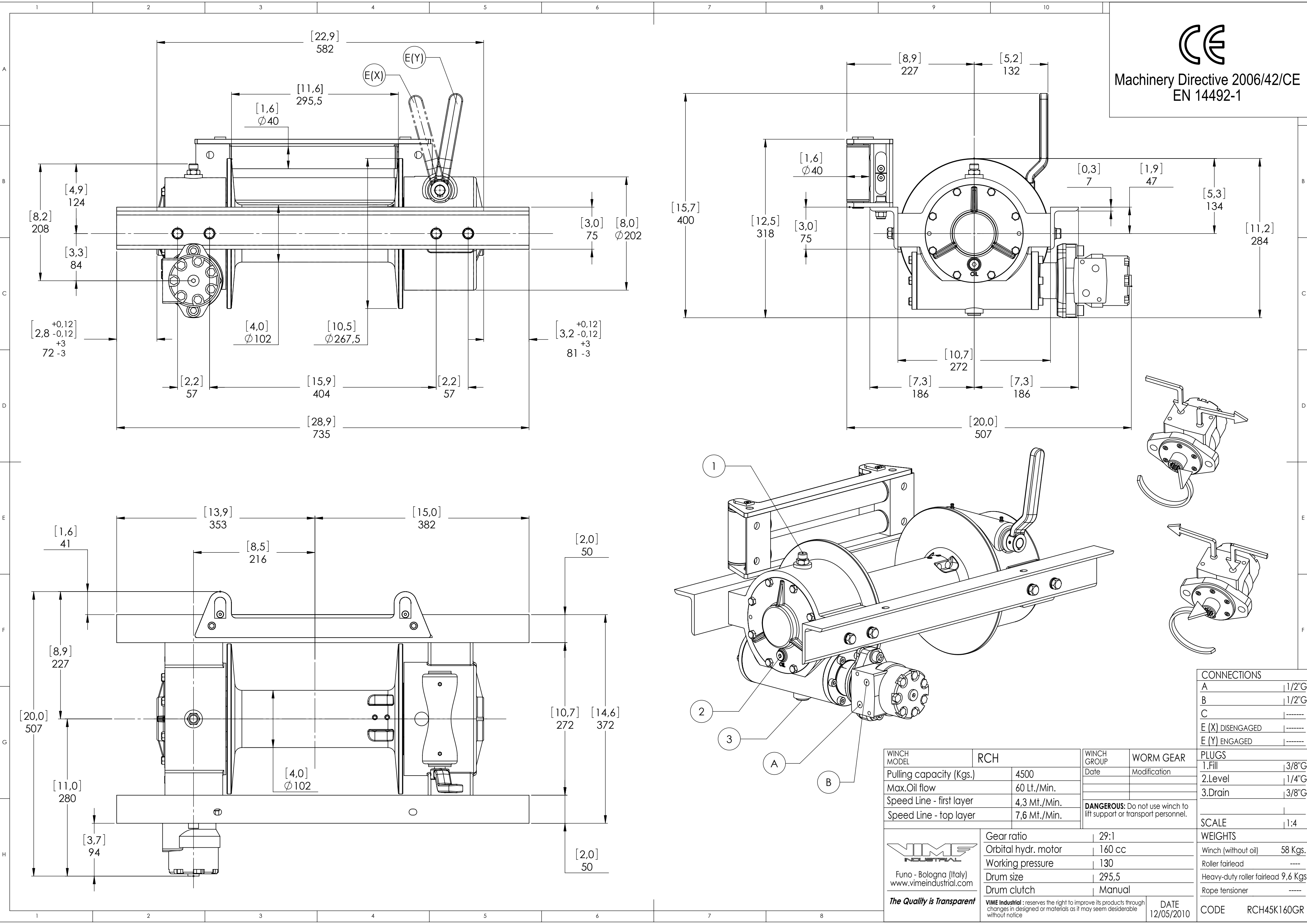
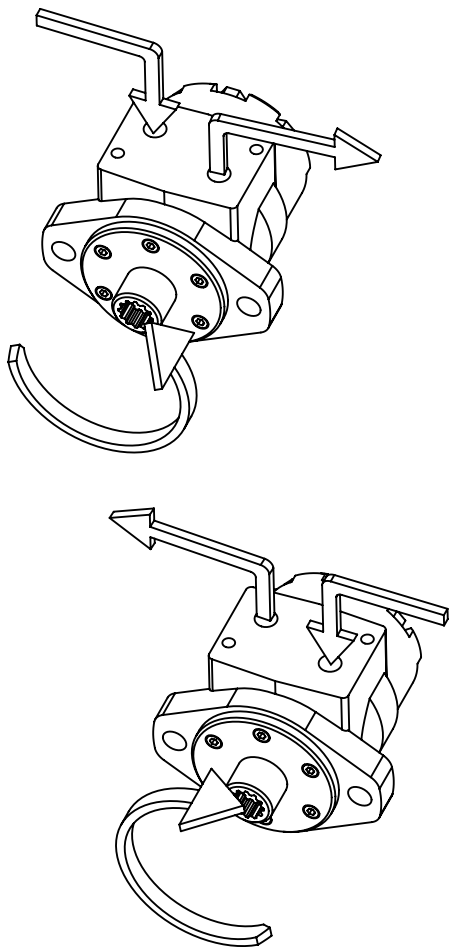




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CONNECTIONS	
