



## GMW series Hydraulic Winch

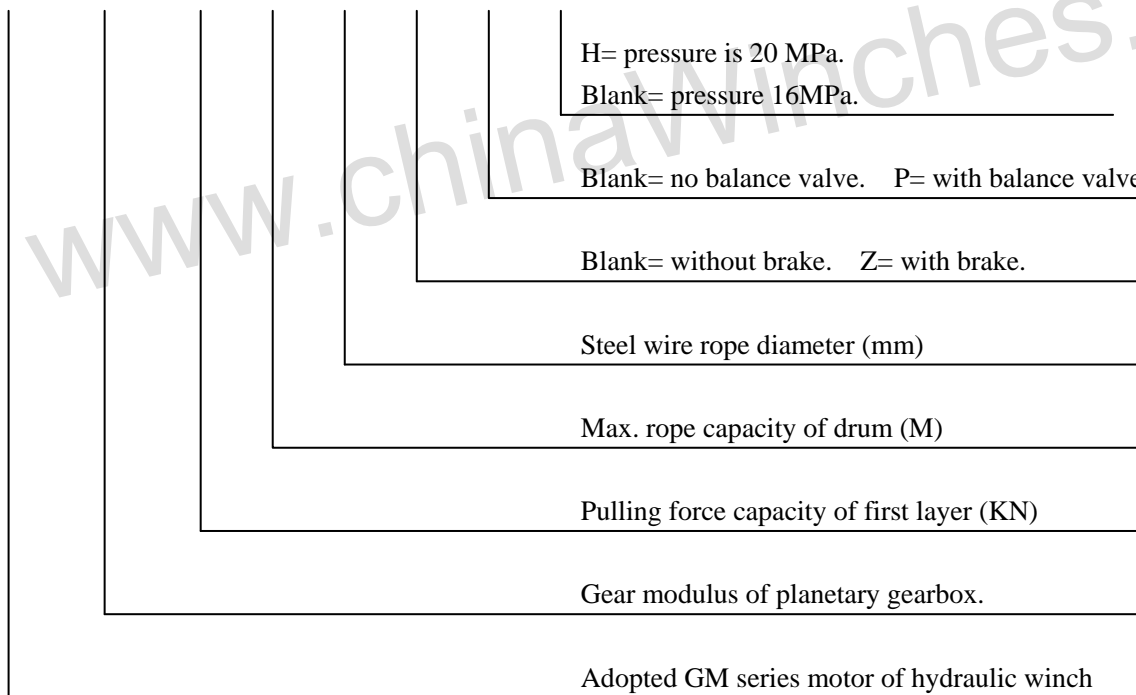


GMW series hydraulic winch is composed with all sorts of distributors that consist of one-way balance valve, control brake, high pressure shuttle valve, GM type hydraulic motor, Z type brake, C type gearbox, and drum. Users only configure hydraulic power unit and change valve. As the winch has valve sets, its not only simplified the hydraulic system, but also enhances the working reliability of the transmission drives.

It can be applied in traction equipment, pedrail and automobile crane, pipe hoist machine, grab bucket, drilling machine, construction and marine industry.

Ordering code:

GMW \* \* \* \* Z P H



Description of parameters:

- 1- The oil supply is the theoretical flow of hydraulic unit, namely the calculated value of under conditions of considering the system efficiency of 90%.
- 2- The rope capacity of drum is the theoretical max. capacity to hold the rope. The actually allowable effective rope capacity should consider keeping 3 loops of steel wire rope un-used to prevent to rope end from disengagement.

