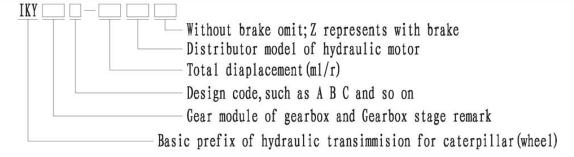
IKY Series Hydraulic Transmission For Caterpillar (Wheel)

1. Brief introduction

IKY series hydraulic transmission for caterpillar (whell) consist of a variety of valve block with the function of brake, hydraulic motor, one or two level planetary gearbox. a number of excellent features distinguish from other similar products in disgn: high efficiency of startup and operation, high reliability, the revolved casing as output can directly connect with the chain wheel of caterpillar drive. Due to the small axial dimension, the hydraulic transmission can be set inside of wheel or caterpillar. They not only improve the trafficability of the motion machine, but also make the figure compact and elegant. So they have been widely applied in construction vehicle, track wheel, caterpillar excavator, caterpillar motion drive mechanism of a variety of drillers and caterpillar mining machine.

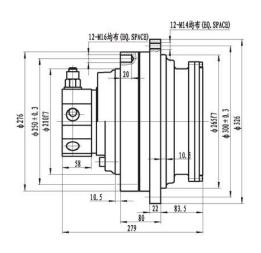
2. Model options

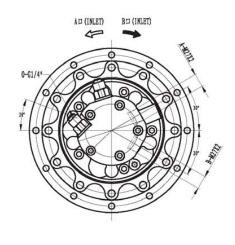


3. Options example

IKY34A-6500D240201Z represents that planetary gearbox have two stage, the 1st stage gear module is 3mm and the 2nd stage is 4mm, the serial label is A, nominal total displancement is 6500 cc/rev and distributor model is D240201 with brake.

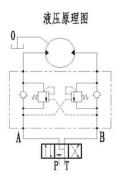
外形尺寸 Dimensions

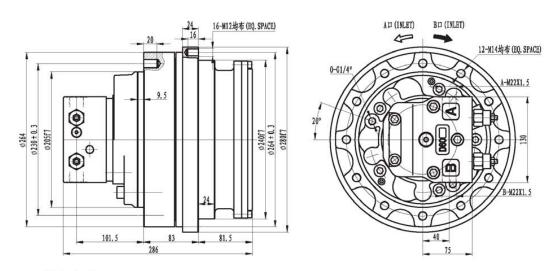




技术参数 Specifications

型号	最大輸出扭矩 (N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压 ^I Hydraulio		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement		排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY2.5B-1200D1202	3100	1-90	6	20	1146	INM05-200D1202	191	55	3, 5
IKY2. 5B-1000D1202	2670	1-90	6	20	996	INMOS-170D1202	166	55	3
IKY2, 5B-900D1202	2430	1-100	6	20	906	INM05-150D1202	151	55	3
IKY2.5B-800D1202	2080	1-100	6	20	774	INMOS-130D1202	129	55	2.5
IKY2.5B-700D1202	1850	1-100	6	20	690	INM05-110D1202	115	55	2.5
IKY2. 5B-520D1202	1380	1-110	6	20	516	INM05-90D1202	86	55	1~2
IKY2. 5B-450D1202	1190	1 - 110	6	20	444	INM05-75D1202	74	55	1~2
IKY2. 5B-570D1202	1550	1 - 200	3	20	573	INM05-200D1202	191	60	1~2
IKY2.5B-500D1202	1335	1-200	3	20	498	INMO5-170D1202	166	60	1~2
IKY2.5B-450D1202	1215	1 - 210	3	20	453	INMOS-150D1202	151	60	1~2
IKY2. 5B-390D1202	1040	1 - 210	3	20	387	INM05-130D1202	129	60	1~2