A	1/2"G
B	1/2"G
C	-----
E (X) DISENGAGED	-----
E (Y) ENGAGED	-----

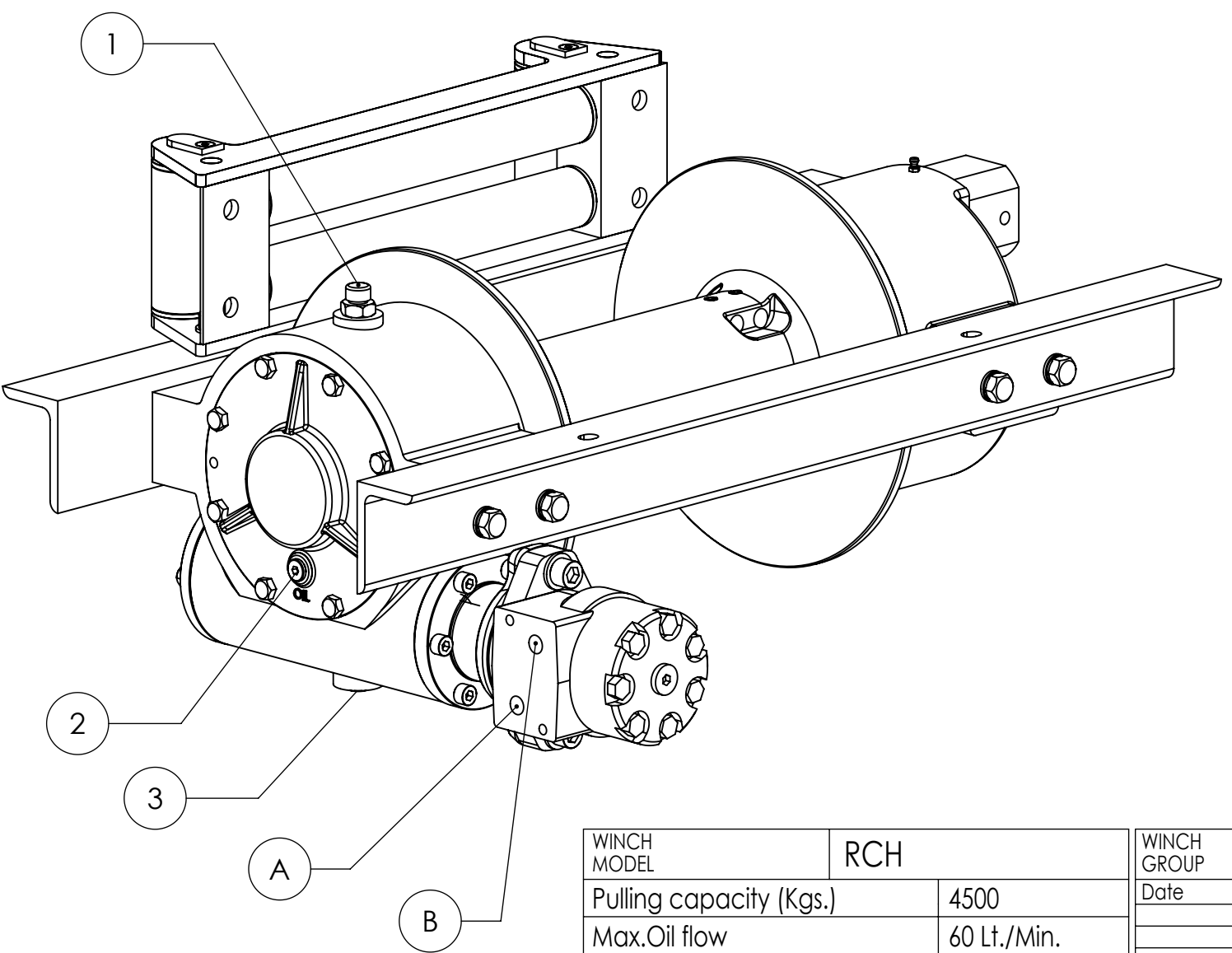
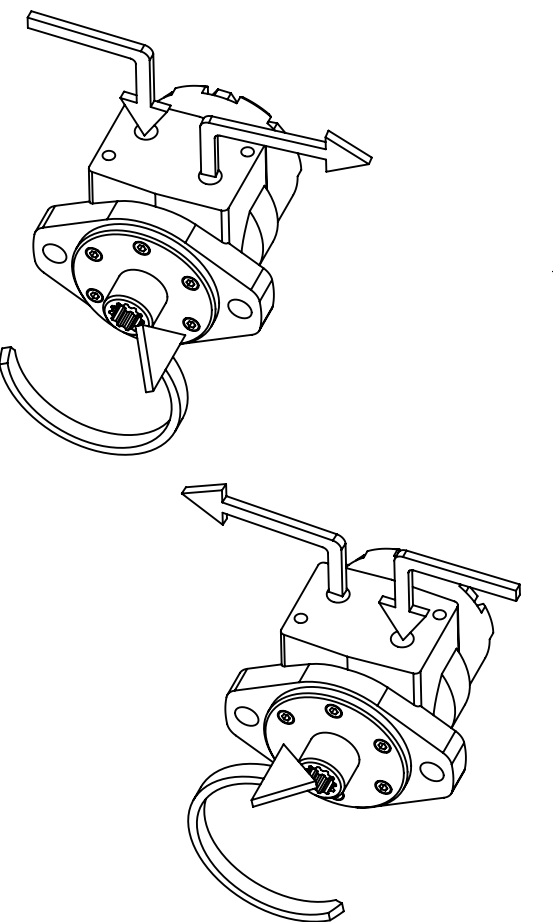