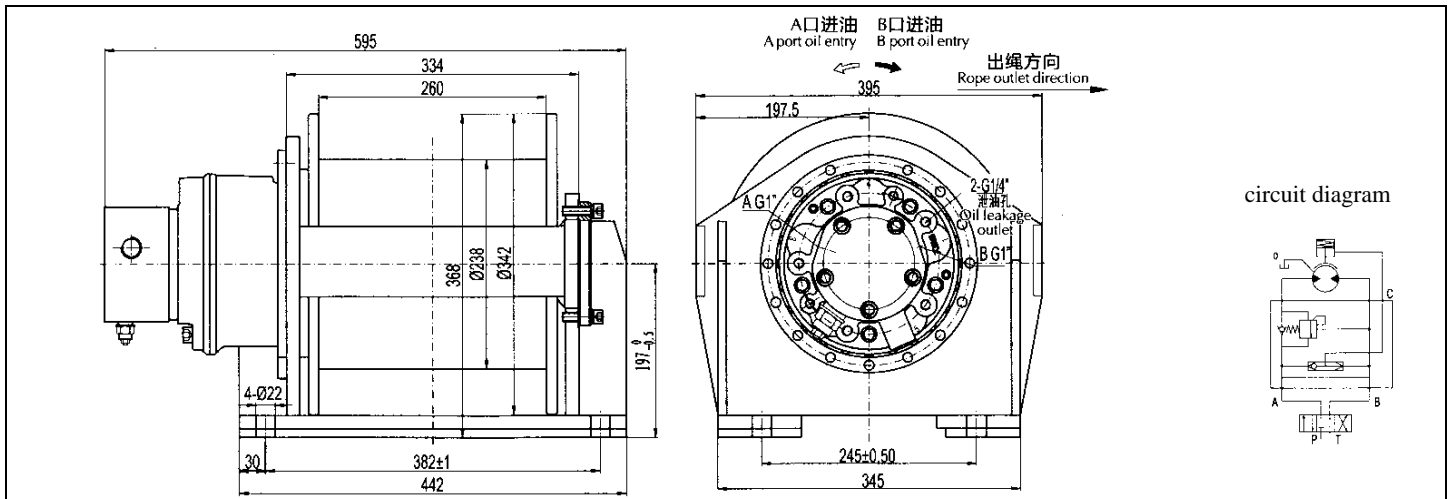
Example model:

**GMW5-100-90-28-ZPH** indicates:

The hydraulic winch with planetary gearbox modulus of 5, the pulling force capacity of 100KN at the first layer, drum rope capacity is 90 M, steel wire rope diameter is 28mm, and it has brake and one-way balance valve and pressure 20MPa.

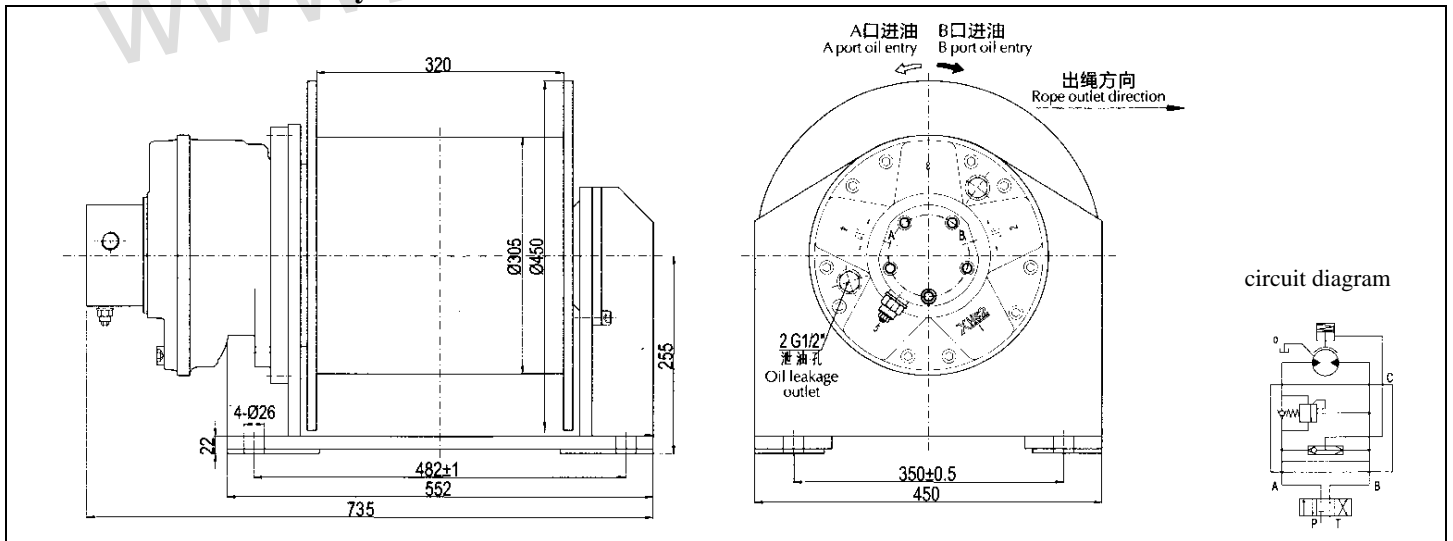


## GMW 2.5 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW2.5-10-60-10-ZP	10	0-25	20	575	15	10	60	GM05-110D51	C2.5-5	120
GMW2.5-20-50-12-ZP	20	0-25	20	1050	17	12	50	GM05-200D51	C2.5-5	120

