



IAMW series Hydraulic Winch

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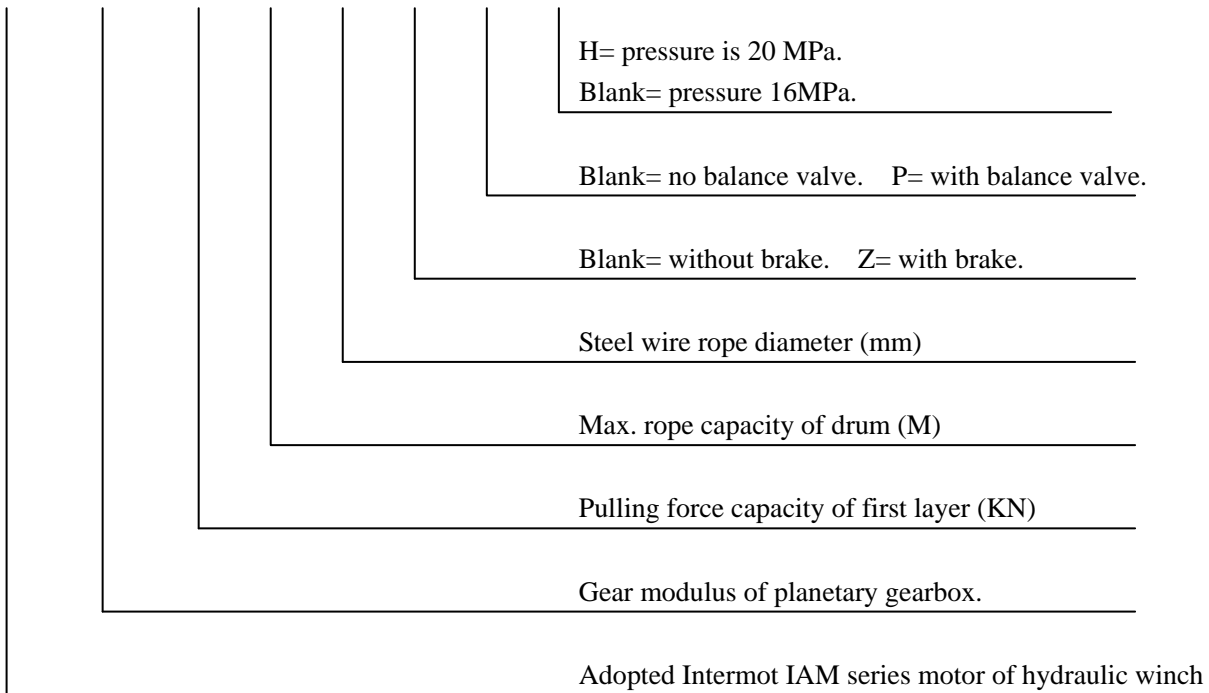


IAMW series hydraulic winch is composed with all sorts of distributors that consist of one-way balance valve, control brake, high pressure shuttle valve, IAM H type hydraulic motor, Z type brake, C type gearbox, and drum. Users only configure hydraulic power unit and change valve. As the winch has valve 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:

IAMW * * * * 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.

