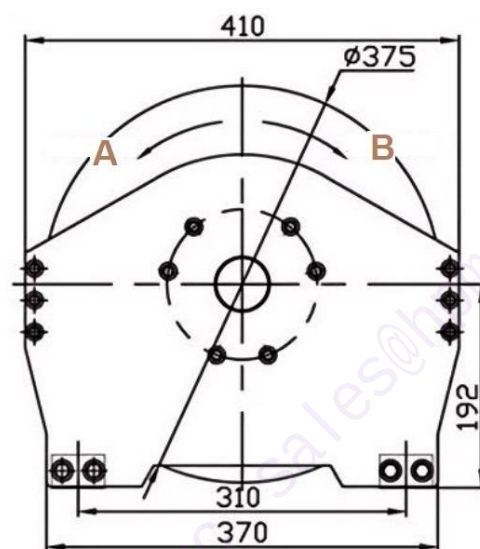
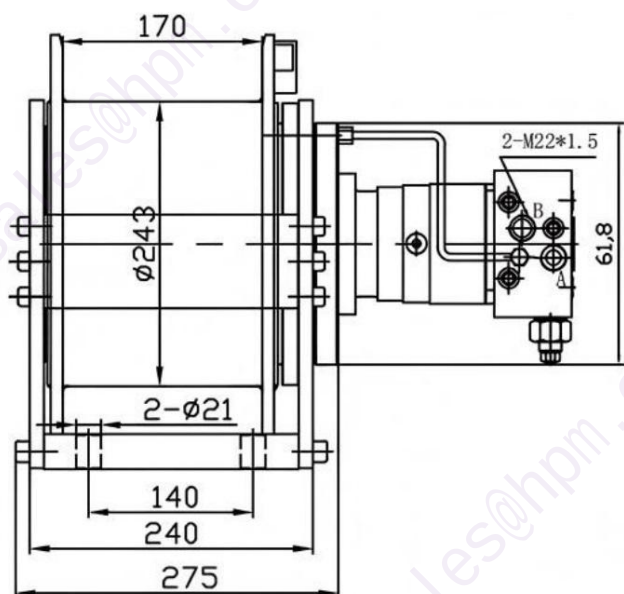


Hydraulic winches

20KN/2 ton

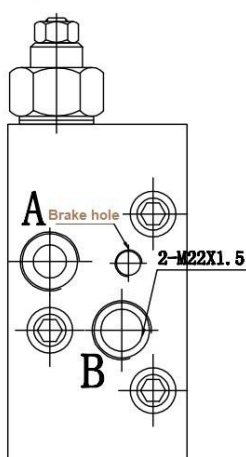
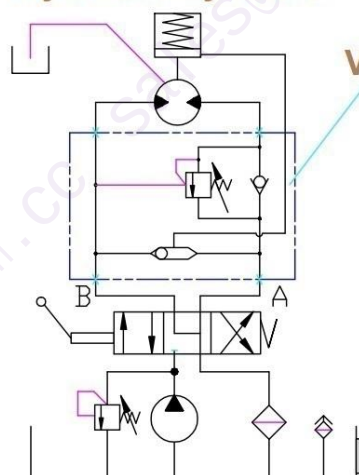
W20-243-275-OMS250-E

Model	The 1st layer rope		Total displacement (ml/rev)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-275-OMS250-E	20	37	1250	14.5	75	12	1st	11	BMS-250	i=5
							2nd	23		
							3rd	37		
							4th	51		



