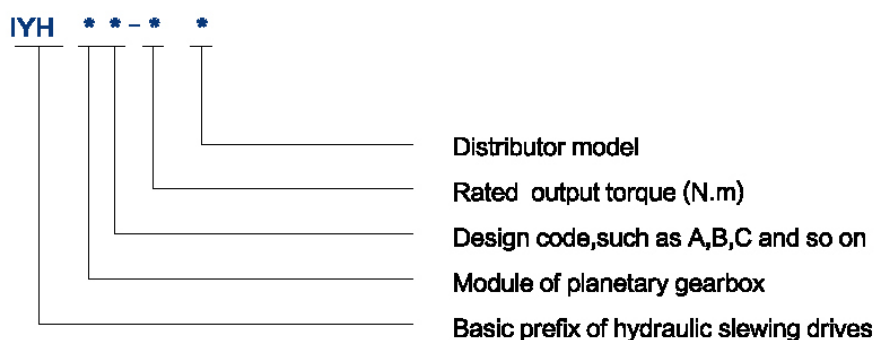


● IYH series Hydraulic Slewing Drives

1. Brief Introduction

IYH series hydraulic slewing drives are self-developed with independent intellectual property rights. And they are mainly consist of hydraulic motor, multi-disc hydraulic brake, C type planetary gearbox and distributor. hydraulic motor can choose different distributor according to the working conditions, such as counterbalance valve, overload valve, shuttle valve, speed control directional valve and other function's valve. This series hydraulic slewing drives featured compact and elegant figure, small size and light weight, and a high efficiency and power, low noise and good operating performance. Therefore, the series hydraulic slewing drives have been widely used in mobile crane, vehicle crane, aerial platform, tracked vehicle and so on. IYH series hydraulic slewing drives have been well sold in China company such as SANY, and also have been exported to the USA, Japan, Australia, Russia, Austria, Netherlands, Indonesia, Korea and other areas in the world.

2. Model Options



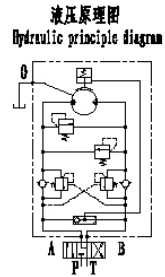
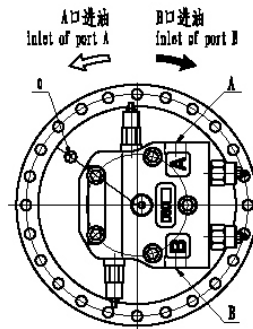
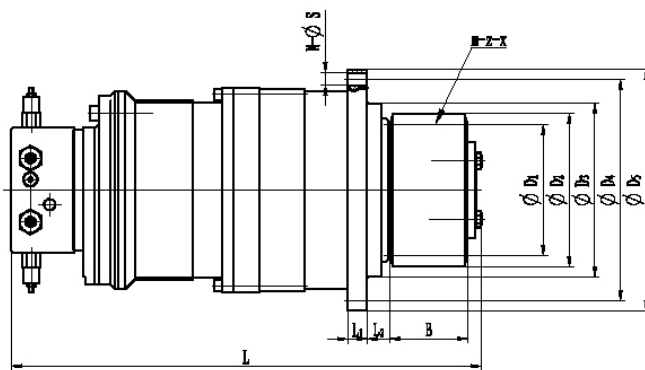
3. Options Example

IYH22A-1500D120221 represents that the hydraulic slewing drives adopts two levels planetary gearbox, and the modules of the gearbox are 2 and 2 respectively, the design code is A, the rated output torque is 1500 N.m, distributor model is D120221.

4. Parameter description

- a.** Total displacement represents the capacity of oil supply per revolution.
- b.** Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency is considered as 90%–94%.