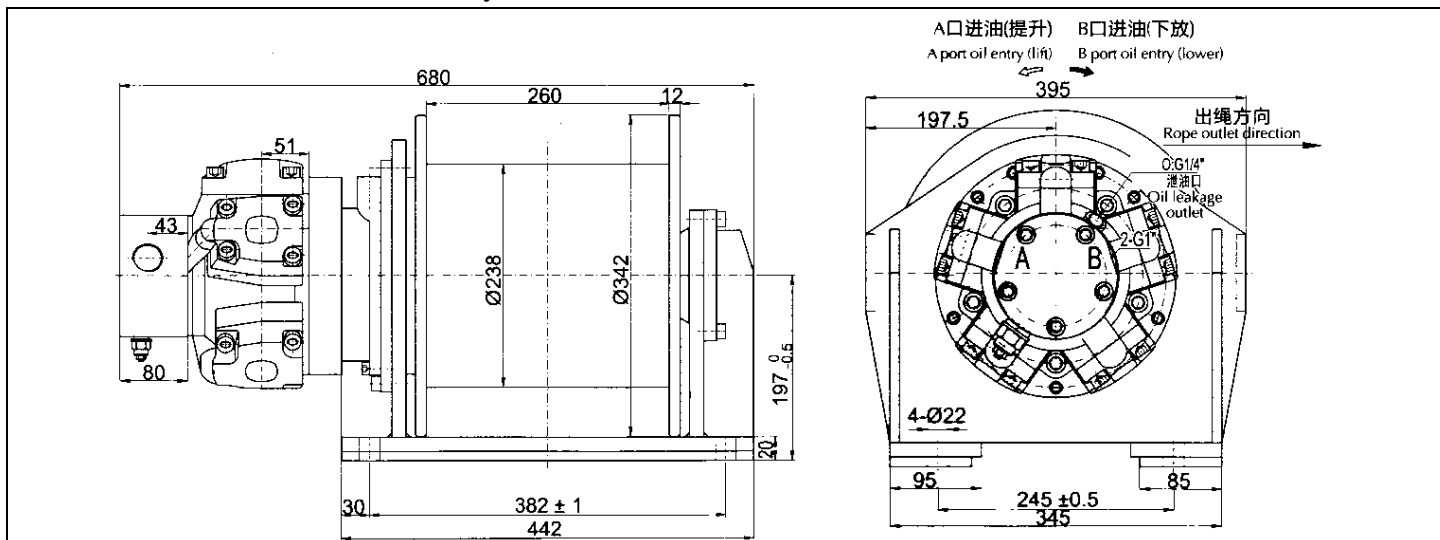
Example model:

IAMW7-240-140-42-ZPH indicates:

The hydraulic winch with planetary gearbox modulus of 7, the pulling force capacity of 240 kN at the first layer, drum rope capacity is 140 M, steel wire rope diameter is 42mm, it has brake and one-way balance valve and pressure 20MPa.

