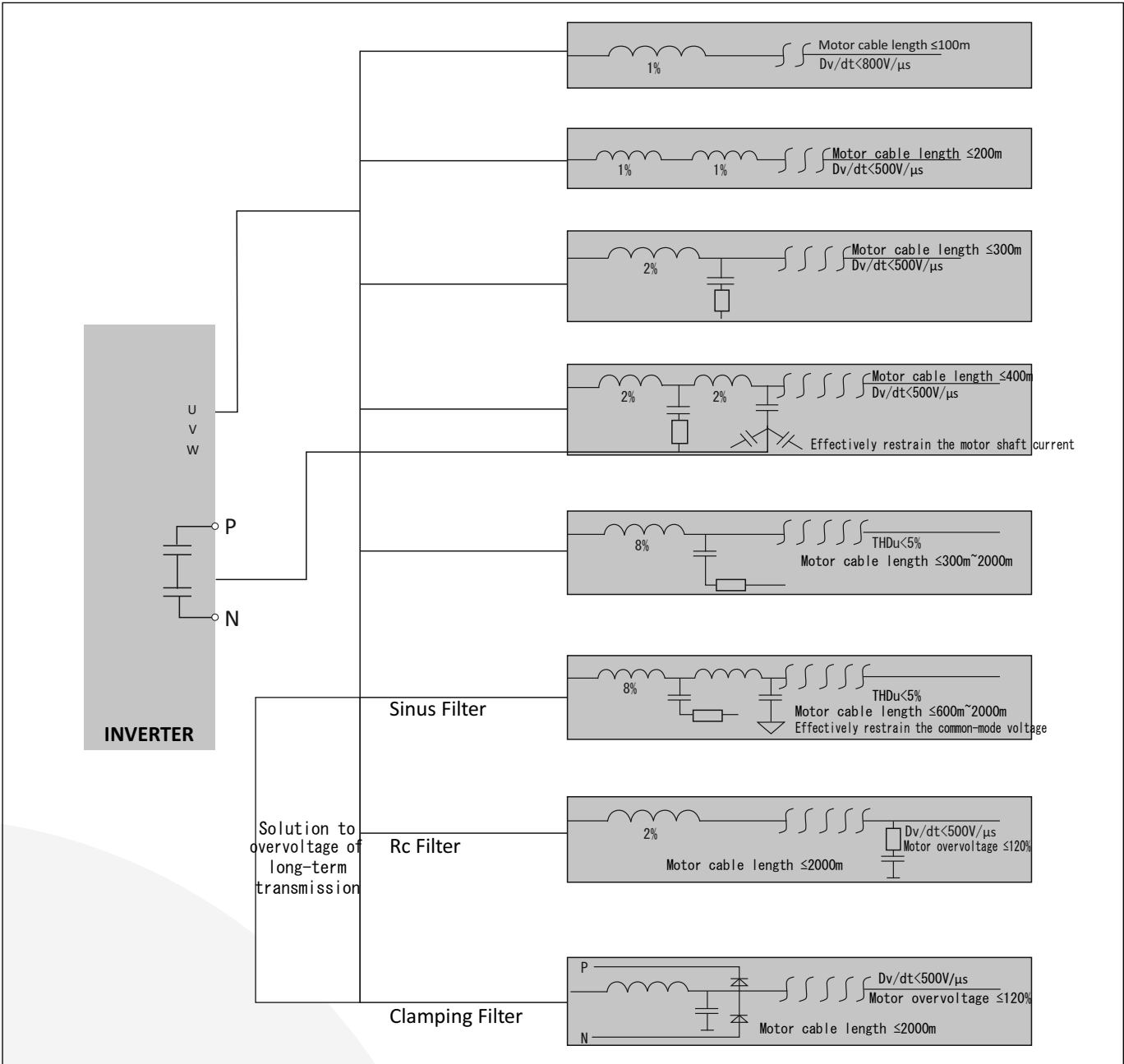
Solutions to the inverter input side



Inverter input current waveform



Solution to the inverter output side

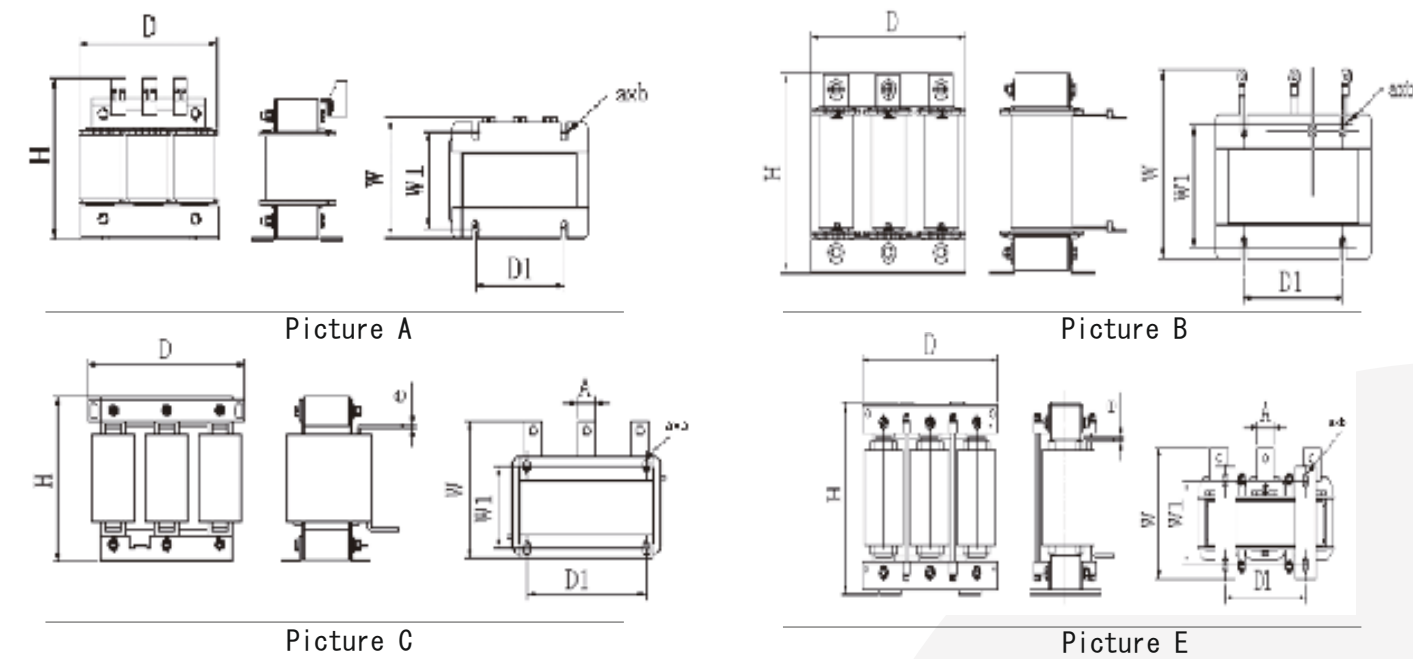


380V Input AC Reactor Selection Table

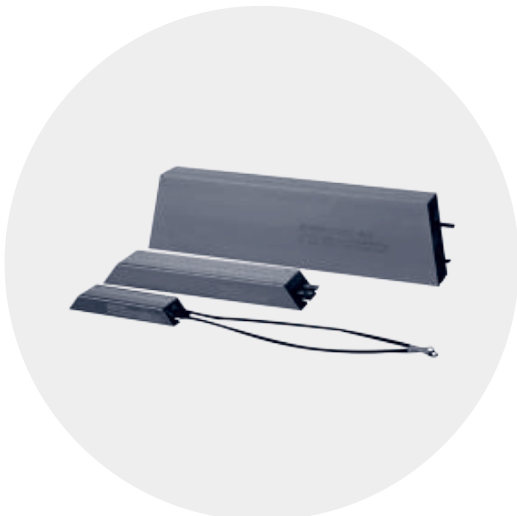
No	Power (kW)	Rated current (A)	Inductance value (mH)	Voltage drop	Insulation class	Reactor type	Picture No.	Product specifications						
								D*H*W (mm)	D1*W1 (mm)	a*b (mm)	Øc (mm)	A*e (mm)	Material	Weight (kg)
1	1.5	5	2.8	2%	F	ACL-0005-EISC-E2M8C (UID:T618142109)	A	110*130*95	91*65	6*11	/	/	Cu	2.4
2	2.2	7	2.0	2%	F	ACL-0007-EISC-E2M0C (UID:T618142110)		110*130*95	91*65	6*11	/	/	Cu	2.5
3	3.7	10	1.4	2%	F	ACL-0010-EISC-E1M4C (UID:T618142111)		110*130*95	91*65	6*11	/	/	Cu	2.6
4	5.5	15	0.93	2%	F	ACL-0015-EISL-EM93C (UID:T618142112)		125*135*95	40*64	6*9	/	/	Cu	3.3
5	7.5	20	0.7	2%	F	ACL-0020-EISL-EM70C (UID:T618142113)		125*135*95	40*64	6*9	/	/	Cu	3.3
6	11	30	0.47	2%	F	ACL-0030-EISL-EM47C (UID:T618142114)	B	200*125*116	120*72	8.5*20	/	/	Cu	4.9
7	15	40	0.35	2%	F	ACL-0040-EISL-EM35C (UID:T618142115)		200*125*116	120*72	8.5*20	/	/	Cu	4.9
8	18.5	50	0.28	2%	F	ACL-0050-EISL-EM28C (UID:T618142116)		200*160*120	120*72	8.5*20	/	/	Cu	5.9
9	22	60	0.24	2%	F	ACL-0060-EISL-EM24C (UID:T618142117)		200*150*120	120*72	8.5*20	/	/	Cu	5.9
10	30-37	90	0.16	2%	F	ACL-0090-EISL-EM16C (UID:T618142118)		200*160*120	120*72	8.5*20	/	/	Cu	6.9
11	45	120	0.12	2%	F	ACL-0120-EISL-EM12C (UID:T618142119)	C	200*140*155	120*72	8.5*20	/	/	Cu	10