Hydraulic symbols

Valve block



Shelf shape type: E

Oil port A in: lifting up;
Oil port B in: put down

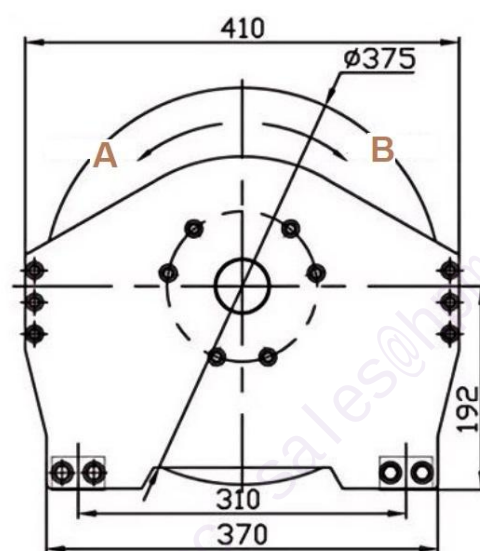
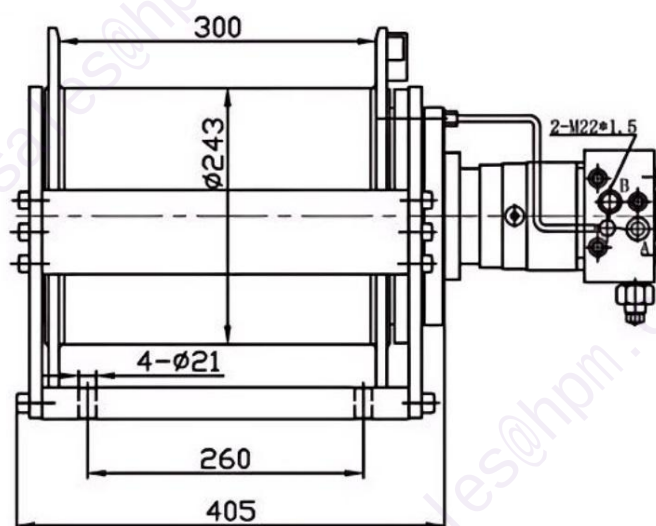
Model description	W	1	2	3	4	5
	Winch	Rope pull	Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20: 20 KN	243	275	OMS/BMS-250	E

Hydraulic winches

20KN/2 ton

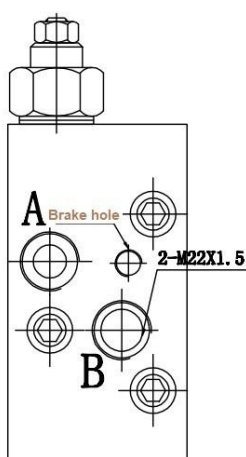
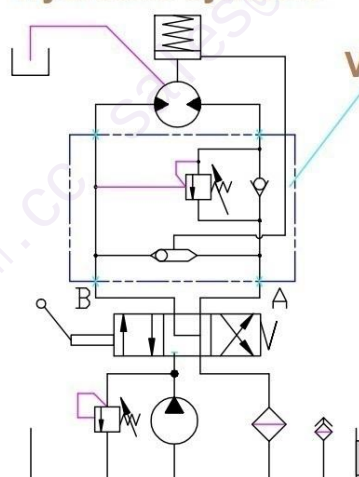
W20-243-405-OMS250-E

Model	The 1st layer rope		Total displacement (ml/rev)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-405-OMS250-E	20	37	1250	14.5	75	12	1st	20	BMS-250	i=5
							2nd	42		
							3rd	65		
							4th	91		



Hydraulic symbols

Valve block



Shelf shape type: E

Oil port A in: lifting up;
Oil port B in: put down

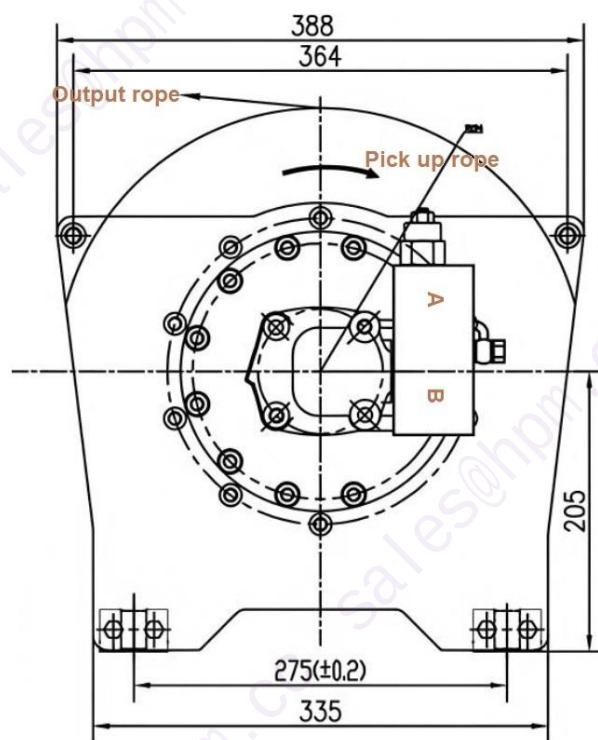
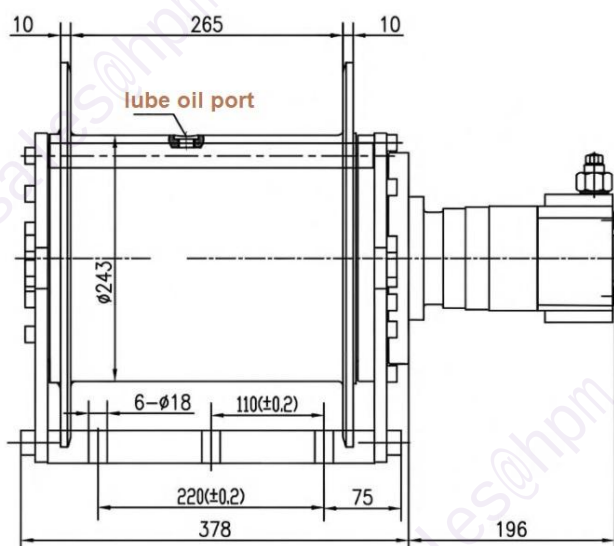
Model description	W	1	2	3	4	5
	Winch	Rope pull	Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20: 20 KN	243	405	OMS/BMS-250	E