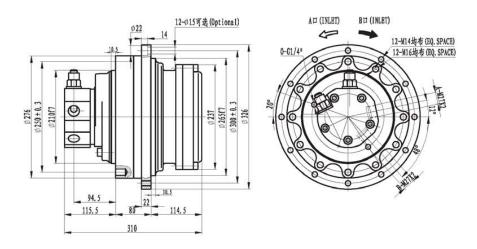




技术参数 Specifications

型号	最大输出扭矩 (N·m)	转速 (rpa)	传动比	最高压力(MPa)	总排量 (m1/r)	液压 ¹ Hydraulie		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY2. 5B-1200D1202	3100	1-90	6	20	1146	INM05-200D1202	191	55	3.5
IKY2. 5B-1000D1202	2670	1-90	6	20	996	INM05-170D1202	166	55	3
IKY2. 5B-900D1202	2430	1-100	6	20	906	INM05-150D1202	151	55	3
IKY2. 5B-800D1202	2080	1-100	6	20	774	INM05-130D1202	129	55	2.5
IKY2. 5B-700D1202	1850	1-100	6	20	690	INM05-110D1202	115	55	2.5
IKY2. 5B-520D1202	1380	1-110	6	20	516	INM05-90D1202	86	55	1~2
IKY2.5B-450D1202	1190	1-110	6	20	444	INM05-75D1202	74	55	1-2
IKY2. 5B-570D1202	1550	1 - 200	3	20	573	INM05-200D1202	191	60	1~2
IKY2. 5B-500D1202	1335	1 - 200	3	20	498	INM05-170D1202	166	60	1~2
IKY2. 5B-450D1202	1215	1 - 210	3	20	453	INM05-150D1202	151	60	1~2
IKY2. 5B-390D1202	1040	1 - 210	3	20	387	INM05-130D1202	129	60	1 ~ 2

液压原理图 0 A PT



技术参数 Specifications

型号	最大輸出扭矩 (N·m)	转速 (rpm)	传动比	最高压力 (MPa)	总排量 (m1/r)	液压 ^L Hvdraulio		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY2, 52, 5A-3600D1202	8000	0.4-32	19	18	3629	INM05-200D1202	191	80	7~8
IKY2. 52. 5A-3200D1202	8000	0.4 - 38	19	20	3154	INM05-170D1202	166	80	7~8
IKY2. 52. 5A-2900D1202	7300	0.4-42	19	20	2869	INMOS-150D1202	151	80	6~7
IKY2. 52. 5A-2500D1202	6300	0.4-46	19	20	2451	INMOS-130D1202	129	80	5~6
IKY2, 52, 5A-2200D1202	5600	0.4-50	19	20	2185	INMO5-110D1202	115	80	5~6
IKY2, 52, 5A-1600D1202	4200	0.4-58	19	20	1634	INM05-90D1202	86	80	4~5
IKY2. 52. 5A-1400D1202	3600	0.4-63	19	20	1406	INM05-75D1202	74	80	4~5