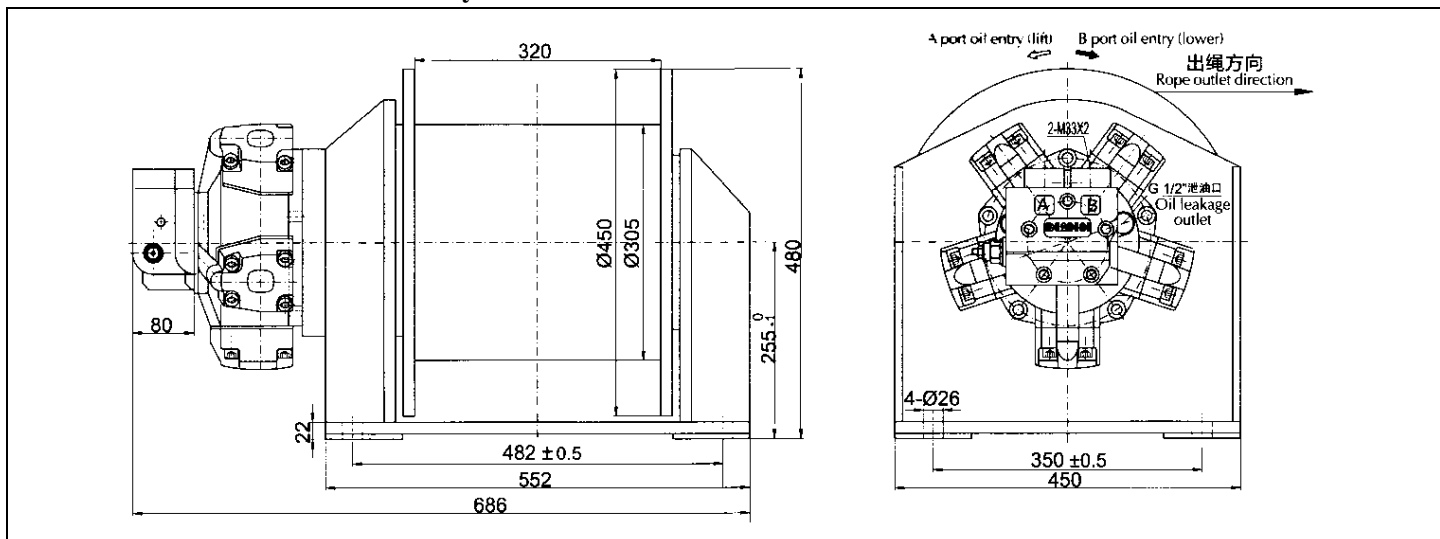


IAMW 2.5 series hydraulic winch



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)								
IAMW2.5-10-60-10-ZP	10	0-25	22	620	15.1	10	60	IAM H2-125D51	C2.5A	120
IAMW2.5-20-50-12-ZP	20	0-25	22	1442	14	12	50	IAM H2-125D51	C2.5D	120

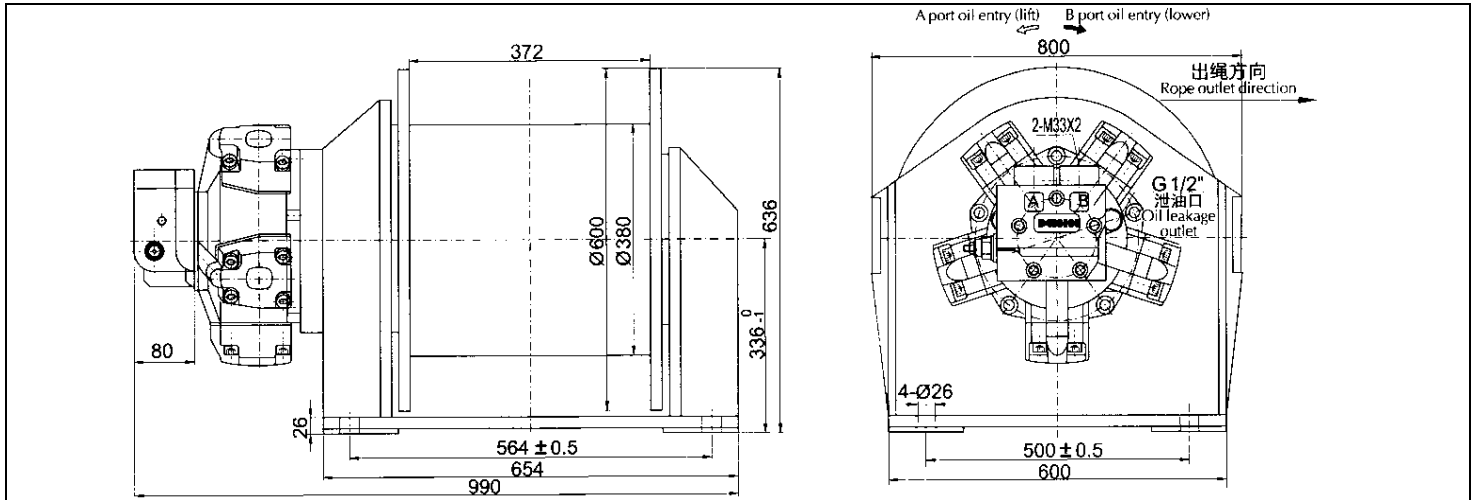
IAMW 3 series hydraulic winch



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)								
IAMW3-30-65-15-ZP	30	0-30	52	2455	14.5	15	65	IAM H6-500D120	C3A	300
IAMW3-40-64-16-ZP	40	0-30	52	3267	16	16	64	IAM H6-600D120	C3D	300

