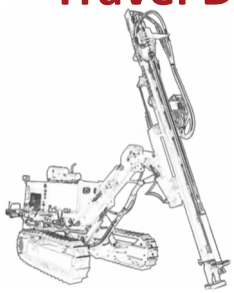
NORTH AMERICAN HYDRAULICS

Travel Drive with Integrated Piston Motor

Solution Providers

North American Hydraulics, (NAHI, LLC), partnering with LKC Hydraulic Co., LTD, manufacturer of track and swing drive motors used on track and wheeled machines.



Travel Drives – LKC Travel Motor Series

Models	Low Speed		High Speed		Low Speed cc/rev	High Speed cc/rev	Ratio	Low Speed cc/rev	High Speed cc/rev	Bar	L/min	Special Features	Typical Machine Weight Tons
	Nm	rpm	Nm	rpm									
NTM02PA	1,682	38	802	80	13	6.2	36.96	480.5	229.2	220	18.4	-	1~1.8
NTM02PC												DIS	
NTM03AX	4,041	37	2,682	56	23.2	15.4	48.64	1128.4	749.0	225	42	-	2.5~3.5
NTM03D	2,926	34	1,951	51	18	12		875.4	583.6	210	30		
NTM03DF												DIS	
NTM04C	3,032	44	1,769	76	24	14	37.80	907.2	529.2		40	-	3.5~4.5
NTM06	6,301	31	3,521	55	34	19	47.53	1616.0	903.1	245	50		5~6
NTM06C	8,185	27	4,574	48			55.00	1870.0	1045.0	275		DIS	
NTM07B	10,343	25	5,171	51	44	22	53.71	2363.1	1181.5		60	-	6~8
NTM07K												HSA	
NTM09CA	11,532	33	7,398	52	53	34	45.57	2415.2	1549.3	300	80	-	7~9
NTM09RA	13,591	28	8,719	44			53.71	2846.4	1826.0			DIS	
NTM10	13,783		8,842	43			54.47	2886.8	1851.9				9~11
NTM10AS	14,425	37	10,142	53	64	45		3485.9	2451.0	260	130		9~12
NTM18B	16,955		10,881	57	67	43	53.00	3551.0	2279.0	300		-	10~13
NTM22	24,038	34	15,830	52	82	54	53.70	4403.4	2899.8	343	150	DIS	13~16
NTM40A	47,166	30	24,893	57	180	95	48.00	8640.0	4560.0		260	-	18~22
NTM04VB	3,638	72	2,183	120	45	27	18.47	831.3	498.8	275	60	C-L	3.5~4.5
NTM07VB	10,340	25	5,170	22	44	22	53.71	2363.2	1181.6				6~8

DIS = Manual disengagement.
HSA = Motor displacement will auto shift from min to max while pressure drop between A & B ports over 210 bar. This will happen only when 35 bar shifting pressure applied to PS port.
C-L = Special internal valves designed for closed loop systems with speed sensors included.
NTM03AX not in production. (Targeted NACHI replacements)

Features and Benefits:

- Integrated 2-Speed Axial Piston Motor and Planetary Reducer
- Built-in counter balance valve, parking brake release and high/low shifting in the motor for certain models
- Large transmission ratio, compact design, high efficiency with excellent reliability, stable operation producing low noise

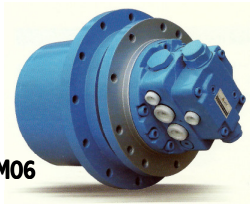
Please contact NAHI for additional information

The above information should be used as a guide and is subject to change without notice.

Please contact NAHI for proper selection.

NTM02
NTM03

NTM04

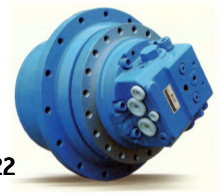


NTM06

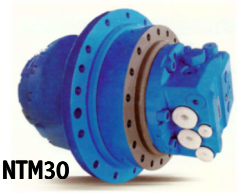
NTM07
NTM09

NTM10

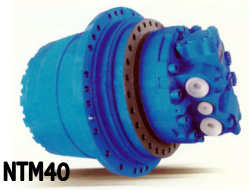
NTM18



NTM22



NTM30



NTM40

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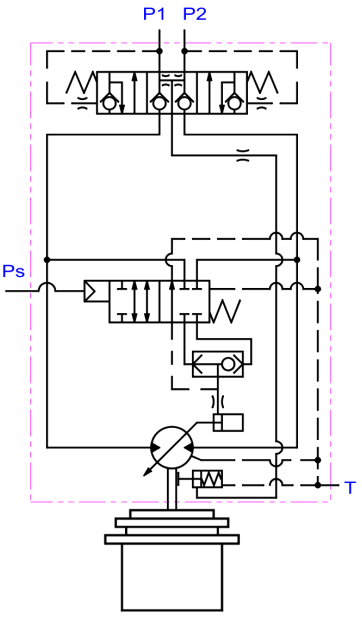
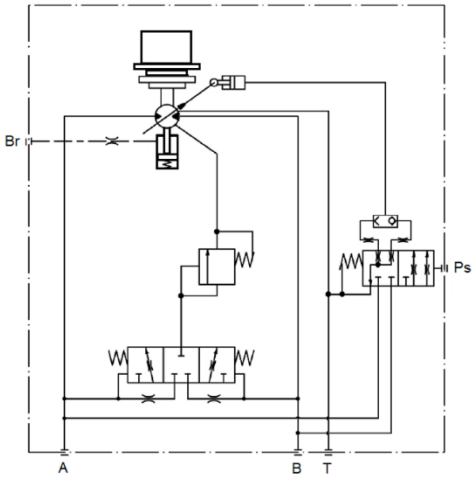