液压原理图

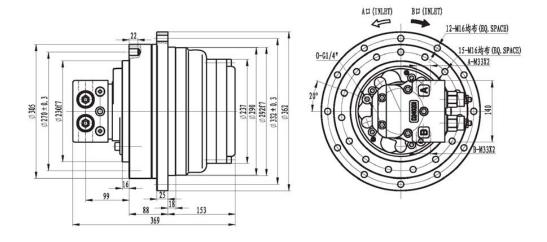
O

A

B

P

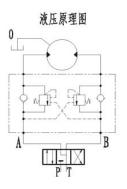
T

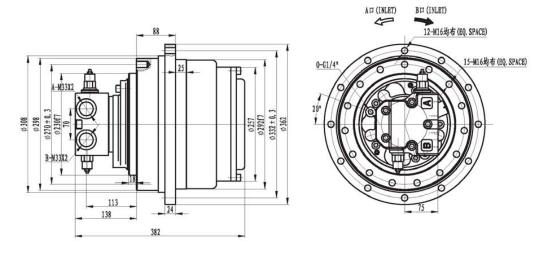


技术参数

Specifications

型号	最大输出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压 ^工 Hydraulio		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement		排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY2, 52, 5B-4600D2402	9600	0, 25 - 32	24	17	4584	INM05-200D2402	191	100	8-10
IKY2, 52, 5B-4000D2402	9600	0.25 - 33	24	19	3984	INM05-170D2402	166	100	8-10
IKY2, 52, 5B-3600D2402	9600	0. 25 - 36	24	20	3624	INM05-150D2402	151	100	8-10
IKY2. 52. 5B-3100D2402	9500	0.25 - 42	24	23	3096	INM05-130D2402	129	100	8-10
IKY2, 52, 5B-2800D2402	8470	0.25 - 45	24	23	2760	INM05-110D2402	115	100	8-10
IKY2, 52, 5B-2100D2402	6330	0.25 - 50	24	23	2064	INM05-90D2402	86	100	8-10

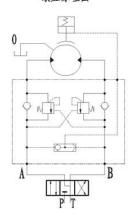




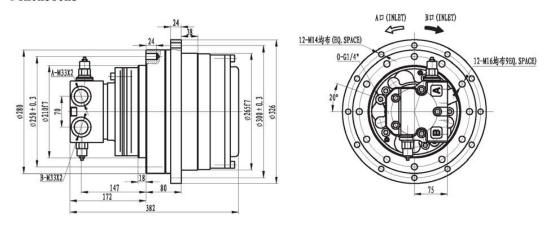
技术参数 Specifications

型号	最大輸出扭矩 (N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马 Hydraulic		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY2. 53A-3600D240201Z	10000	0.3-36	19	21	3629	INM05-200D240201	191	110	8~10
IKY2. 53A-3200D240201Z	8700	0.3-40	19	21	3154	INMO5-170D240201	166	110	8~10
IKY2.53A-2900D240201Z	8500	0.3-45	19	23	2869	INMOS-150D240201	151	110	6~8
IKY2. 53A-2500D240201Z	7260	0.3-50	19	23	2451	INMO5-130D240201	129	110	6~8
IKY2. 53A-2200D240201Z	6470	0.3-55	19	23	2185	INMOS-110D240201	115	110	6~8

液压原理图



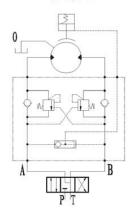
外形尺寸 Dimensions

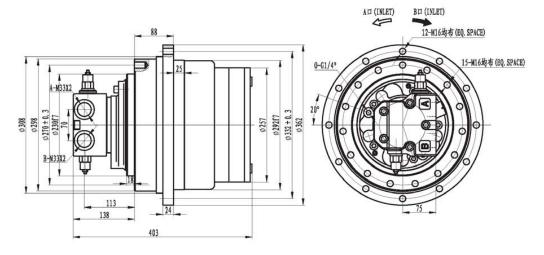


技术参数 Specifications

型号	最大輸出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马 Hydraulic	4000au	重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY2. 53B-2900D240201Z	8500	0.3-42	19	23	2869	INMO5-150D240201	151	100	6-8
IKY2. 53B-2500D240201Z	7260	0.3-48	19	23	2451	INMO5-130D240201	129	100	6-8
IKY2. 53B-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	100	6-8
IKY2. 53B-1600D240201Z	4840	0.3-58	19	23	1634	INM05-90D240201	86	100	6-8
IKY2. 53B-1400D240201Z	4160	0.3-63	19	23	1406	INN05-75D240201	74	100	6-8

液压原理图



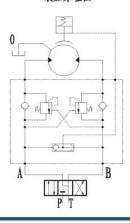


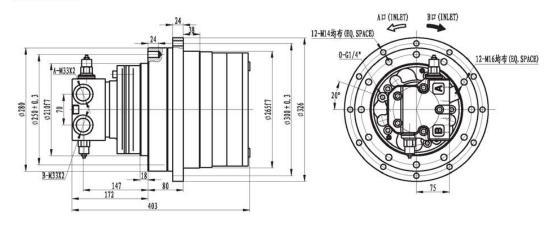
技术参数

Specifications

型号	最大輸出扭矩 (N·m)	转速 (rpm)	传动比	最高压力 (MPa)	总排量 (ml/r)	液压马 Hydraulic		重量 (Kg)	适用机重(ton)
Model	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY33A-3600D240201Z	10000	0.3-36	19	21	3629	INM05-200D240201	191	110	8~10
IKY33A-3200D240201Z	8700	0.3-40	19	21	3154	INM05-170D240201	166	110	8~10
IKY33A-2900D240201Z	8500	0.3-45	19	23	2869	INMO5-150D240201	151	110	6~8
IKY33A-2500D240201Z	7260	0.3-50	19	23	2451	INMO5-130D240201	129	110	6~8
IKY33A-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	110	6~8