12	55	150	0.095	2%	F	ACL-0150-EISL-E95UC (UID:T618142120)		195*210*160	120*92	8.5*20	11	25*6	AL	14
13	75	200	0.070	2%	F	ACL-0200-EISL-E70UC (UID:T618142121)		195*220*170	120*102	8.5*20	11	25*6	AL	16
14	90-110	250	0.056	2%	F	ACL-0250-EISH-E56UC (UID:T618142122)		250*230*170	182*96	11*18	11	25*6	AL	18
15	132	290	0.048	2%	F	ACL-0290-EISH-E48UC (UID:T618142123)		250*230*180	182*96	11*18	12	30*6	AL	21
16	160	330	0.042	2%	F	ACL-0330-EISH-E42UC (UID:T618142124)	E	250*235*190	182*106	11*18	12	30*6	AL	22
17	185	390	0.036	2%	F	ACL-0390-EISH-E36UC (UID:T618142125)		290*250*185	214*100	11*18	12	30*6	AL	25
18	220	490	0.028	2%	F	ACL-0490-EISH-E28UC (UID:T618142126)		300*280*205	214*110	11*18	13	40*8	AL	33
19	250	530	0.026	2%	F	ACL-0530-EISH-E26UC (UID:T618142127)		300*280*205	214*110	11*18	13	40*8	AL	42
20	280	600	0.023	2%	F	ACL-0600-EISH-E23UC (UID:T618142128)		300*280*230	214*130	11*18	13	40*8	AL	42
21	300	660	0.021	2%	F	ACL-0660-EISH-E21UC (UID:T618142129)		300*280*230	214*130	11*18	13	40*8	AL	45
22	380	800	0.017	2%	F	ACL-0800-EISH-E17UC (UID:T618142130)		330*350*235	243*132	12*20	2*12	60*8	AL	55
23	450	1000	0.014	2%	F	ACL-1000-EISH-E14UC (UID:T618142131)		330*385*250	243*132	12*20	2*12	60*10	AL	56
24	550	1250	0.011	2%	F	ACL-1250-EISH-E11UC (UID:T618142132)		330*425*275	243*157	12*20	2*12	60*10	AL	76
25	800	1600	0.0087	2%	F	ACL-1600-EISH-E8U7C (UID:T618142133)		395*430*330	275*175	12*20	4*12	60*12	AL	113

Parameters are for reference only. If you have any questions, contact our sales department please.
Information about the parameters is subject to change without notice.