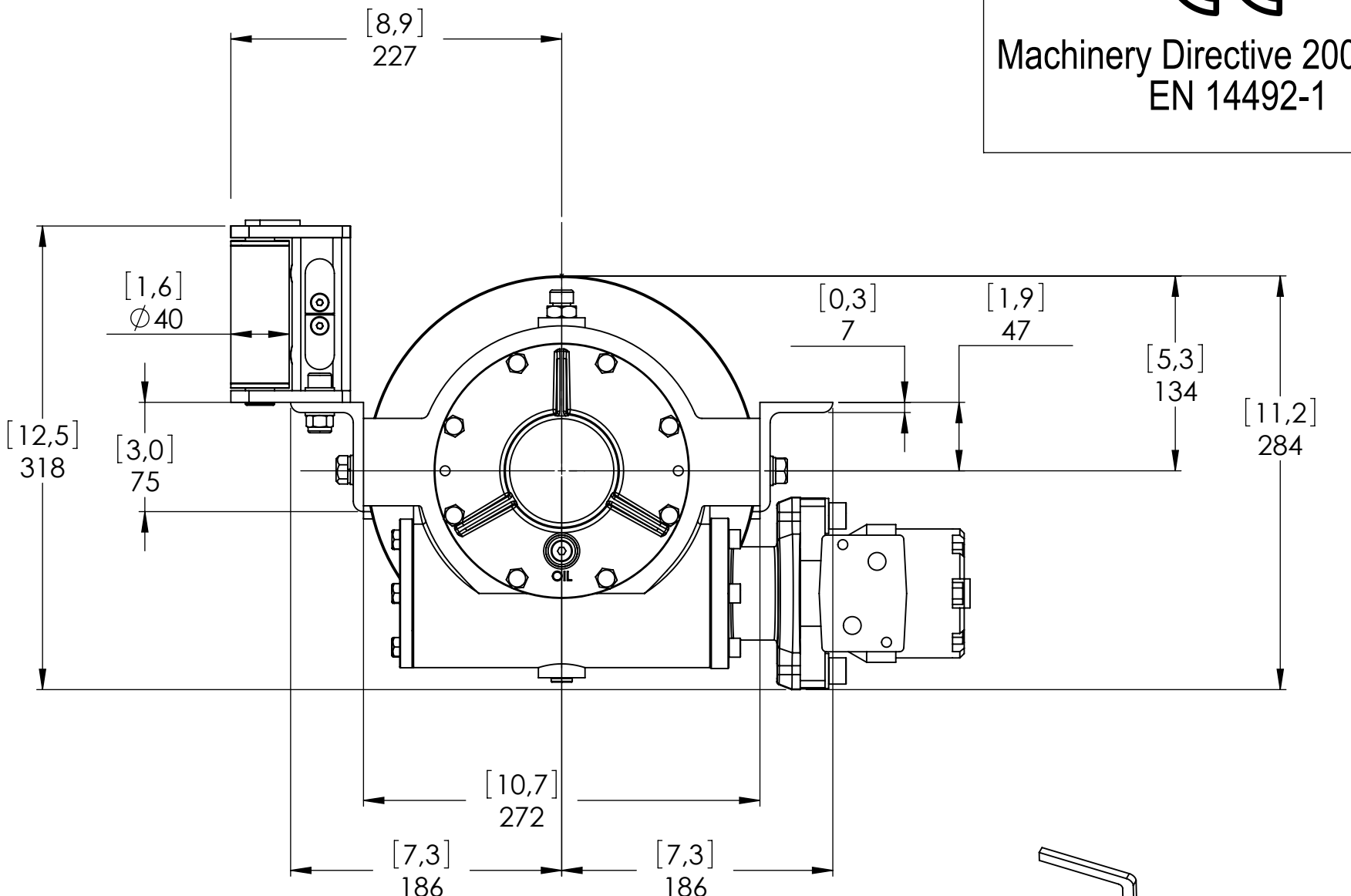
PLUGS	
1.Fill	3/8"G
2.Level	1/4"G
3.Drain	3/8"G

SCALE	1:4
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