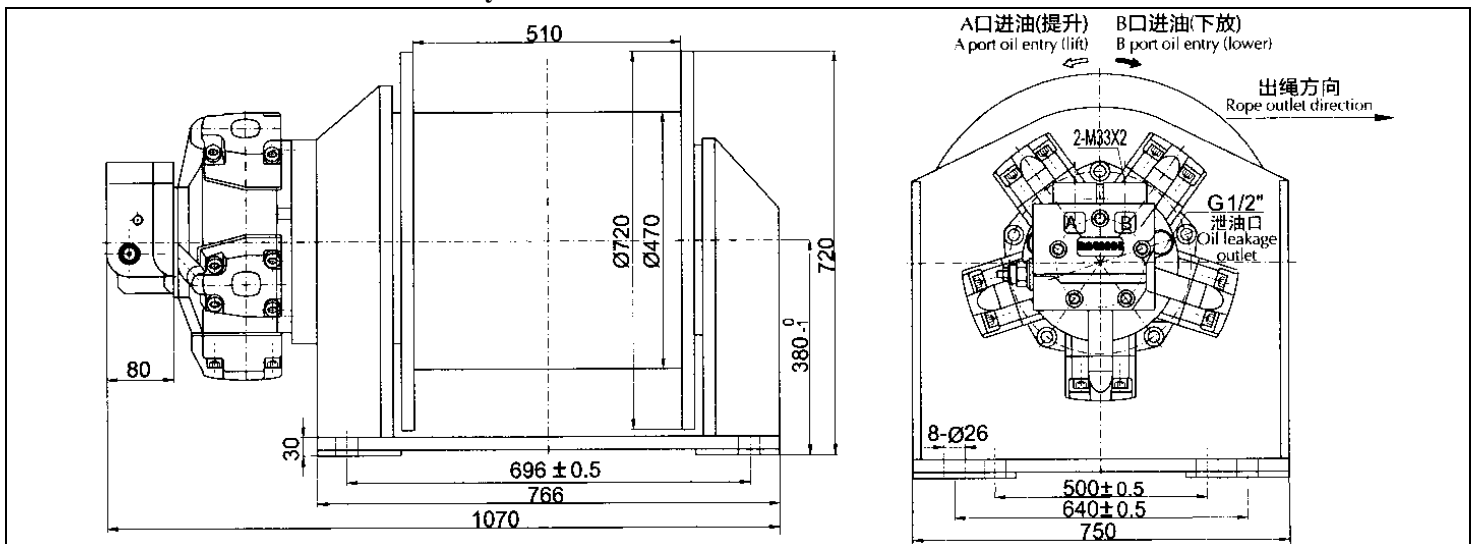


IAMW 4 series hydraulic winch



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)								
IAMW4-50-87-20-ZP	50	0-35	78	4961	13.6	20	87	IAM H11-1000D240	C4A	685
IAMW4-60-68-21.5-ZP	60	0-35	78	6138	14.2	21.5	68	IAM H11-1000D240	C4D	685