Product Size



Aluminum Enclosure Resistor



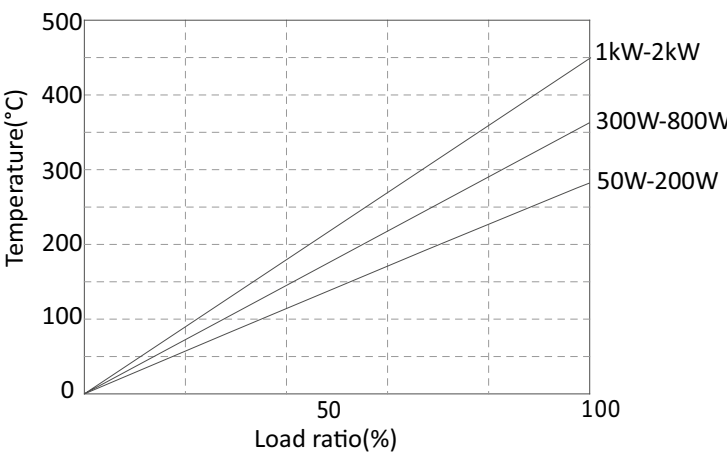
Product Profile

RXLG series resistors are superior to conventional ceramic-skeleton resistors in terms of weatherproof , oscillation-resistant and safety , and are widely applied to electrical circuits demanding high adaptability to bad industrial operating conditions such as power supply , inverters and servo systems. They can be easily fixed in an airtight manner and with an additional radiator. With neat appearance, it is an ideal auxiliary product for power and electronic products.

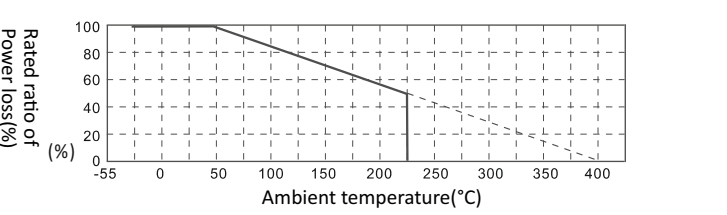
Product Features

Rated power range: 60W-2000W
Operating voltage range: <1.2kV
Rated resistance range: 1R-10kR
Dielectric strength: AC3KV 50Hz/5s
IP rating: IP00/IP33
Vibration: 1.5g
Temperature coefficient: ≤400ppm/°C
Element material:Fe-Cr-Al alloy
Advantage:for harsh environment
Disadvantage:low operating voltage

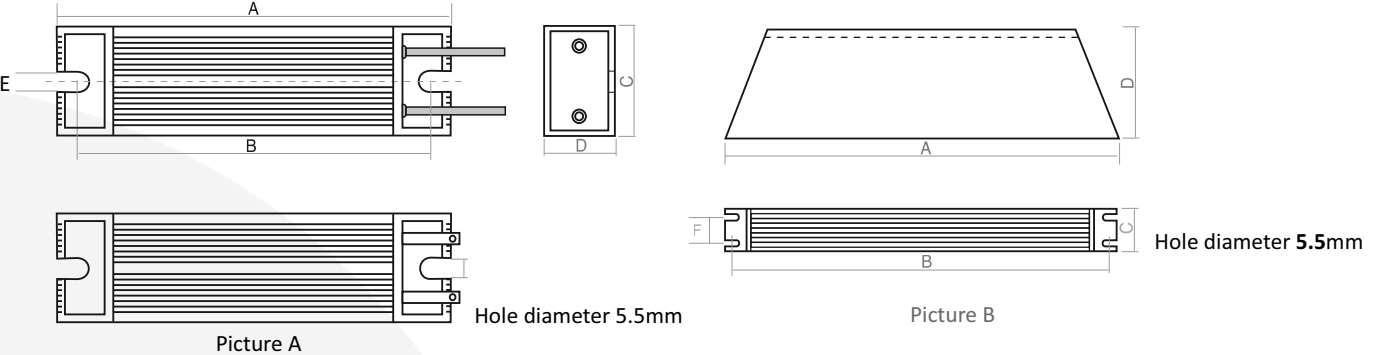
Product Features



Detailing Curve



Product Size



Aluminum Enclosure Resistor

Product Size

Type	Rated power(W)	Product picture	Dimension(mm)							Connecting wire(mm)	Lead length (mm)	Terminal	Weight(Kg)	Resistance range(Ω)	Connection	Product UID
			A	B	C	D	E	F	G							
RXLG	60	Picture A	115	98	40	20	5.6			1.5	500	2-5S	0.165	1Ω-10KΩ	Cable	T618142134
RXLG	80		140	123	40	20	5.6			1.5	500	2-5S	0.2	1Ω-10KΩ		T618142135
RXLG	100		165	148	40	20	5.6			1.5	500	2-5S	0.24	1Ω-10KΩ		T618142136
RXLG	120		190	173	40	20	5.6			1.5	500	2-5S	0.28	1Ω-10KΩ		T618142137
RXLG	150		215	198	40	20	5.6			1.5	500	2-5S	0.32	1Ω-10KΩ		T618142138
RXLG	200		165	147	60	30	5.6			1.5	500	2-5S	0.464	1Ω-10KΩ	T618142139	
RXLG	300		215	197	60	30	5.6			1.5	500	2-5S	0.62	1Ω-10KΩ	T618142140	
RXLG	400		265	247	60	30	5.6			1.5	500	2-5S	0.8	1Ω-10KΩ	T618142141	
RXLG	500	Picture B	335	317	60	30	5.6			1.5	500	2-5S	1.03	1Ω-10KΩ	Cable/ Terminal	T618142142
RXLG	800		400	382	61	59		40.5	5.5	1.5	500	M6	2.2	1Ω-10KΩ		T618142143
RXLG	1000		400	384	50	107		30	5.5	4	500	M6	3.6	5Ω-10KΩ		T618142144
RXLG	1200		450	434	50	107		30	5.5	4	500	M6	4	5Ω-10KΩ		T618142145
RXLG	1500		485	469	50	107		30	5.5	4	500	M6	4.35	5Ω-10KΩ		T618142146
RXLG	2000		550	534	50	107		30	5.5	4	500	M6	4.9	5Ω-10KΩ		T618142147

ROHS request should be noted in the orders.(For other parameter requirements, please consult our salespeople)
Parameters are for reference only. If you have any questions, contact our sales department please. Information about the parameters is subject to change without notice.