Hydraulic winches

20KN/2 ton

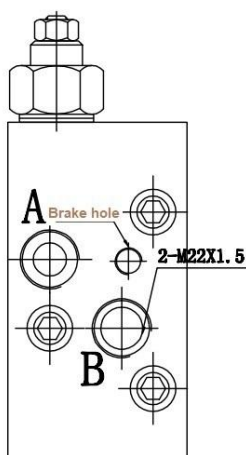
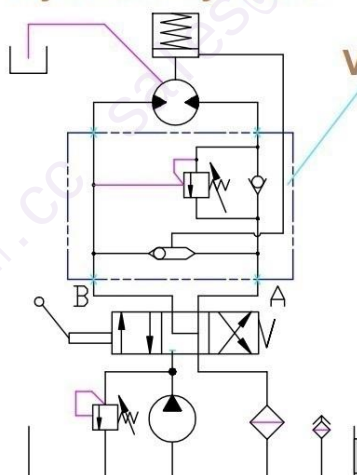
W20-243-405-OMS250-E

Model	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-378-OMS250-D	20	40	870	19	50	10	1st	21.0	BMS-250	i=5
							2nd	44.0		
							3rd	69.0		
							4th	95		
							5th	124		



Hydraulic symbols

Valve block



Shelf shape type: D

Oil port A in: lifting up;
Oil port B in: put down

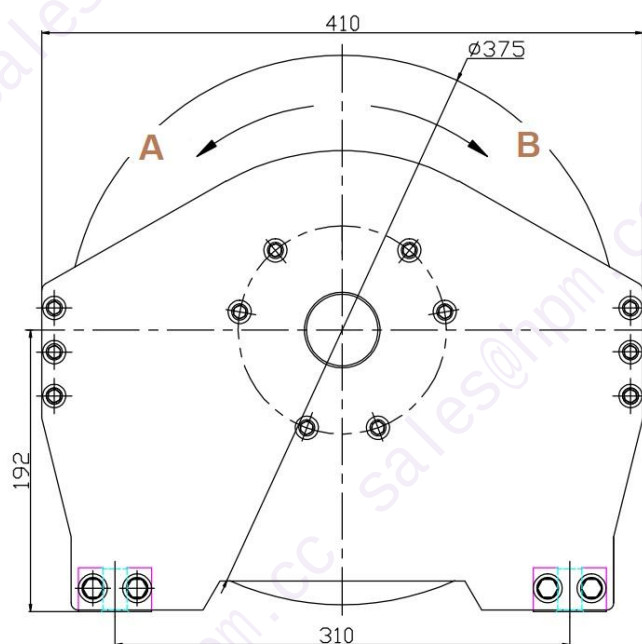
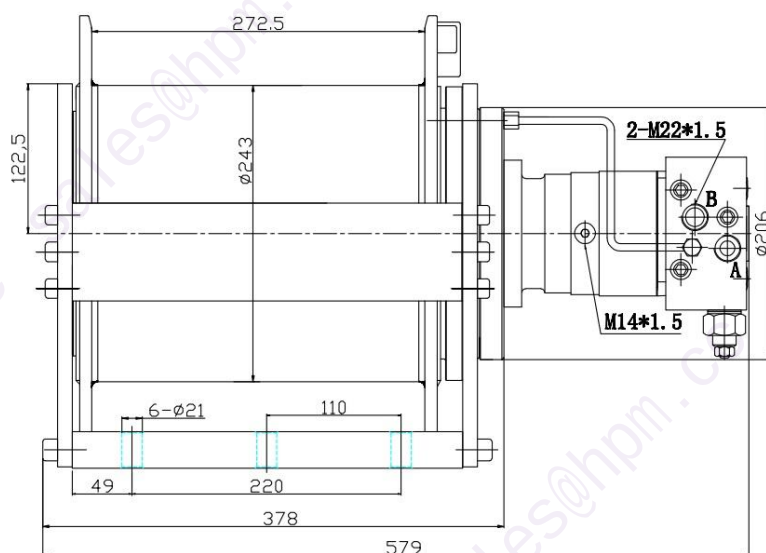
Model description	W	1		2	3	4	5
	Winch	Rope pull		Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20:	20 KN	243	378	OMS/BMS -250	D