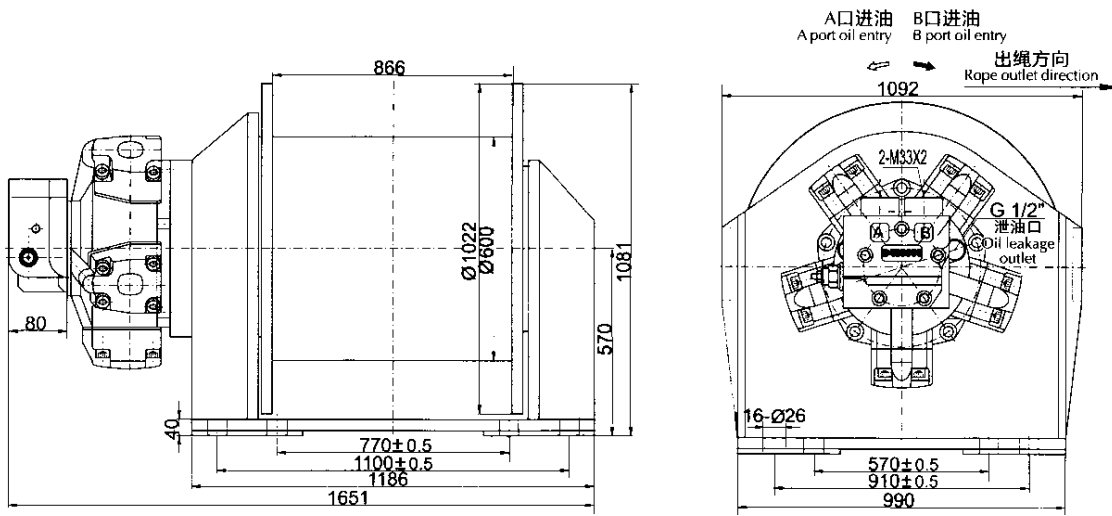
IAMW 5 series hydraulic winch



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)								
IAMW5-80-100-24-ZP	80	0-35	95	9983	14.5	24	100	IAM H16-1800D240	C5D	1200
IAMW5-100-90-28-ZP	100	0-35	95	12469	14.6	28	90	IAM H16-1800D240	C5D	1200

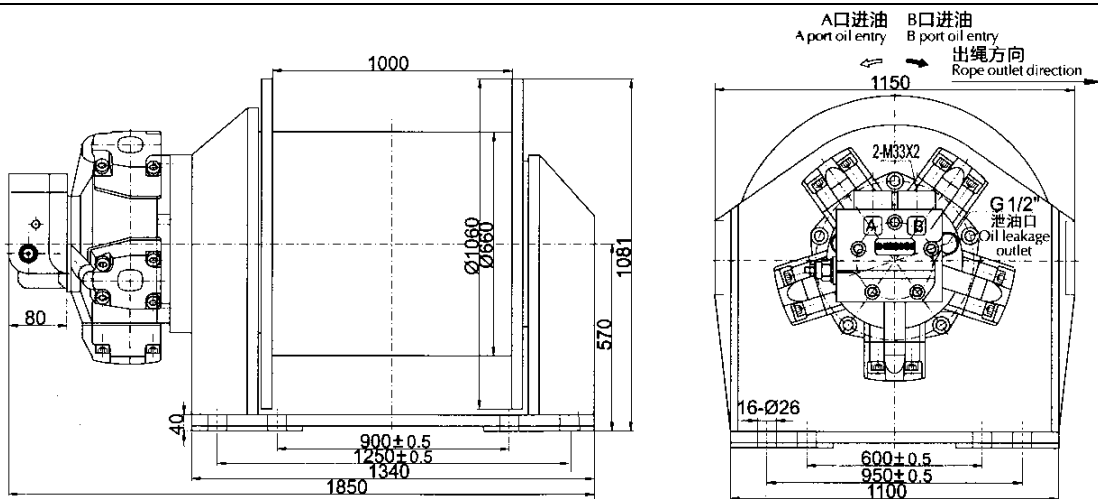


IAMW 6 series hydraulic winch



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)								
IAMW6-120-176-30-ZPH	120	0-25	110	16714	17	30	176	IAM H31-3000D480	C6D	2300
IAMW6-150-153-34-ZPH	150	0-25	110	19041	18	34	153	IAM H31-3000D480	C6D	2300
IAMW6-180-198-38-ZPH	180	0-25	110	22853	18	38	143	IAM H31-3000D480	C6D	2300