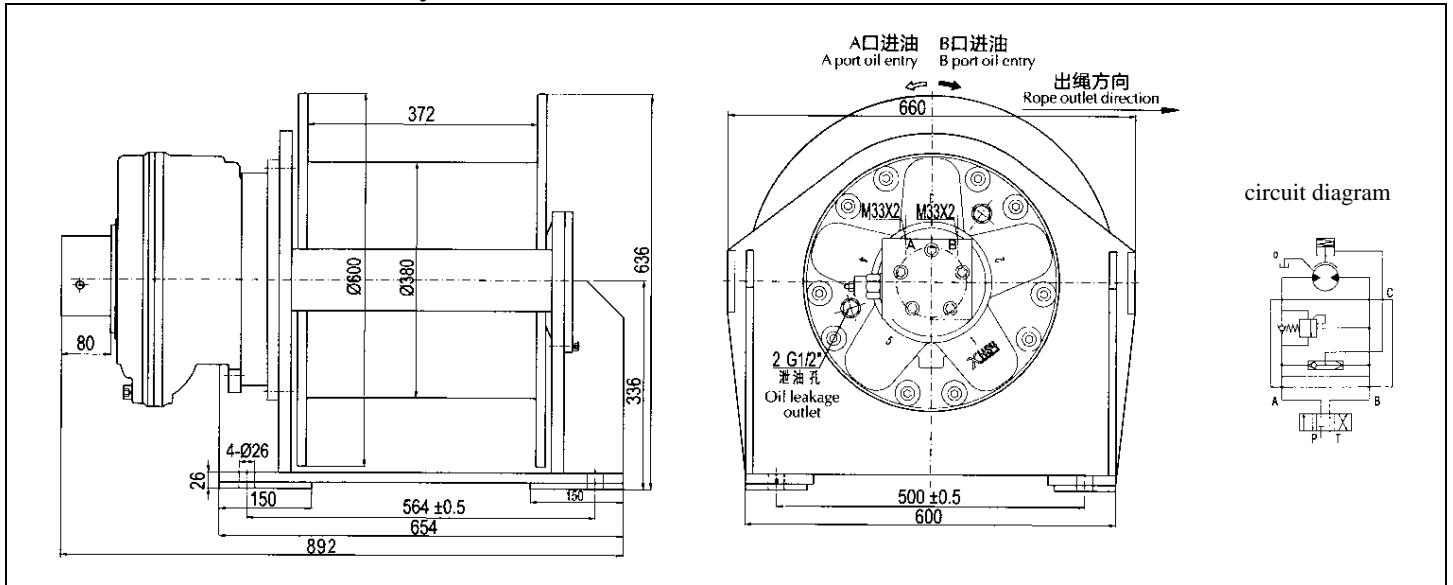
## GMW 3 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW3-30-65-15-ZP	30	0-30	59	2125	15.9	15	65	GM2-420D51	C3-5	300
GMW3-40-60-16-ZP	40	0-30	59	2712	16.4	16	60	GM2-500D51	C3-5.5	300