Hydraulic winches

20KN/2 ton

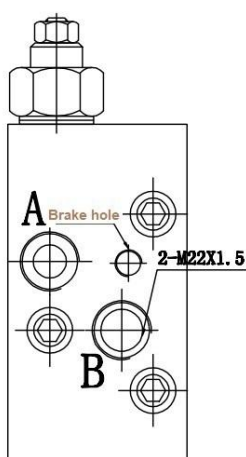
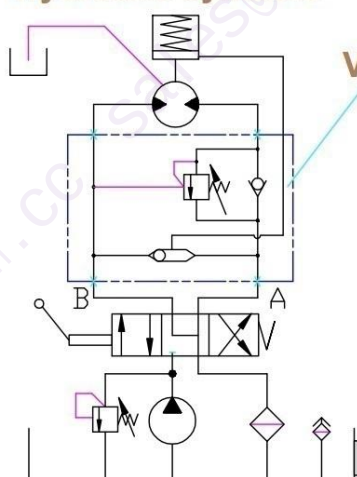
W20-243-378-OMS250-E

Model	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-378-OMS250-E	20	43	970 (2-2.5 MPa opening)	17	90	11	1st	20.0	BMS-250	i=5
							2nd	41.0		
							3rd	65.0		
							4th	89.0		



Hydraulic symbols

Valve block



Shelf shape type: E

Oil port A in: lifting up;
Oil port B in: put down

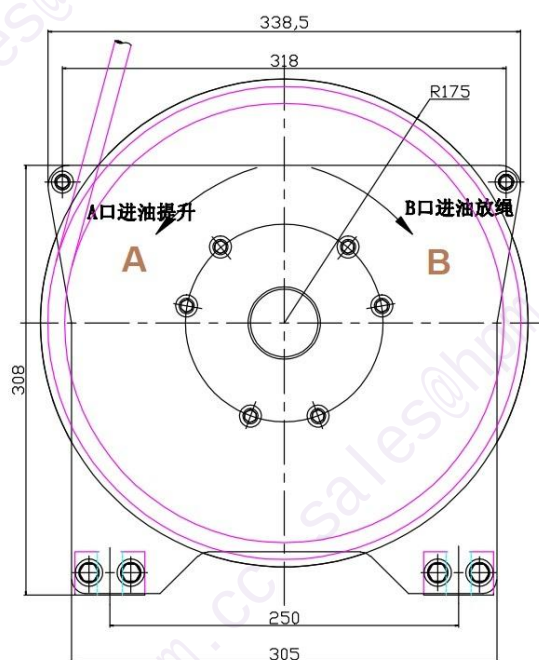
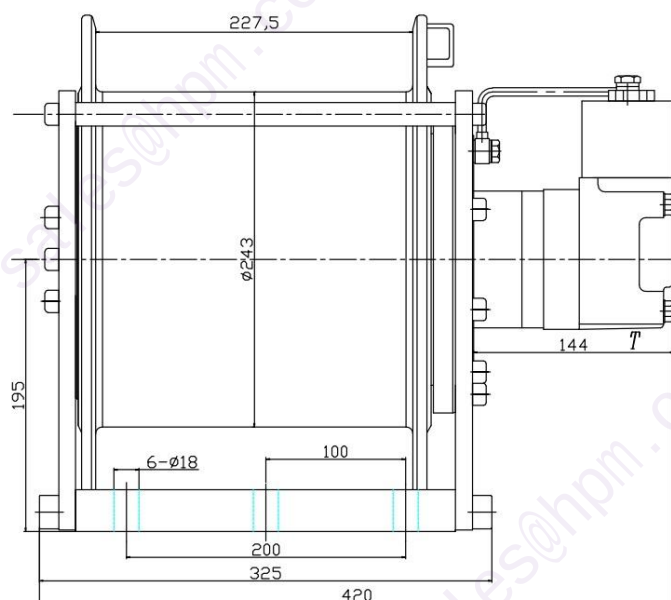
Model description	W	1		2	3	4	5
	Winch	Rope pull		Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20:	20 KN	243	378	OMS/BMS -250	E