Mechanical And Electrical Properties

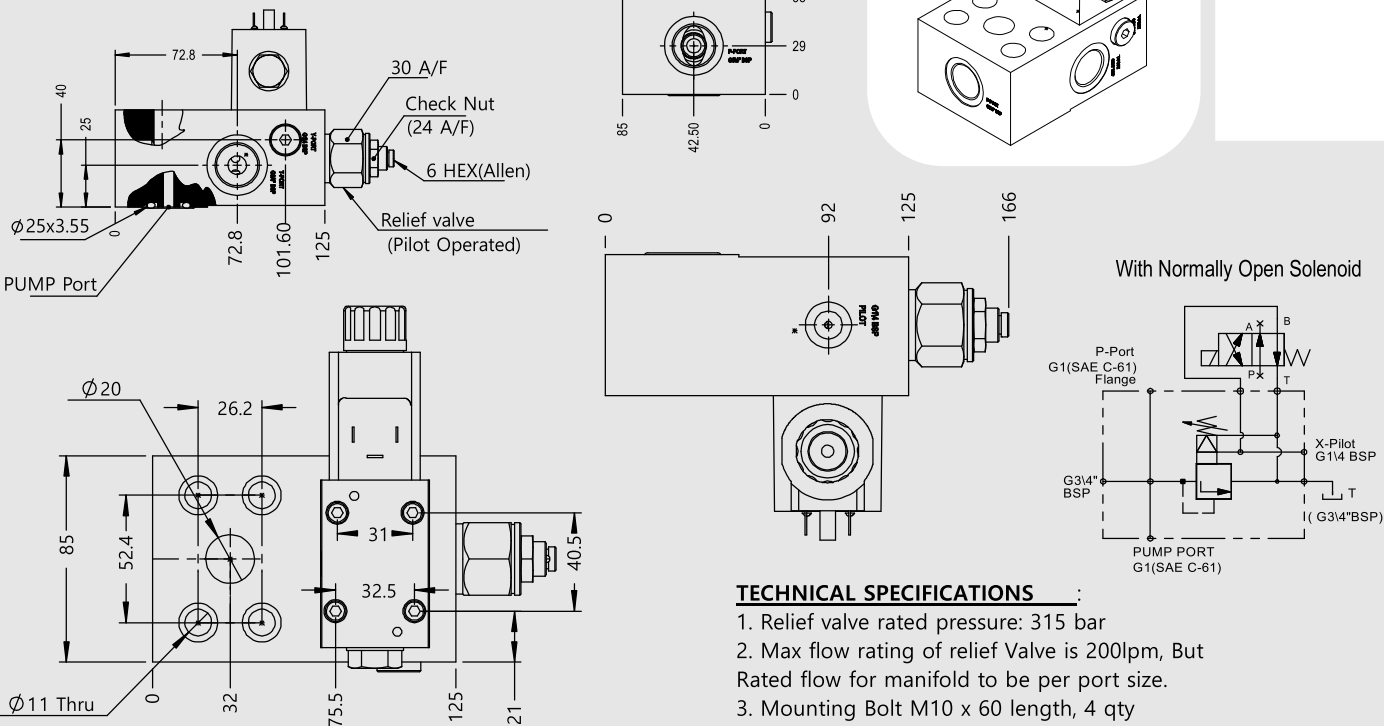
Property	Inspection method	Performance requirements	Test method
Constant humidity-heat	Temperature 40°C,RH(90-95)% 96h	$R \leq \pm (5\% \pm 0.05\Omega)$	GB5729.2.24
Temperature change	-55°C to +55°C,3 Circes	$R \leq \pm (2\% \pm 0.05\Omega)$	GB5729.4.19
Transient overload	10 Time Pr 5s	No visible destruction $R \leq \pm (1\% \pm 0.05\Omega)$	GB5729.4.13
Insulation resistance	DC 1000V	$R \geq 100M\Omega$	GB5729.4.6
Voltage resistibility	AC3000V 50Hz 5s	Free of breakage or flying arc	GB5729.4.7
Life	25°C Ur 1000h	$R \leq 20\%$	
Terminal strength	45N 30S	Free of visible destruction	GB5729.4.16
Vibration resistibility	f:5-200HZ a=1g X.Y.Z 2h each	$R \leq \pm (1\%R + 0.05\Omega)$ Free of visible destruction	GB5729.4.22

Mechanical And Electrical Properties

RXLG	2K00	0032	9999G	J
Product type	Rated power 50W-2000W 0020-20W 2K00-2KW	Resistance value(ohm) (Ω)indicates resistance value in units of ohms 0R08-0.08Ω/ 0032-32Ω/8K00-8KΩ	Connection G= Terminal H= Lead	Resistance tolerance H=±3% K=±10% J=±5%

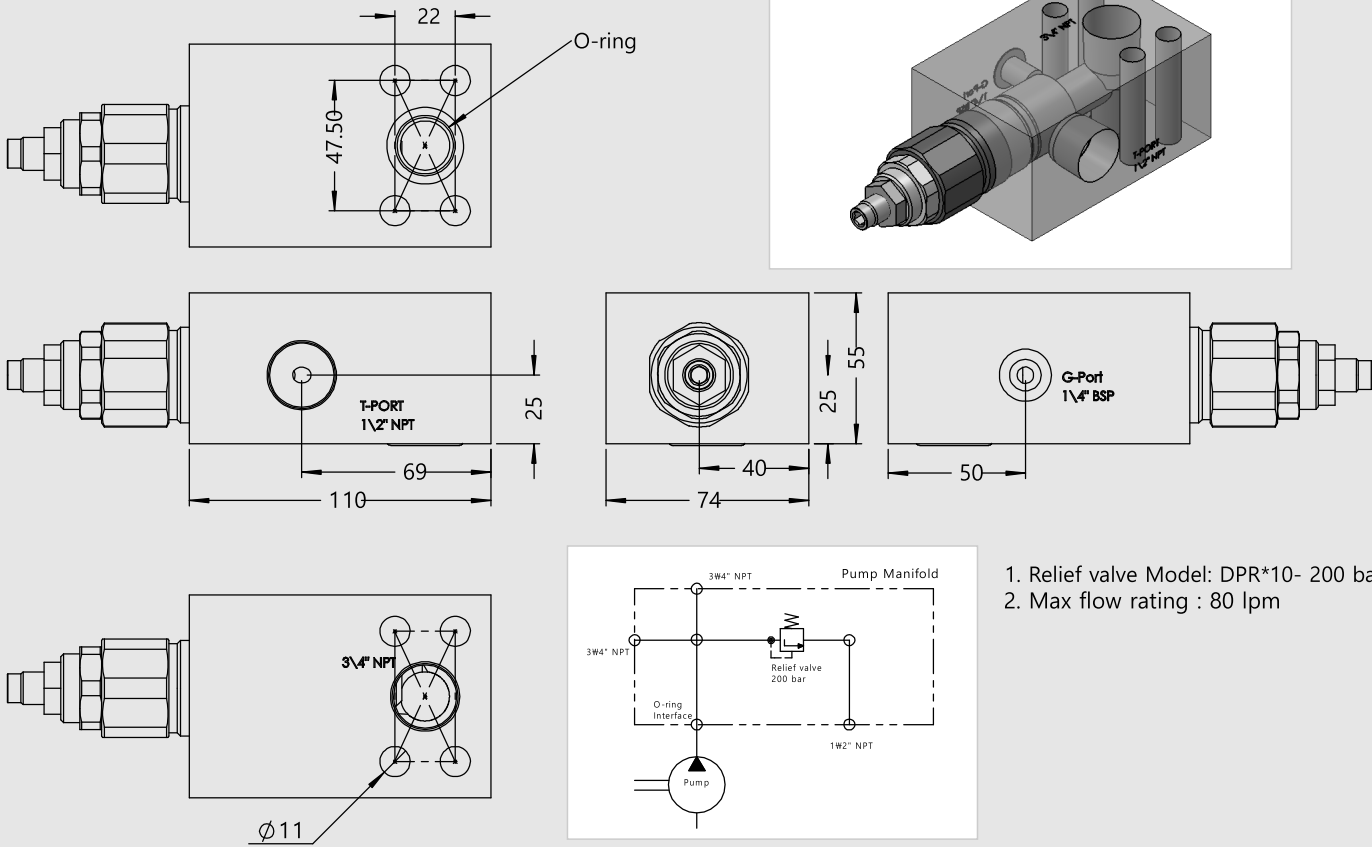
RXLG.2K00.0032.9999G: 9999G means standard product, 2kW/32R Aluminum Enclosure Resistor
RXLG.2K00.0032.6218A: 6218A means customer code, customer non-standard product 2kW/32R Aluminum Enclosure Resistor