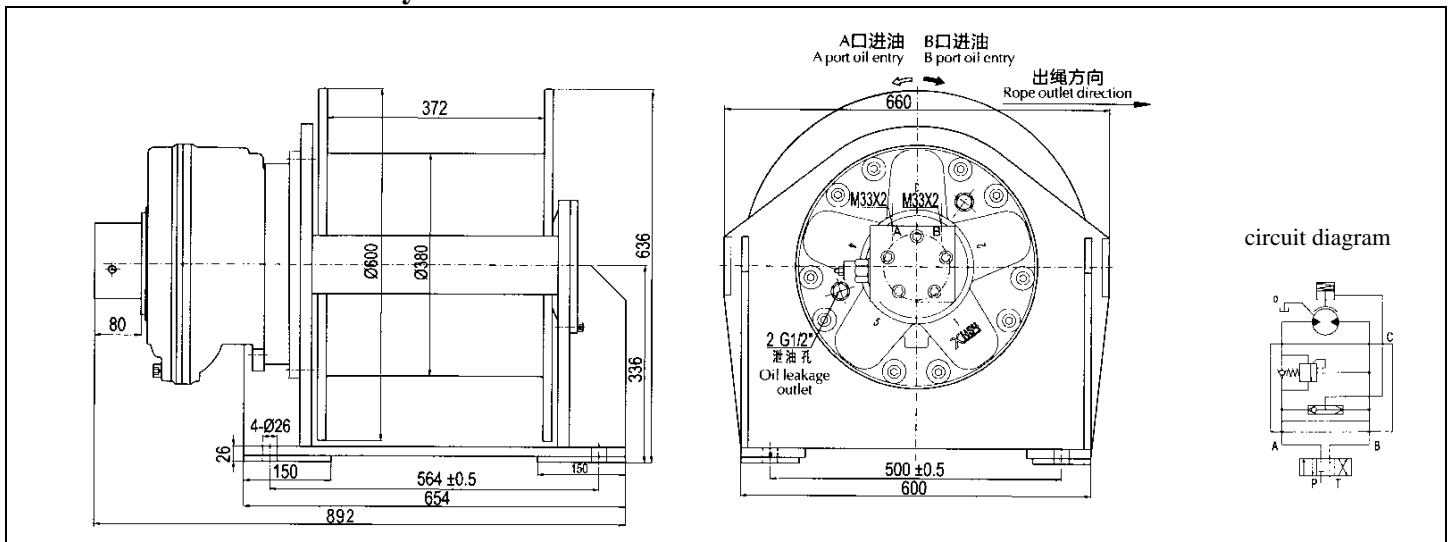


### GMW 4 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW4-50-70-20-ZP	50	0-35	80	4365	16.3	20	70	GM3-900D240101	C4-5	550
GMW4-60-68-21.5-ZP	60	0-35	80	5429	16	21.5	68	GM3-900D240101	C4-5.5	550

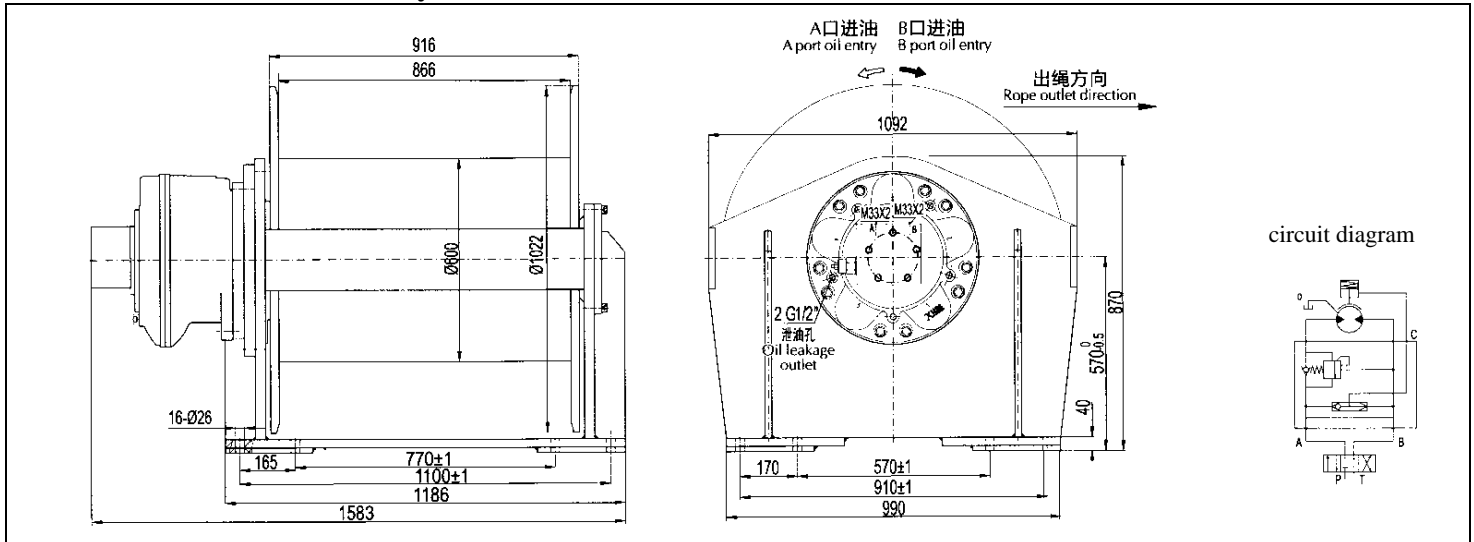
### GMW 5 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW5-80-100-24-ZP	80	0-35	120	9080	15.6	24	100	GM5-1800D240101	C5-5	1200
GMW5-100-90-28-ZP	100	0-35	120	11039	16	28	90	GM5-1800D240101	C5-5.5	1200