Hydraulic winches

20KN/2 ton

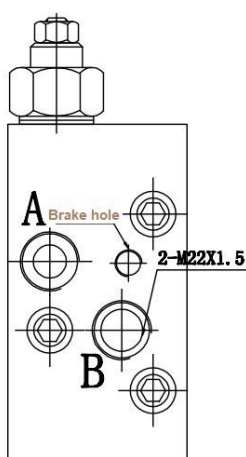
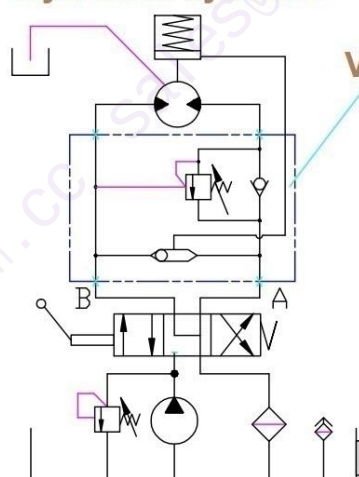
W20-243-325-OMS200-D

Model	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-325-OMS200-D	20	29	970 (2-2.5 MPa opening)	16	60	12	1st	14.5	BMS-200	i=6
							2nd	31.8		
							3rd	49.8		
							4th	69.2		



Hydraulic symbols

Valve block



Shelf shape type: D

Oil port A in: lifting up;
Oil port B in: put down

Model description	W	1		2	3	4	5
	Winch	Rope pull		Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20:	20 KN	243	325	OMS/BMS -200	D

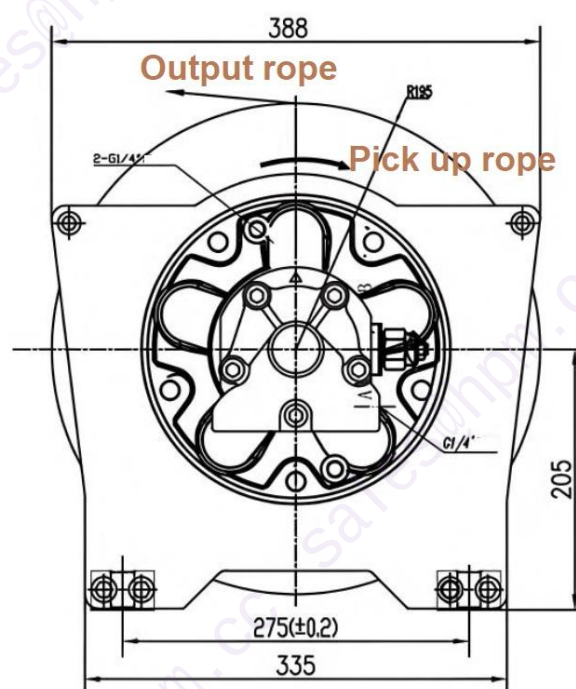
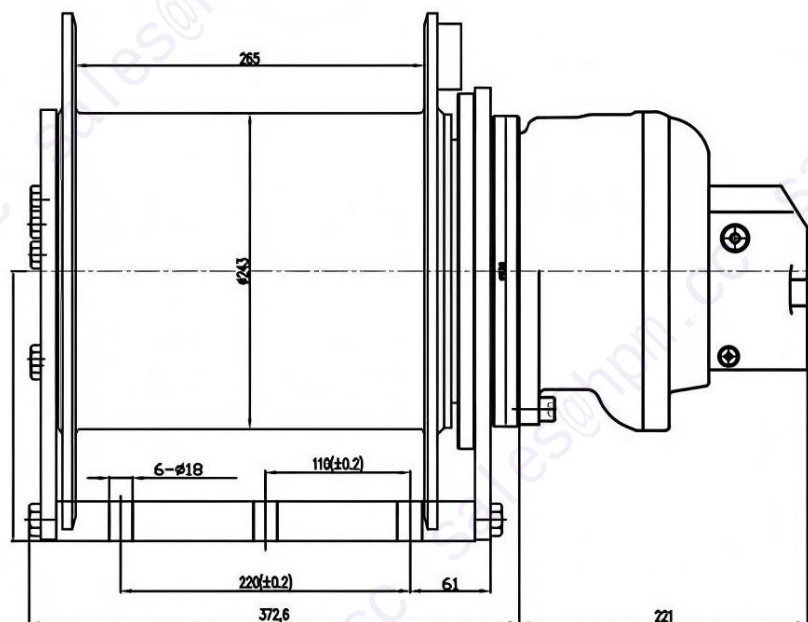
Hydraulic winches