Pressure Relief Valve
Pilot Operated Cartridge



- TECHNICAL SPECIFICATIONS :**
- 1. Relief valve rated pressure: 315 bar
 - 2. Max flow rating of relief Valve is 200lpm, But Rated flow for manifold to be per port size.
 - 3. Mounting Bolt M10 x 60 length, 4 qty
 - 4. Interface Seal : 25x3.55 O-ring
 - 5. Manifold material: Steel / CI

Pressure Relief Valve Direct Operated

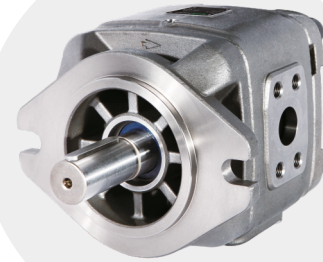


- 1. Relief valve Model: DPR*10- 200 bar
- 2. Max flow rating : 80 lpm

IGP-Internal Gear Pump

IGP1: 8~25 cc/rev, IGP2: 25~63cc/rev, IGP3: 80~200 cc/rev.
Maximum Operating pressure up to 315 Bar

- High Pressure
- Suitable for 3000 rpm
- For Servo Applications



INLET & OUTLET PORT SAE FLANGES

SIZES: G3/4, G1, G1 1/4, G1 1/2, G2, G2 1/2, G3

IGP-02T Series Model Code wise Spigot & Port details

Model Code	Sizes	Spigot	Shaft Dia.	Suction (S)	Suction Flange Sizes	Delivery (P)	Delivery Flange Sizes	UID
IGP1-08-02T/R-PVS	8	Ø82.55	Ø20	Ø20	G3/4(C-61)	Ø13	G1/2(C-61)	T008010106
IGP1-10-02T/R-PVS	10	Ø82.55	Ø20	Ø20	G1(C-61)	Ø13	G1/2(C-61)	T010010113
IGP1-13-02T/R-PVS	13	Ø82.55	Ø20	Ø20	G1(C-61)	Ø13	G1/2(C-61)	T013010123
IGP1-16-02T/R-PVS	16	Ø82.55	Ø20	Ø20	G1(C-61)	Ø13	G1/2(C-61)	T016010133
IGP1-20-02T/R-PVS	20	Ø82.55	Ø20	Ø26	G1 1/4(C-61)	Ø20	G3/4(C-61)	T020010143
IGP1-25-02T/R-PVS	25	Ø82.55	Ø20	Ø26	G1 1/4(C-61)	Ø20	G3/4(C-61)	T025010156
IGP2-25-02T/R-PVS	25	Ø101.6	Ø25	Ø32	G1 1/4(C-61)	Ø18	G3/4(C-61)	T025010154
IGP2-32-02T/R-PVS	32	Ø101.6	Ø25	Ø32	G1 1/4(C-61)	Ø18	G3/4(C-61)	T032010166
IGP2-40-02T/R-PVS	40	Ø101.6	Ø25	Ø32	G1 1/4(C-61)	Ø20	G1(C-61)	T040010177
IGP(H)2-40-02T/R-PVS	40	Ø101.6	Ø25	Ø38	G1 1/2(C-61)	Ø20	G1(C-61)	T040010174
IGP2-50-02T/R-PVS	50	Ø101.6	Ø25	Ø32	G1 1/4(C-61)	Ø20	G1(C-61)	T050010188
IGP(H)2-50-02T/R-PVS	50	Ø101.6	Ø25	Ø51	G2(C-61)	Ø25.4	G1 (C-62)	T050010184
IGP2-63-02T/R-PVS	63	Ø101.6	Ø25	Ø32	G1 1/4(C-61)	Ø20	G1(C-61)	T063010198
IGP(H)2-63-02T/R-PVS	63	Ø101.6	Ø25	Ø51	G2(C-61)	Ø32	G1 1/4 (C-62)	T063010195
IGP3-80-02T/R-PVS	80	Ø152.4	Ø40	Ø51	G2(C-61)	Ø32	G1 1/2(C-61)	T080010206
IGP3-100-02T/R-PVS	100	Ø152.4	Ø40	Ø51	G2(C-61)	Ø32	G1 1/2(C-61)	T010010105
IGP(H)3-100-02T/R-PVS	100	Ø152.4	Ø40	Ø64	G2 1/2(C-61)	Ø32	G1 1/2(C-61)	T010010104
IGP3-125-02T/R-PVS	125	Ø152.4	Ø40	Ø64	G2 1/2(C-61)	Ø38	G1 1/2 (C-62)	T012501105
IGP3-145-02T/R-PVS	145	Ø152.4	Ø40	Ø64	G2 1/2(C-61)	Ø38	G1 1/2 (C-62)	T014501103
IGP(H)3-145-02T/R-PVS	145	Ø152.4	Ø40	Ø76	G3(C-61)	Ø38	G1 1/2 (C-62)	T014501101
IGP3-160-02T/R-PVS	160	Ø152.4	Ø40	Ø76	G3(C-61)	Ø38	G1 1/2 (C-62)	T016001103
IGP3-200-02T/R-PVS	200	Ø152.4	Ø40	Ø76	G3(C-61)	Ø38	G1 1/2 (C-62)	T020011001

Note:-

1.  = larger suction & delivery ports
2. The model code/UID shown above which are not shaded can be considered as 01T series for reference purpose only.
3. 02T Series pumps are all suitable for 3000 RPM.
4. 02T Series pumps are suitable for high pressure range than 01T series.