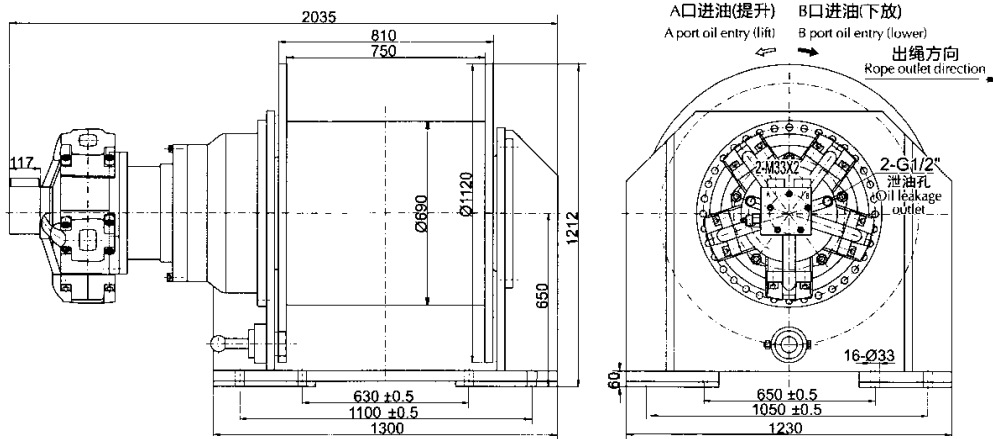
IAMW 7 series hydraulic winch



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)								
IAMW7-200-150-40-ZPH	200	0-30	120	27434	18	40	150	IAM H40-5000D480	C7D	2800
IAMW7-240-140-42-ZPH	240	0-30	120	34710	17.5	42	140	IAM H40-5000D480	C7D	2800

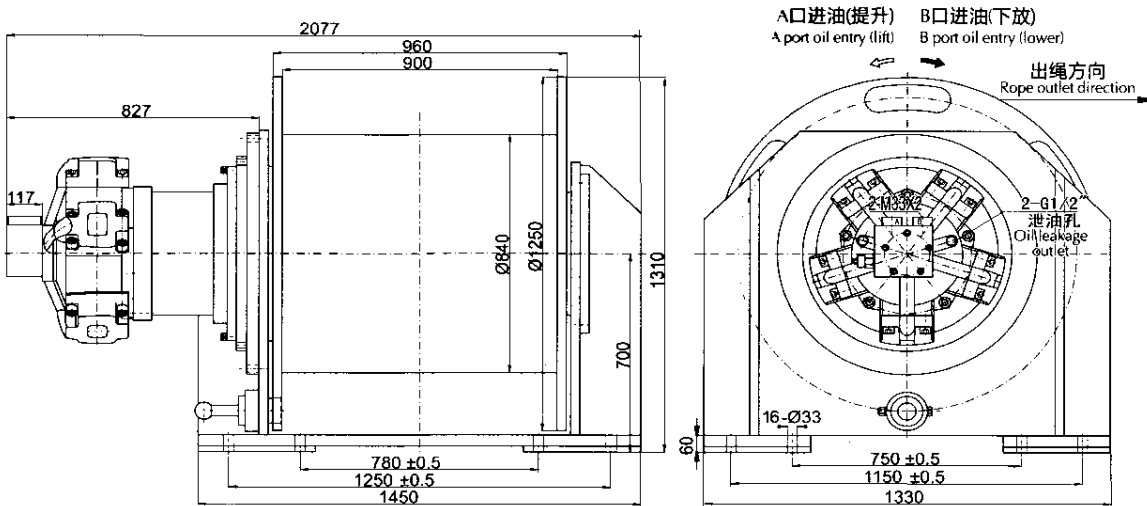


IAMW 67 series hydraulic winch



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)								
IAMW67-250-110-42-ZPH	250	0-14	110	51488	13.5	42	110	IAM H31-3150D480	C67-16	3600
IAMW67-280-105-44-ZPH	280	0-14	110	55392	14	44	105	IAM H31-3500D480	C67-16	3600

IAMW 79series 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)								
IAMW79-300-155-44-ZPH	300	0-16	110	55392	17.8	44	155	IAM H31-3500D480	C79-16	4500
IAMW79-350-150-46-ZPH	350	0-16	110	66432	17.5	46	150	IAM H31-3500D480	C79-16	4500
IAMW79-400-145-48-ZPH	400	0-16	110	72384	18.2	48	145	IAM H31-3500D480	C79-16	4500