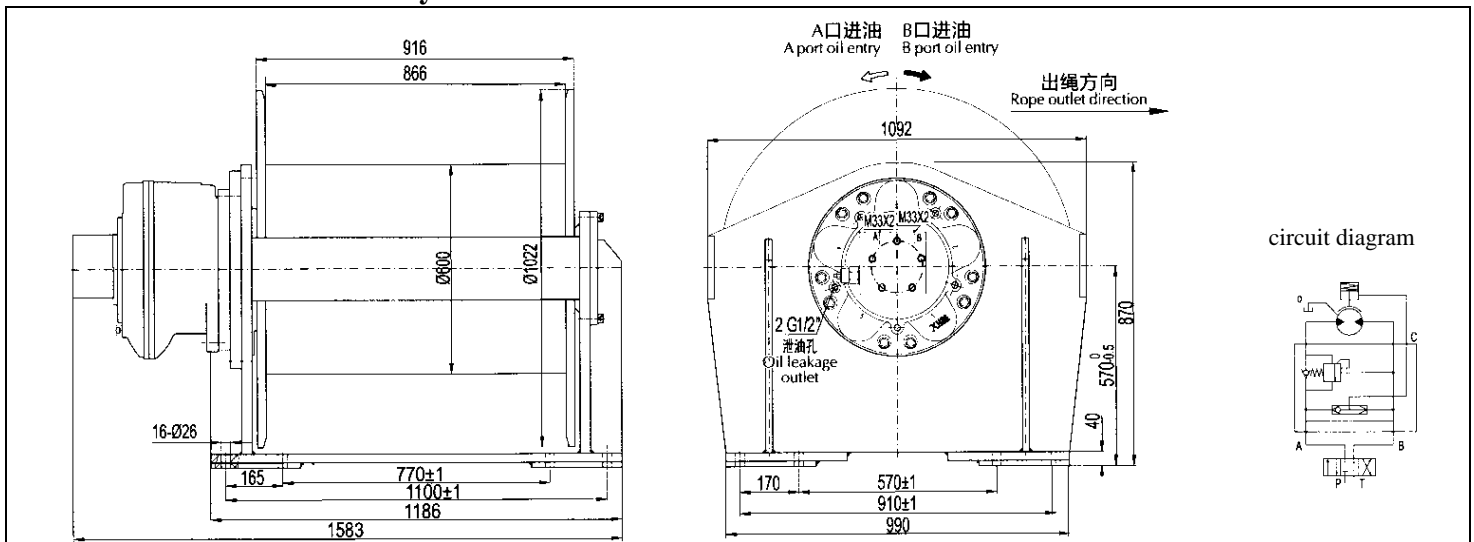


### GMW 6 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW6-120-170-30-ZP	120	0-25	170	16725	17	30	175	GM6-3000D480101	C6-5.5	2300
GMW6-150-150-34-ZP	150	0-20	170	16725	19.8	34	150	GM6-3000D480101	C6-5.5	2300

### GMW 7 series hydraulic winch



Model	First layer		Motor power (KW)	Total disp. (ml/r)	Differential of working pressure (MPa)	Rope dia. (mm)	Rope capacity (M)	Model of hydraulic motor	Model of planetary gearbox	Weight (KG)
	Pulling force (kN)	Rope speed (M/min)								
GMW7-180-143-38-ZP	180	0-25	210	23639	17.8	38	143	GM7-4300D480101	C7-5.5	2800