Information of Flanges:

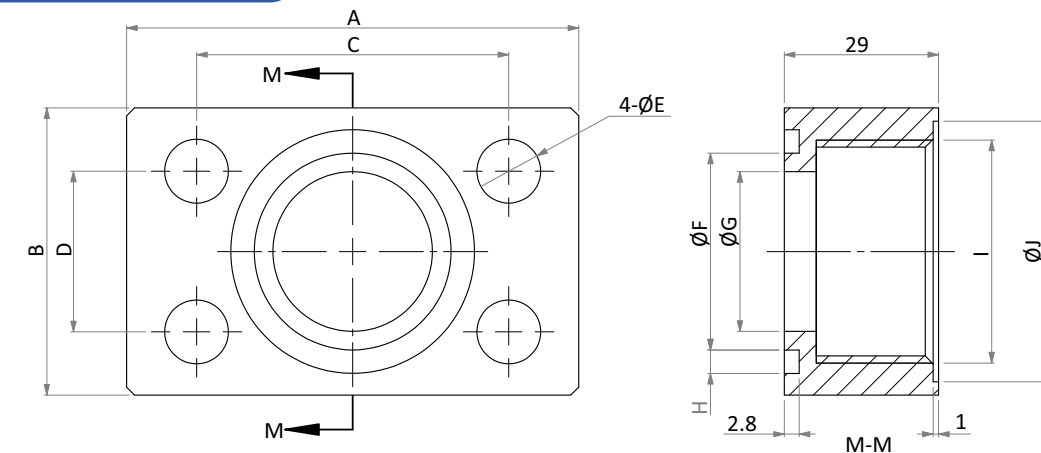
1. SAE Flanges code 61 = C-61
2. SAE Flanges code 62 = C-62

Servo Motor & Pump Assembly

"By replacing induction motors with servo motor in hydraulic pump, machine manufacturer and end users can reap significant energy savings."

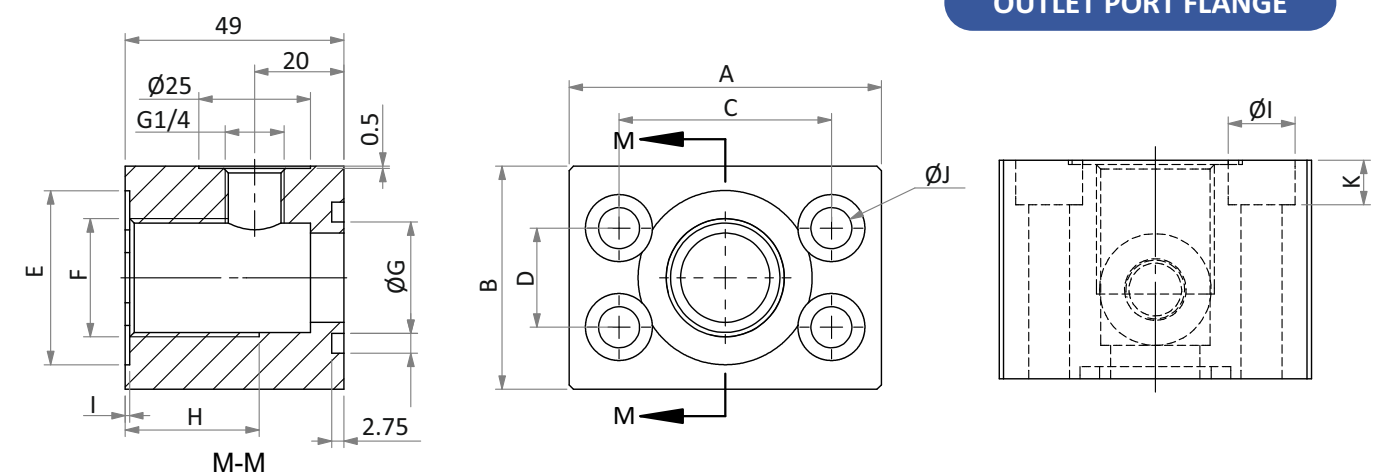


INLET PORT FLANGE



Size	Dimensions										PUMPS	UID
DL3/4	70	50	47.6	22.2	12	26.8	20	4	G3/4	33	IGP1-08	T000200145
DL1	75	50	52.4	26.2	12	32.5	25	4.4	G1	41	IGP1-10/13/16	T000200146
DL1 1/4	85	54	58.7	30.2	12	37	30	4.4	G1 1/4	51	IGP1-20/25 IGP2-25/32/40 /50/63	T000200147
DL2	105	75	77.8	42.9	14	57	49	4.4	G2	69	IGP3-80/100	T000200148
DL2 1/2	115	93	88.9	50.8	14	72	63	4.4	G2 1/2	83	IGP3-125/145	T000200149
DL3	138	105	106.4	61.9	18	82	76	5	G3	98	IGP3-160	T000200150

