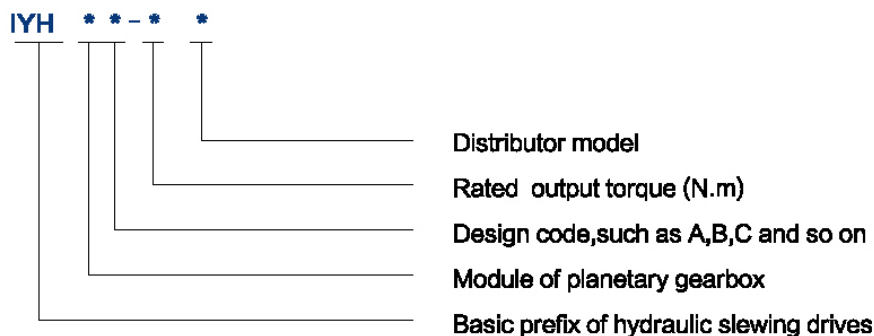


● IYH series Hydraulic Slewing Drives

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



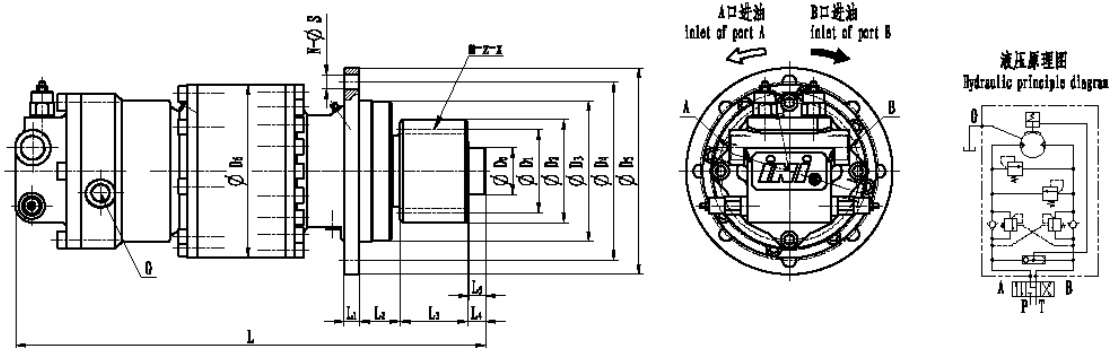
3. Options Example

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.

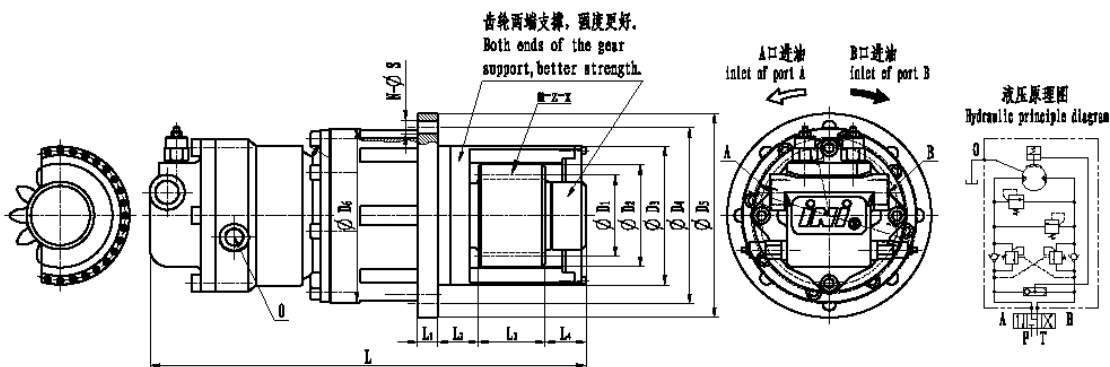
4. Parameter description

- 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%.