HPM
GROUP

20KN/2 ton

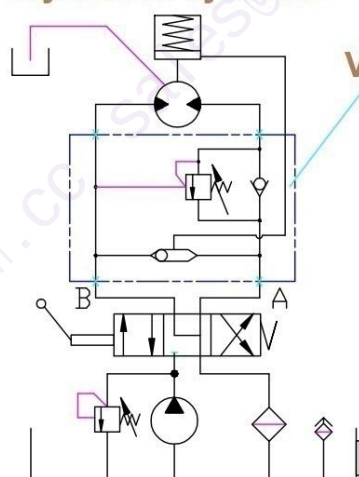
W20-243-372.6-GM1-250-D

Model	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-372.6-GM1-250-D	20	40	970 (2-2.5 MPa opening)	20	50	12	1st	21.0	GM1-250	i=6
							2nd	44.0		
							3rd	69.0		
							4th	95.0		
							5th	124.0		



Hydraulic symbols

Valve block



Shelf shape type: D

Oil port A in: lifting up;
Oil port B in: put down

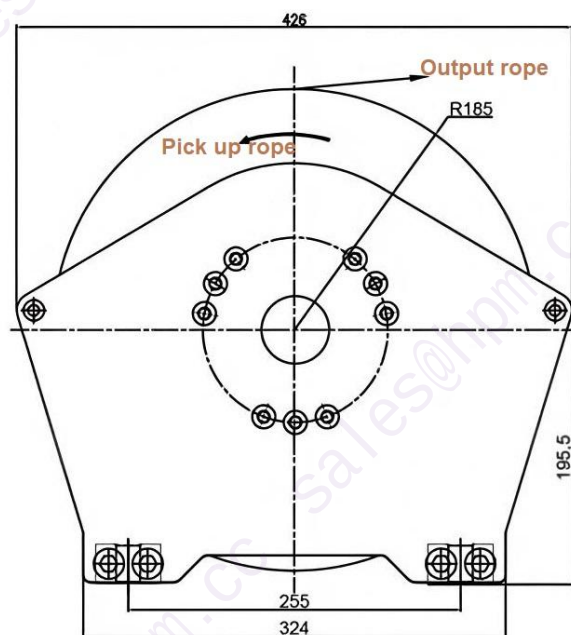
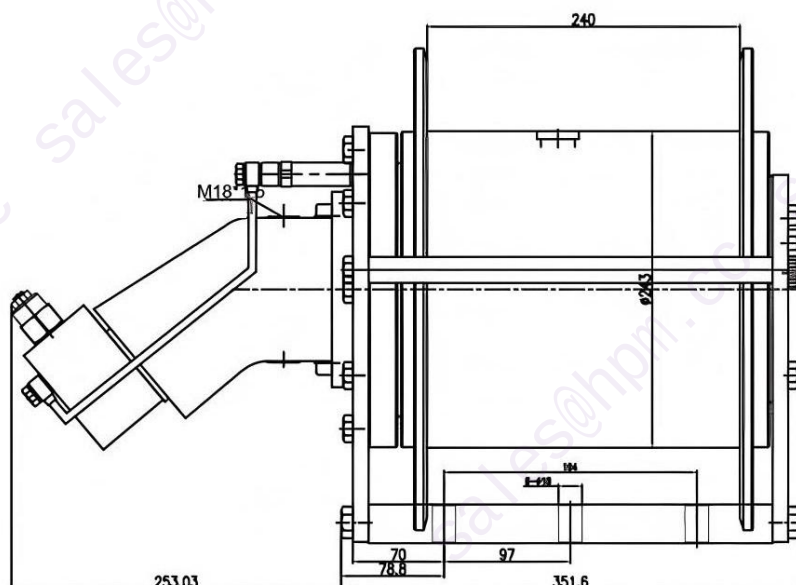
Model description	W	1		2	3	4	5
	Winch	Rope pull		Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20:	20 KN	243	372.6	GM1-250	D

Hydraulic winches

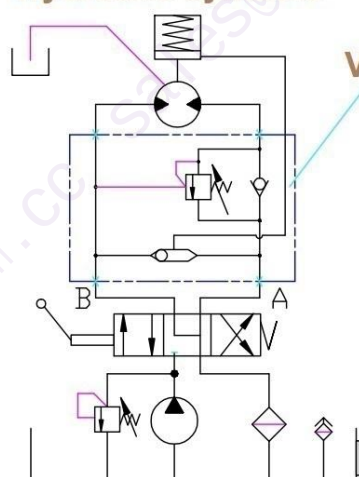
20KN/2 ton

W20-243-351.6-A2FM56-E

Model	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-351.6-A2FM56-E	20	40	2000 (1.8-2MPa opening)	18	75	10	1st	19.0	A2FM56	i=21.1
							2nd	39.0		
							3rd	61.0		
							4th	85.0		
							5th	110.0		