OUTLET PORT FLANGE

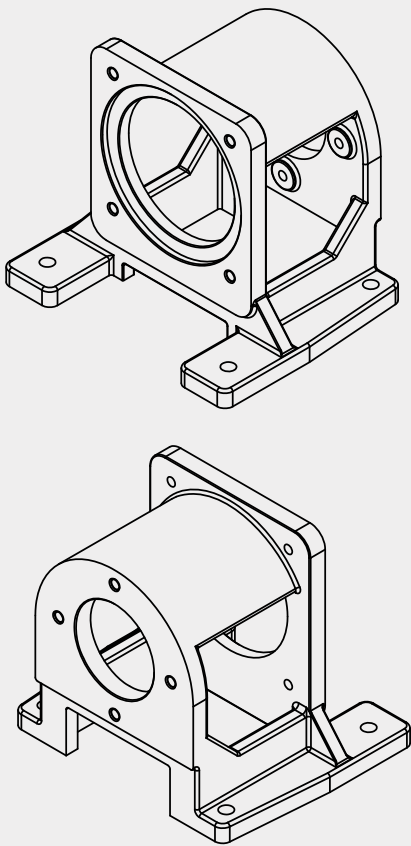
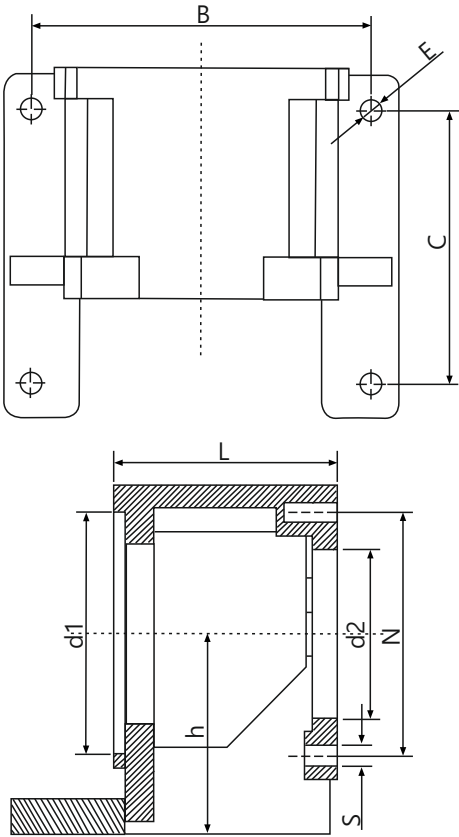


Size	Dimensions										PUMPS	UID	
	A	B	C	D	E	F	G	H	I	J			K
DL1/2	60	40	38.1	17.6	28	G1/2	20	21	15	9.2	10	IGP1-08/10/13/16	T000200151
DL3/4	70	50	47.6	22.2	39	G3/4	27	30	18	11.8	10	IGP1-20/25, IGP2-25/32	T000200152
DL1	75	50	52.4	26.2	42.3	G1	32.5	35	18	12	12	IGP2-40/50/63	T000200153
DL1 1/4	95	70	69.9	35.7	59	G1 1/4	47.5	35	20	13.7	14	IGP3-80/100	T000200154
DL1 1/2	115	70	79.4	36.5	62	G1 1/2	48.5	35	26	18	18	IGP3-125/145/160	T000200155

BRACKET BELL HOSUING

Cast Brackets to reduce the balance the center gravity of servo motor and hydraulic pump. The special pump bracket is made of Ht250 instead of the common steel plate welding pump bracket. Compared with the same kind of products, it has the following characteristics: high strength, no deformation, good vibration resistance, low noise, low temperature and can automatically eliminate unused shaft in the misalignment between the servo motor and hydraulic pump.

Unit Dimensions



Model	Dimensions in mm								
	L	d1	d2	S	N	h	B	C	E
SBH100/180-82 (UID: T014511608)	168	180	82.55	M10	106	150	250	200	14
SBH150/180-101 (UID: T014511609)	168	180	101.6	M12	146	150	250	200	14
SBH250/180-127 (UID: T014511610)	195	180	127	M16	181	150	250	200	18
SBH350/180-152 (UID: T014511611)	198	180	152.4	M20	228.6	165	250	200	18
SBH380/250-101 (UID: T014511612)	225	250	101.6	M12	146	200	320	250	20
SBH400/250-127 (UID: T014511613)	225	250	127	M16	181	200	320	250	20
SBH450/250-152 (UID: T014511614)	225	250	152.4	M20	228.6	200	320	250	20
SBH-B260/180-152-H225 (UID: T014511615)	225	180	152.4	M20	228.6	200	320	250	20



Pressure Sensor

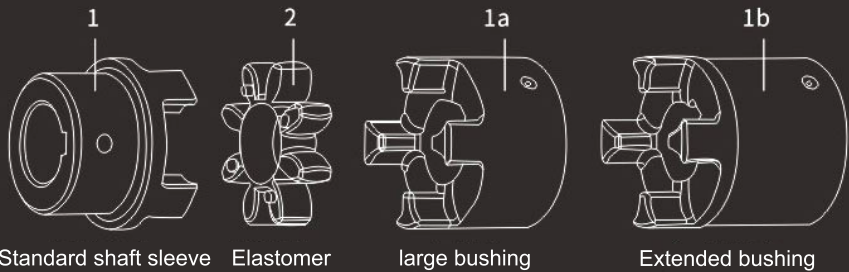
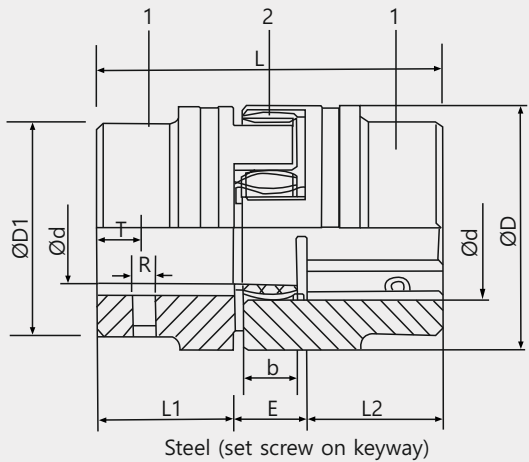
A pressure transducer is an electronic device that transforms a physical variable (pressure) into an electrical signal (current or voltage), acquired by various control, measurement and regulation devices such as controllers or PLCs. These sensors are capable of measuring fluid and gas pressure in all applications required by the industry.

Specs.

- Ratiometric
- 4...20mA
- 0.5...4.5Vdc, 0...5Vdc, 0...10Vdc

BRACKET BELL HOSUING

Unit Dimensions

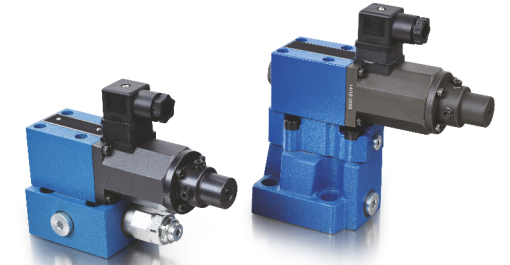


Model	Parts	Elastomer			Fin. pore size max-min	Overall Dimensions							Positioning screw	
		Rated force dist. (Nm)				L	L1	L2	E	b	D	D1	T	R
		92Sha	98ShA	64ShD										
GR28 (UID: T014511616)	1a	95	160	200	0-38	90	35	35	20	15	64	63	12	M8
	1a													
GR38 (UID: T014511617)	1	190	325	405	0-48	114	46	46	22	18	79	78	15	M8
	1a					134	66	46						
	1b													
GR42 (UID: T014511618)	1	265	450	560	0-55	130	53	53	24	20	94	80	20	M10
	1a					150	73	53				93		
	1b													
GR48 (UID: T014511619)	1	310	525	655	0-60	140	55	55	27	22	104	93	20	M10
	1a					160	75	55				103		
	1b													
GR55 (UID: T014511621)	1	410	685	825	0-65	160	87	48	28	22	119	118	20	M10
	1b													
GR65 (UID: T014511622)	1	625	940	1175	0-75	215	115	64	35	26	135	134	25	M10
	1b													
GR75 (UID: T014511623)	1	1280	1920	2400	0-85	238	132	67	38	30	159	158	25	M10
	1b													
GR90 (UID: T014511624)	1	2400	3600	4500	0-95	280	150	90	40	34	159	198	30	M12
	1b													