● IYH22/IYH33



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)	供油流量 Supply oil flow (L/min)	减速器型号(传动比) Gearbox model (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	D ₀	D ₁	D ₂	D ₃	D ₄	D ₅	D ₆	L ₁	L ₂	L ₃	L ₄	L ₅	L	N
IYH22-A	1500~3000	0~12	2857.5	6~11	40	C22 (i=22.86)	6 13 0.5 -	78	96	130	165	200	188	16	50	70	-	-	476	12	13	G3/4"	G1/2"	
IYH22-B	1500~3000	0~12	2857.5	6~11	40	C22 (i=22.86)	8 11 0.5 -	88	110	130	165	200	188	16	50	88	-	-	506	12	13	G3/4"	G1/2"	
IYH22-C	1500~3000	0~12	2857.5	6~11	40	C22 (i=22.86)	8 12 0.5 -	96	118	130	165	200	188	16	50	61	-	-	467	12	13	G3/4"	G1/2"	
IYH22-D	1500~3000	0~12	2857.5	6~11	40	C22 (i=22.86)	8 13 0.5 -	104	126	130	165	200	188	16	50	70	-	-	476	12	13	G3/4"	G1/2"	
IYH22-E	3500~5000	0~14	2683	10~14	44	C22 (i=26.83)	6 17 0.5 50	102	119	150	190	220	185	16	43.5	60	19	18	488	8	14.5	G3/4"	G1/2"	
IYH22-F	3500~5000	0~14	2683	10~14	44	C22 (i=26.83)	8 11 0.5 50	88	110	150	190	220	185	16	43.5	72	19	18	500	8	14.5	G3/4"	G1/2"	
IYH22-G	3500~5000	0~14	2683	10~14	44	C22 (i=26.83)	8 13 0.5 50	104	126	150	190	220	185	16	43.5	80	19	18	508	8	14.5	G3/4"	G1/2"	
IYH22-H	3500~5000	0~14	2683	10~14	44	C22 (i=26.83)	10 11 0.5 50	110	140	150	190	220	185	16	43.5	80	19	18	508	8	14.5	G3/4"	G1/2"	
IYH33-A	4000~6600	0~20	2325~3726	13~16	88	C33 (i=18.6)	8 11 0.5 -	88	112	170	221	245	224	20	70	90	-	-	605	20	12.5	G3/4"	G1/2"	
IYH33-B	4000~6600	0~20	2325~3726	13~16	88	C33 (i=18.6)	8 15 0.5 -	120	144	170	221	245	224	20	70	90	-	-	605	20	12.5	G3/4"	G1/2"	
IYH33-C	4000~6600	0~20	2325~3726	13~16	88	C33 (i=18.6)	10 12 0.5 -	120	149	170	221	245	224	20	70	90	-	-	605	20	12.5	G3/4"	G1/2"	
IYH33-D	4000~6600	0~20	2325~3726	13~16	88	C33 (i=18.6)	10 13 0.5 -	130	159	170	221	245	224	20	70	90	-	-	605	20	12.5	G3/4"	G1/2"	
IYH33-E	7000~12000	0~12	5296~6620	12~16	92	C33 (i=33.1)	10 13 0.5 -	130	160	200	250	280	280	20	41	90	-	-	655	24	13.5	G3/4"	G1/2"	
IYH33-F	7000~12000	0~12	5296~6620	12~16	92	C33 (i=33.1)	10 15 0.5 -	150	180	200	250	280	280	20	41	100	-	-	655	24	13.5	G3/4"	G1/2"	
IYH33-G	7000~12000	0~12	5296~6620	12~16	92	C33 (i=33.1)	12 13 0.5 -	156	192	200	250	280	280	20	41	100	-	-	665	24	13.5	G3/4"	G1/2"	



系列代号 Serial code	额定输出扭矩 Rated torque (N.m)	额定输出转速 Rated Speed (N.m)	总排量 Total displacement (ml/r)	工作压力 Working pressure (MPa)	供油流量 Supply oil flow (MPa)	减速器型号(传动比) Gearbox model (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	D ₁	D ₂	D ₃	D ₄	D ₅	D ₆	L ₁	L ₂	L ₃	L ₄	L	N	S	A、B	O
IYH22-I	3500~5000	0~14	2683	10~14	44	C22(i=26.83)	6 17 0.5	102	119	150	190	220	187	22	43.5	60	56	469	8	14.5	G3/4"	G1/2"			
IYH22-J	3500~5000	0~14	2683	10~14	44	C22(i=26.83)	8 11 0.5	88	110	150	190	220	187	22	43.5	72	44	469	8	14.5	G3/4"	G1/2"			
IYH22-K	3500~5000	0~14	2683	10~14	44	C22(i=26.83)	8 13 0.5	104	126	150	190	220	187	22	43.5	80	44	477	8	14.5	G3/4"	G1/2"			