Open Loop Schematic



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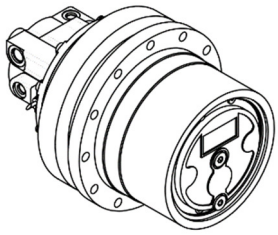

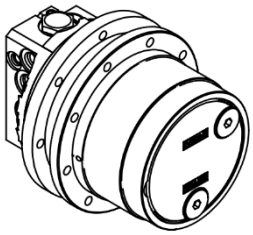

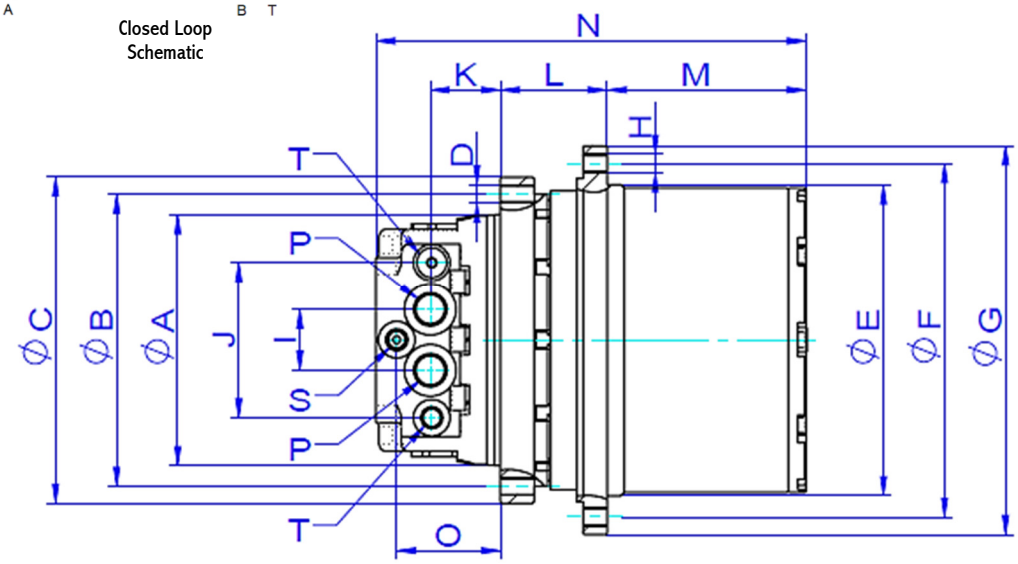

Models	ØA	ØB	ØC	D	ØE	ØF	ØG	H	I	J	K	L	M	N	O	P1 & P2	Ps	T
NTM02PA	140	155	175	8-M10	140	155	175	9-M10	32	86	43	45	83	196	58.5	G3/8"	G1/8"	G1/4"
NTM02PC																		
NTM03AX	165	192	213	12-M12 (18Pat)	190	212	235	12-M12 (18Pat)	40	102	52	50	114	253	75	G1/2"	G1/4"	
NTM03D			215	18-M12		212/215	238	9/9-M12										
NTM03DF																		
NTM04C			214	12-M12	204	232	255	12-M12			45	70	131	282	68			
NTM06	180	220	246	12-M14 (18Pat)	230	262	288	12-M14	50	105	48	75	149.5	342	87.5			
NTM06C	200	240	266	9-M14								68	159.5	344.5	74			
NTM07B	210	250	244	12-M14	250	282	306			106	78		156	355	110			G3/8"
NTM07K																		
NTM09CA			268	12-M16	265	300	326				76	80	149	350	99.5			
NTM09RA																		
NTM10			280								73		170	365	95			
NTM10AS																		
NTM18B	246	280	308	20-M16	324	364	394	15-M16		116	87	100	156	390	118	G3/4"		G1/2"
NTM22							395				77.5	99.5	182	406				
NTM40A	300	340	370	30-M16	402	440	470	30-M16 (44Pat)	108	N/A	130	98.5	269.5	542.5	110	G1"		

Models	ØA	ØB	ØC	D	ØE	ØF	ØG	H	I	J	K	L	M	N	O	A & B	Ps	T	Br
NTM04VB	210	244	268	12-M16	220	255	280	12-M16	N/A	N/A	81	85	136	345.5	104.5	12SAE	6SAE	8SAE	6SAE
NTM07VB				12-M14	250	282	306	12-M14			84.5	68	157	39	108				