● IYH2.5~IYH79



系列代号 Serial code	额定输出扭矩 Rated torque (N.m)	额定输出转速 Rated Speed (r/min)	总排量 Total displacement (ml/r)	工作压力 Working pressure (MPa)	传动比 Ratio	输出齿轮参数 Gear parameters						外形尺寸及油口规格 Overall dimensions and oil ports specifications									
						m	z	x	B	D1	D2	D3	D4	D5	L1	L2	L	N	S	A, B	O
IYH2.5-A	800~2000	0~120	430~1057	16	5/5.5/7	5	17	0.5	70	85	99.5	180	230	250	20	24	478	24	11	M22x1.5	G1/4"
IYH2.5-B	800~2000	0~120	430~1057	16	5/5.5/7	6	17	0.5	60	102	118.8	180	230	250	20	24	468	24	11	M22x1.5	G1/4"
IYH2.5-C	800~2000	0~120	430~1057	16	5/5.5/7	8	17	0.5	54	136	159.04	180	230	250	20	24	462	24	11	M22x1.5	G1/4"
IYH2.5-D	800~2000	0~120	430~1057	16	5/5.5/7	12	13	0.5	80	156	191.64	180	230	250	20	24	488	24	11	M22x1.5	G1/4"
IYH2.53-A	3000~6500	0~32.5	1720~3320	16	20/28	6	17	0.5	60	102	118.8	250	290	320	20	75	565	16	17	M22x1.5	G1/4"
IYH2.53-B	3000~6500	0~32.5	1720~3320	16	20/28	8	15	0.63	80	120	145.63	250	290	320	20	75	585	16	17	M22x1.5	G1/4"
IYH2.53-C	3000~6500	0~32.5	1720~3320	16	20/28	10	13	0.5	85	130	160	250	290	320	20	75	590	16	17	M22x1.5	G1/4"
IYH3-A	2600~5316	0~100	1344~2711.5	16	5/5.5/7	6	17	0.5	60	102	118.8	235	252	270	38	90.5	483	24	10.5	M22x1.5	G1/2"
IYH3-B	2600~5316	0~100	1344~2711.5	16	5/5.5/7	8	15	0.5	60	120	143.24	235	252	270	38	90.5	483	24	10.5	M22x1.5	G1/2"
IYH3-C	2600~5316	0~100	1344~2711.5	16	5/5.5/7	10	12	0.63	80	120	149	235	252	270	38	90.5	503	24	10.5	M22x1.5	G1/2"
IYH3-D	2600~5316	0~100	1344~2711.5	16	5/5.5/7	12	15	0.65	90	180	216.39	235	252	270	38	90.5	513	24	10.5	M22x1.5	G1/2"
IYH4-A	4873~10886	0~90	2430~5428.5	16	5/5.5/7	10	17	0.6	85	170	200.64	330	370	400	24.5	123	625	24	17	M33x2	G1/2"
IYH4-B	4873~10886	0~90	2430~5428.5	16	5/5.5/7	12	13	0.5	100	156	191.5	330	370	400	24.5	123	640	24	17	M33x2	G1/2"
IYH4-C	4873~10886	0~90	2430~5428.5	16	5/5.5/7	14	15	0.5	100	210	250.58	330	370	400	24.5	123	640	24	17	M33x2	G1/2"
IYH4-D	4873~10886	0~90	2430~5428.5	16	5/5.5/7	16	12	0.5	100	192	238.4	330	370	400	24.5	123	640	24	17	M33x2	G1/2"
IYH5-A	13195~22136	0~40	6580~11038.5	16	5/5.5/7	12	18	0.564	85	216	252.03	400	432	460	22	179	979	24	17	Φ50	G1/2"
IYH5-B	13195~22136	0~40	6580~11038.5	16	5/5.5/7	14	15	0.5	100	210	250.58	400	432	460	22	179	994	24	17	Φ50	G1/2"
IYH5-C	13195~22136	0~40	6580~11038.5	16	5/5.5/7	16	12	0.5	100	192	237.92	400	432	460	22	179	994	24	17	Φ50	G1/2"
IYH6-A	25197~33540	0~35	12565~16725.5	16	5/5.5/7	16	17	0.5	150	272	320	495	525	565	35	235	1215	24	21	Φ50	G1/2"
IYH6-B	25197~33540	0~35	12565~16725.5	16	5/5.5/7	20	15	0.5	160	300	359.6	495	525	565	35	235	1225	24	21	Φ50	G1/2"
IYH34-A	12000~18000	0~5.5	6622~11165	16	38.5	12	12	0.5	100	144	180	330	370	400	40	125.5	663	24	17	M33x2	G1/4"
IYH34-B	12000~18000	0~5.5	6622~11165	16	38.5	14	14	0.5	100	196	236.6	330	370	400	40	125.5	663	24	17	M33x2	G1/4"
IYH45-A	13000~25000	0~22	7028~13804	16	28	12	14	0.5	90	168	202.8	426	455	490	25	94	770	32	21	M33x2	G1/2"
IYH45-B	13000~25000	0~22	7028~13804	16	28	14	15	0.5	100	210	250.58	426	455	490	25	94	780	32	21	M33x2	G1/2"
IYH45-C	13000~25000	0~22	7028~13804	16	28	16	12	0.5	100	192	237.92	426	455	490	25	94	780	32	21	M33x2	G1/2"
IYH56-A	32740~61406	0~11	16660~31248	16	28	16	17	0.5	150	272	320	510	545	580	30	351	995	30	21	M33x2	G1/2"
IYH56-B	32740~61406	0~11	16660~31248	16	28	18	14	0.5	180	252	306.18	510	545	580	30	351	1025	30	21	M33x2	G1/2"
IYH56-C	32740~61406	0~11	16660~31248	16	28	20	14	0.4	194	280	329.48	510	545	580	30	351	1039	30	21	M33x2	G1/2"
IYH67-A	63000~90000	0~8	33180~45752	16	28	22	14	0.5	200	308	374	605	650	700	36	235	1465	36	25	M33x2	G1/2"
IYH67-B	63000~90000	0~8	33180~45752	16	28	20	13	0.5	180	260	320	605	650	700	36	235	1445	36	25	M33x2	G1/2"
IYH67-C	63000~90000	0~8	33180~45752	16	28	18	17	0.5	140	306	360	605	650	700	36	235	1405	36	25	M33x2	G1/2"
IYH67-D	63000~90000	0~8	33180~45752	16	28	16	15	0.5	125	240	281.5	605	650	700	36	235	1390	36	25	M33x2	G1/2"
IYH67-E	63000~90000	0~8	33180~45752	16	28	40	12	0.63	160	480	528.6	605	650	700	36	235	1385	36	25	M33x2	G1/2"
IYH79-A	110000~160000	0~10	55286~85148	16	22/28	22	14	0.5	200	308	374	760	810	850	40	449.5	1571	36	25	Φ50	G1/2"
IYH79-B	110000~160000	0~10	55286~85148	16	22/28	20	13	0.5	180	260	320	760	810	850	40	449.5	1551	36	25	Φ50	G1/2"
IYH79-C	110000~160000	0~10	55286~85148	16	22/28	18	17	0.5	140	306	360	760	810	850	40	449.5	1511	36	25	Φ50	G1/2"
IYH79-D	110000~160000	0~10	55286~85148	16	22/28	40	12	0.63	160	480	528.6	760	810	850	40	449.5	1531	36	25	Φ50	G1/2"