液压原理图

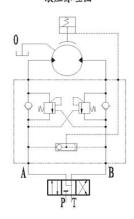


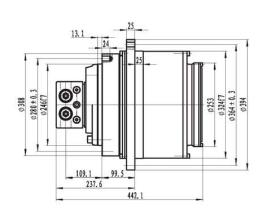


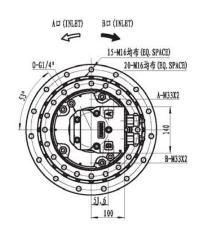
技术参数 Specifications

型号	最大輸出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马 Hydraulic		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY33B-2900D240201Z	8500	0.3-42	19	23	2869	INMO5-150D240201	151	100	6-8
IKY33B-2500D240201Z	7260	0.3-48	19	23	2451	INM05-130D240201	129	100	6-8
IKY33B-2200D240201Z	6470	0.3-55	19	23	2185	INM05-110D240201	115	100	6-8
IKY33B-1600D240201Z	4840	0.3-58	19	23	1634	INM05-90D240201	86	100	6-8
IKY33B-1400D240201Z	4160	0.3-63	19	23	1406	INM05-75D240201	74	100	6-8

液压原理图



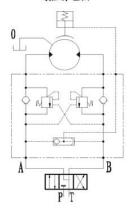




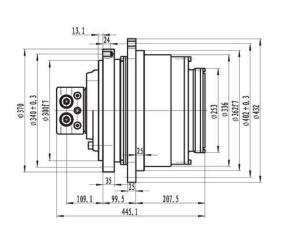
技术参数 Specifications

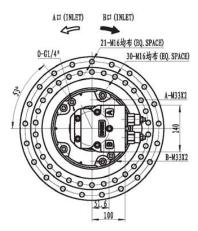
型号	最大輸出扭矩(N·n)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压 ^工 Hydraulio		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY34A-7500D240201Z	23000	0. 2-29	37.5	23.5	7537.5	INM1-200D240201	201	200	14~18
IKY34A-6500D240201Z	19700	0.2-30	37.5	23.5	6450	INM1-175D240201	172	200	12~14
IKY34A-5800D240201Z	17700	0. 2-32	37.5	23.5	5775	INM1-150D240201	154	200	10~12
IKY34A-3700D240201Z	11400	0. 2-32	37.5	23.5	3712.5	INM1-100D240201	99	200	8~10
IKY34A-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	INM1-200D240201	201	210	12 ~ 14
IKY34A-4400D240201Z	13600	0. 2-42	26.5	23.5	4458	INM1-175D240201	172	210	10~12
IKY34A-4100D240201Z	12500	0. 2-45	26.5	23.5	4081	INM1-150D240201	154	210	8~10