Hydraulic symbols



Valve block

Shelf shape type: E

Oil port A in: lifting up;
Oil port B in: put down

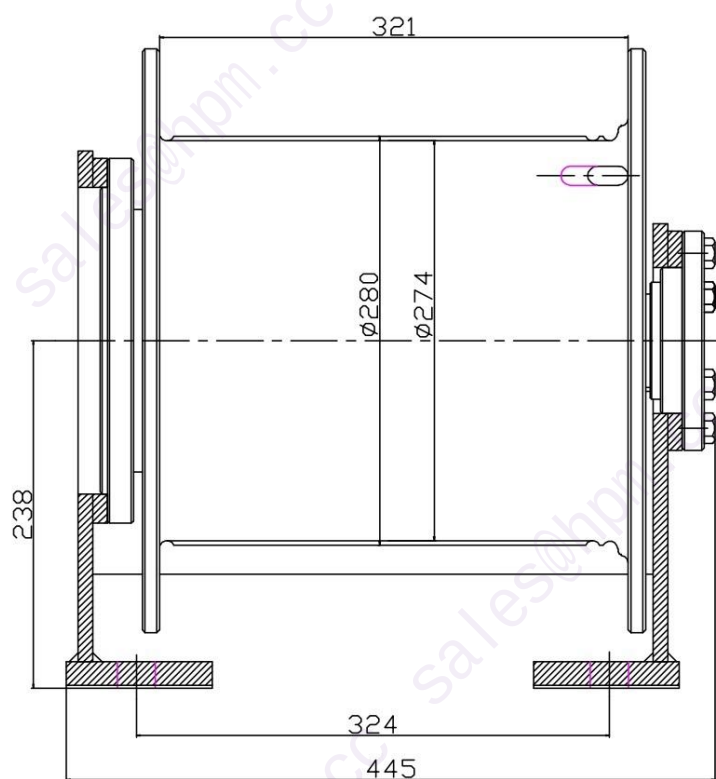
Model description	W	1	2	3	4	5
	Winch	Rope pull	Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20: 20 KN	243	351.6	A2FM56	E

Hydraulic winches

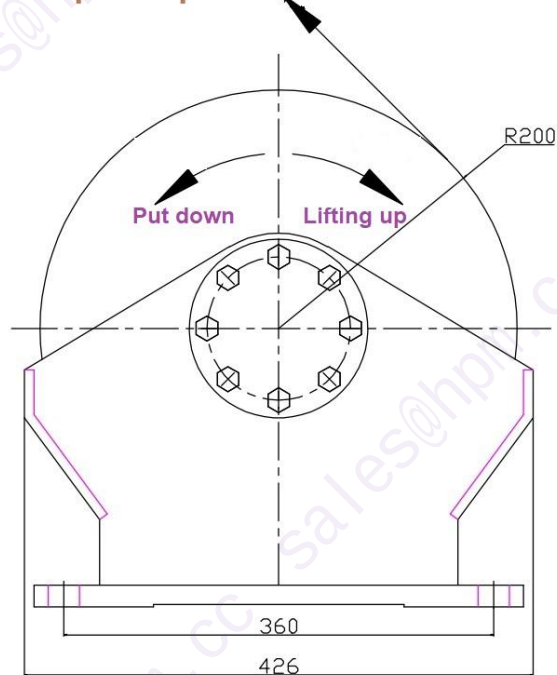
20KN/2 ton

WG20-274-445-A2FM56-Y

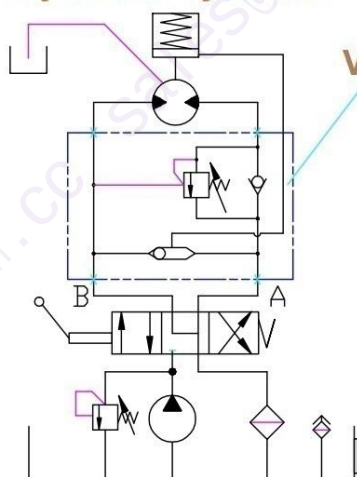
Model (With rope groove)	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
WG20-274-445-A2FM56-Y	20	41	580	19	62	11	1st	26.0	A2FM56	i=21.6
							2nd	54.0		
							3rd	84.0		
							4th	116.5		