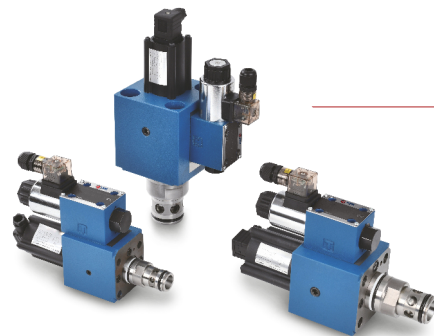
NEW LEVEL OF ELECTRO-HYDRAULIC INTEGRATION



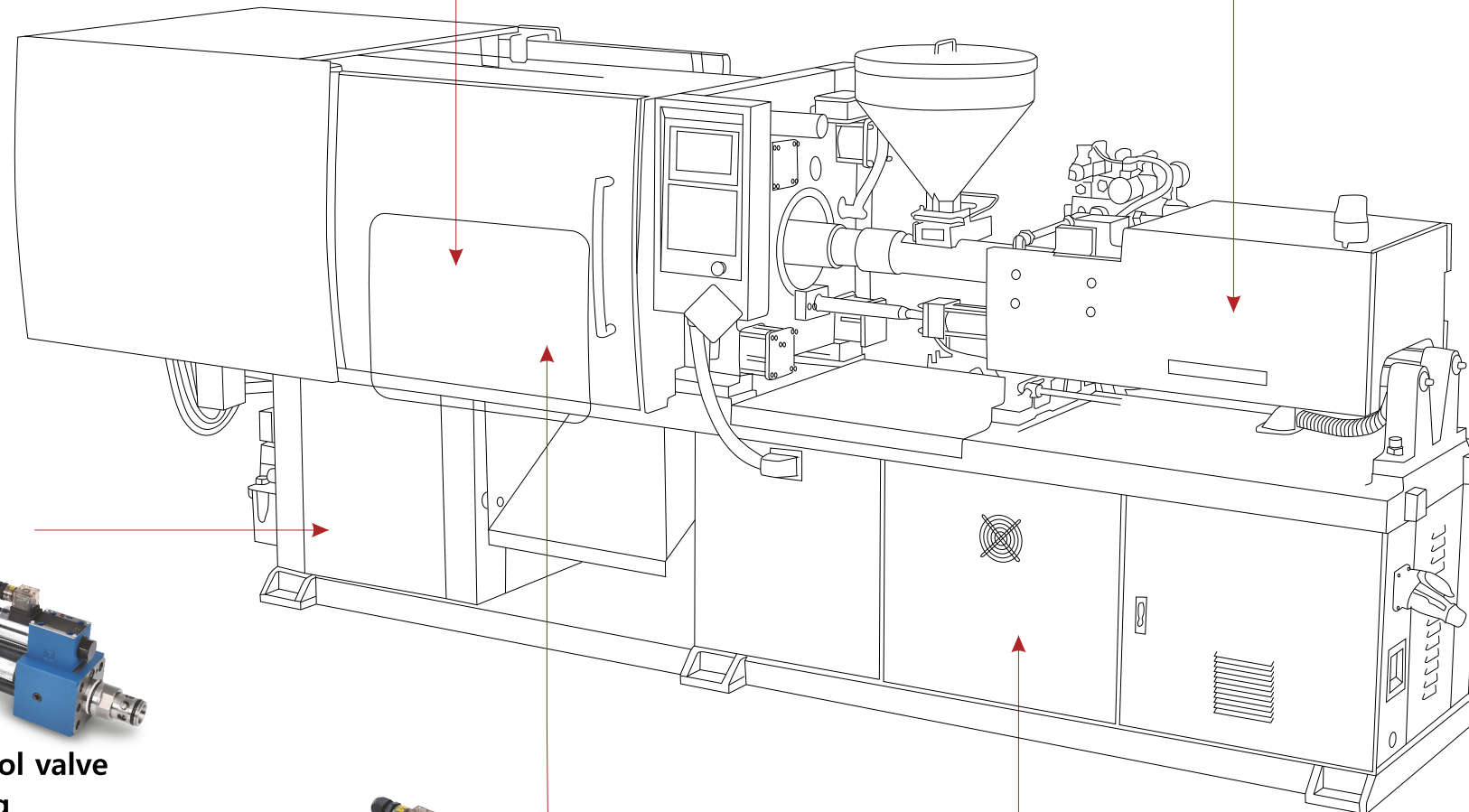
Direct Control/Pilot Operated Proportional directional valve
Fast cycle speed, good buffer control, accurate positioning accuracy
Open and Close mold



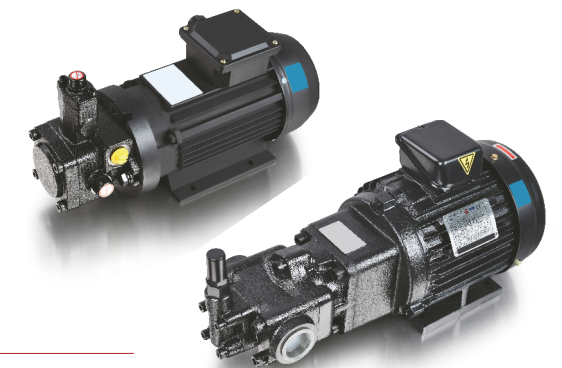
Direct controlled/Pilot operated proportional pressure valve
The low bottom pressure can accurately adjust the pressure for injection molding of different materials with high repeatability.



Two-way cartridge/spool control valve with position monitoring
Real-time oil circuit monitoring to ensure equipment safety performance;
Ensure personal safety



Solenoid valve/electro-Hydraulic directional valve
Push Out; Fast Response Accurate Positioning
Mold Adjustment takes a long time No stuck valve
Accurate positioning of mold opening and closing low noise



Energy efficiency Pump Motor Assembly
Cooling and lubrication
High energy efficiency
Low noise
Low temperature rise