液压原理图



外形尺寸 Dimensions

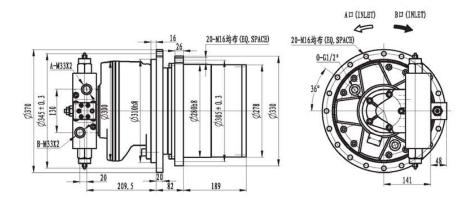




技术参数 Specifications

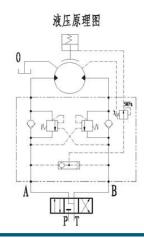
型号	最大輸出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马 Hydraulic		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total	型号 Model	排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY34B-7500D240201Z	23000	0. 2-29	37.5	23.5	7537.5	INM1-200D240201	201	240	14~18
IKY34B-6500D240201Z	19700	0.2-30	37.5	23.5	6450	INM1-175D240201	172	240	12~14
IKY34B-5800D240201Z	17700	0. 2-32	37.5	23.5	5775	INM1-150D240201	154	240	10~12
IKY34B-3700D240201Z	11400	0. 2-32	37.5	23.5	3712.5	INM1-100D240201	99	240	8~10
IKY34B-5300D240201Z	16300	0.2-40	26.5	23.5	5326.5	INM1-200D240201	201	250	12~14
IKY34B-4400D240201Z	13600	0. 2-42	26.5	23.5	4458	INM1-175D240201	172	250	10~12
IKY34B-4100D240201Z	12500	0. 2-45	26.5	23. 5	4081	INM1-150D240201	154	250	8~10

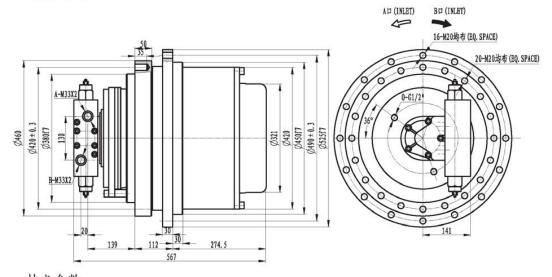
液压原理图 0 A B



技术参数 Specifications

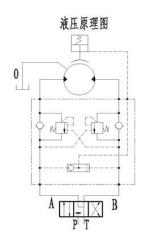
型号	最大輸出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马达 Hydraulic M	#.//	重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY44A-9600D47F2402011Z	24000	0.1-30	19.4	20	9564.2	INN2-500D47F2402011	493	200	16~18
IKY44A-8300D47F2402011Z	21000	0.1-30	19.4	20	8245	INM2-420D47F2402011	425	200	14~16
IKY44A-6800D47F2402011Z	17000	0.1 - 30	19.4	20	6731.8	INM2-350D47F2402011	347	200	12~14

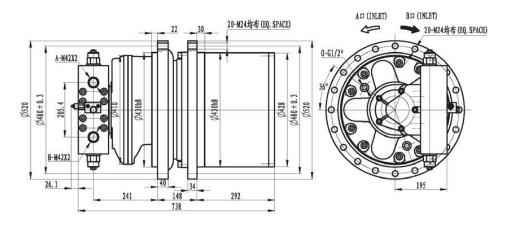




技术参数 Specifications

型号	最大输出扭矩(N·m)	特速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马 Hydraulic		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(ml/r) Displacement	Mass	Applicable Vehicle Mass
IKY45A-16000D47F240201Z	48000	0.2 – 15	37.5	23	15937.5	INM2-420D47F240201	425	240	24 ~ 30
IKY45A-13000D47F240201Z	39000	0.2 - 19	37.5	23	13012.5	INM2-350D47F240201	347	240	20~24
IKY45A-11500D47F240201Z	34000	0.2 - 21	37.5	23	11400	INM2-300D47F240201	304	240	18 ~ 24
IKY45A-9500D47F240201Z	28000	0.2 - 26	37.5	23	9412.5	INM2-250D47F240201	251	240	16~18





技术参数 Specifications

型号	最大輸出扭矩(N·m)	转速 (rpm)	传动比	最高压力(MPa)	总排量 (m1/r)	液压马达 Hydraulic Motor		重量 (Kg)	适用机重(ton)
Mode1	Max. Output Torque	Speed	Ratio	Max. Pressure	Total Displacement	型号 Model	排量(m1/r) Displacement	Mass	Applicable Vehicle Mass
IKY66A-26000D90F4802011Z	80000	0.1-11	19.4	24	25530.4	INN4-1300090F4802011	1316	425	50
IKY66A-25000D90F4802011Z	75000	0.1-12	19.4	24	24191.8	INN4-1200094F4802011	1250	425	45
IKY66A-22000D90F4802011Z	67000	0.1-14	19.4	24	21650.4	INN4-1100090F4802011	1100	425	40