Rope output direction



Hydraulic symbols



Valve block

Shelf shape type: Y

Oil port A in: lifting up;
Oil port B in: put down

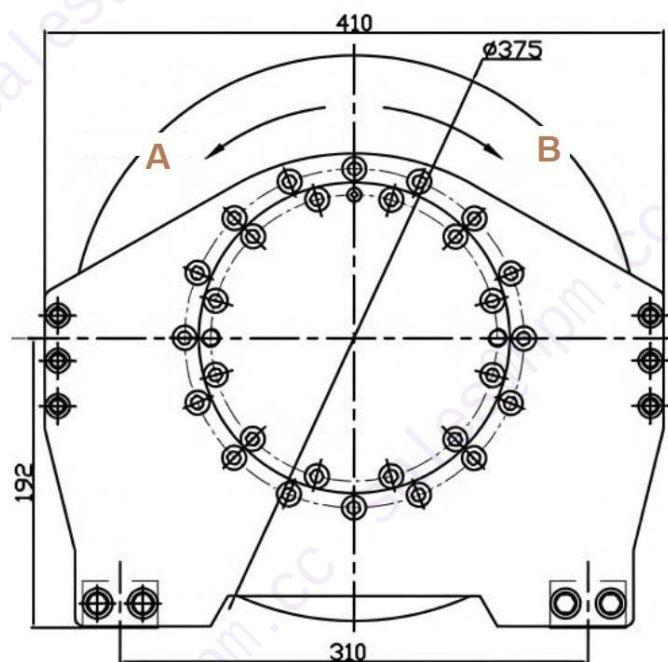
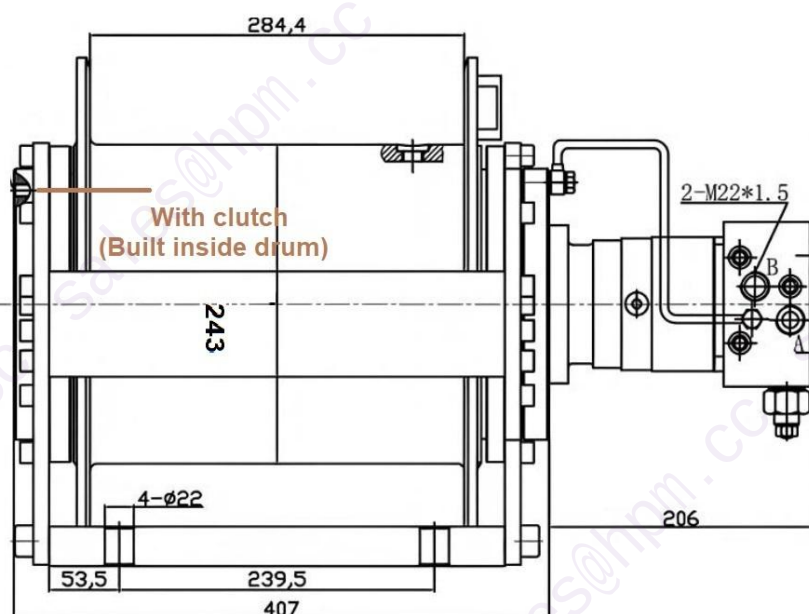
Model description	W	1	2	3	4	5
	Winch	Rope pull	Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type
		20: 20 KN	274 (With rope groove)	445	A2FM56	Y

Hydraulic winches

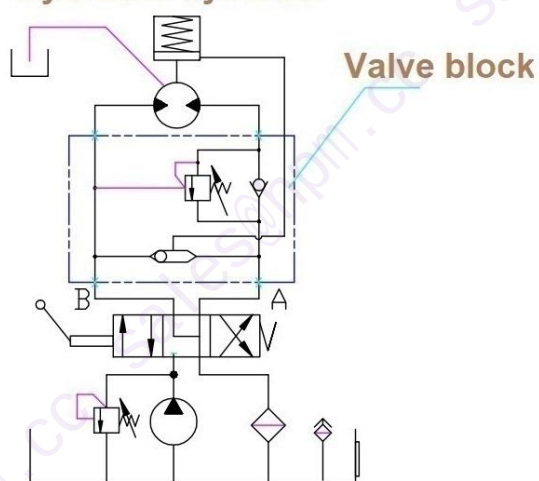
20KN/2 ton

W 20-243-407- OMS250-EC

Model (With clutch Built-in)	The 1st layer rope		Static braking torque (N.m)	Working pressure (MPa)	Oil (L/min)	Rope diameter (mm)	Layer	rope capacity (m)	Hydraulic motor	Planetary reducer ratio
	Rope Pull (KN)	Rope speed (m/min)								
W20-243-407- OMS250-EC	20	36	970	17.0	75	12	1st	18.8	BMS-250	i=5
							2nd	39.0		
							3rd	64.0		
							4th	85		



Hydraulic symbols



Shelf shape type: E

Oil port A in: lifting up;
Oil port B in: put down

Model description	W	1	2	3	4	5	6
	Winch	Rope pull	Drum diameter	Winch length (without motor)	Hydraulic motor type	Shelf shape type	With clutch (Built inside drum)
		20: 20 KN	243	407	OMS/BMS-250	E	C