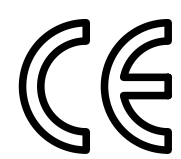
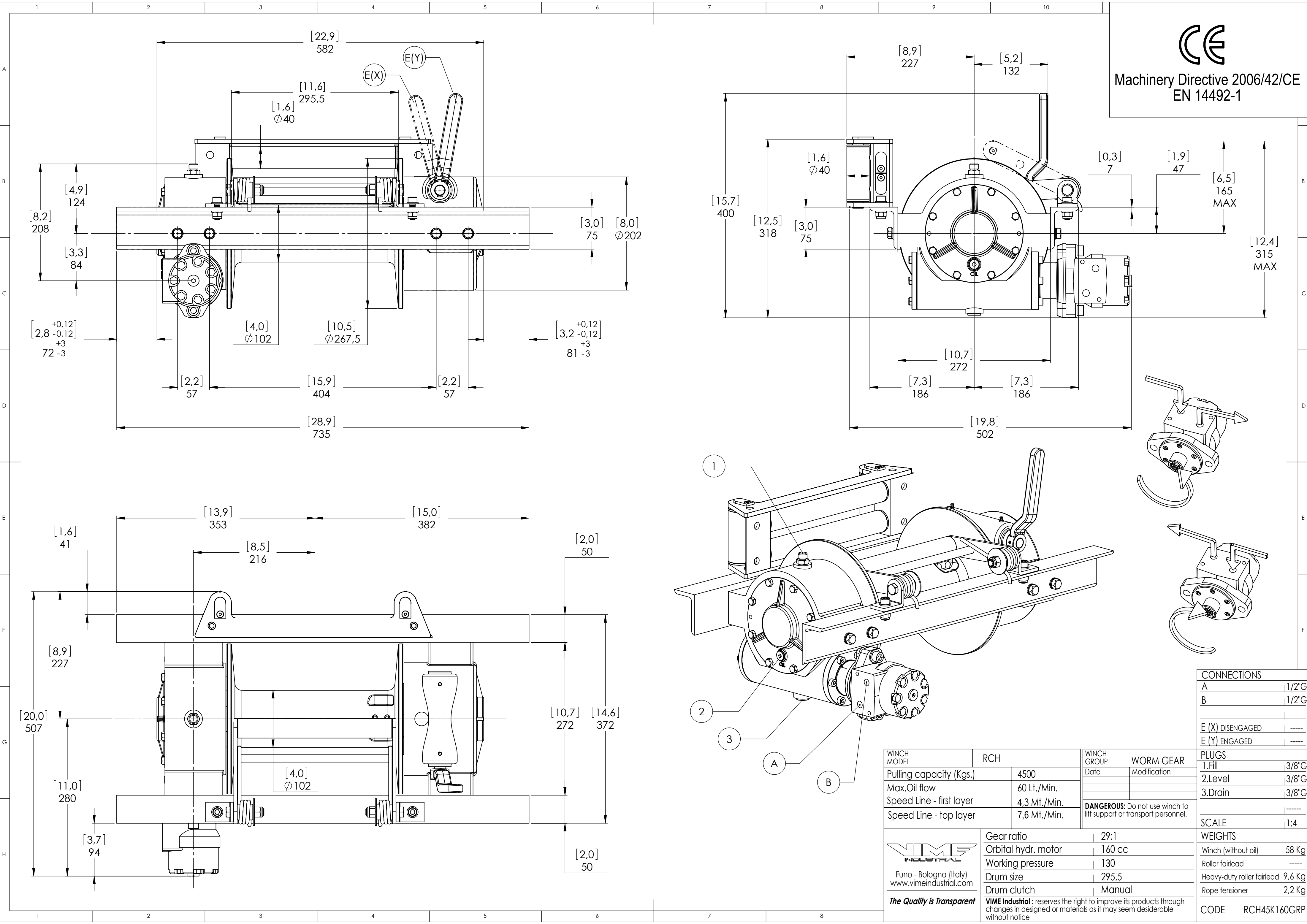
WEIGHTS	
Winch (without oil)	58 Kgs.
Roller fairlead	----
Heavy-duty roller fairlead 9,6 Kgs.	----
Rope tensioner	----

CODE	RCH45K160GR
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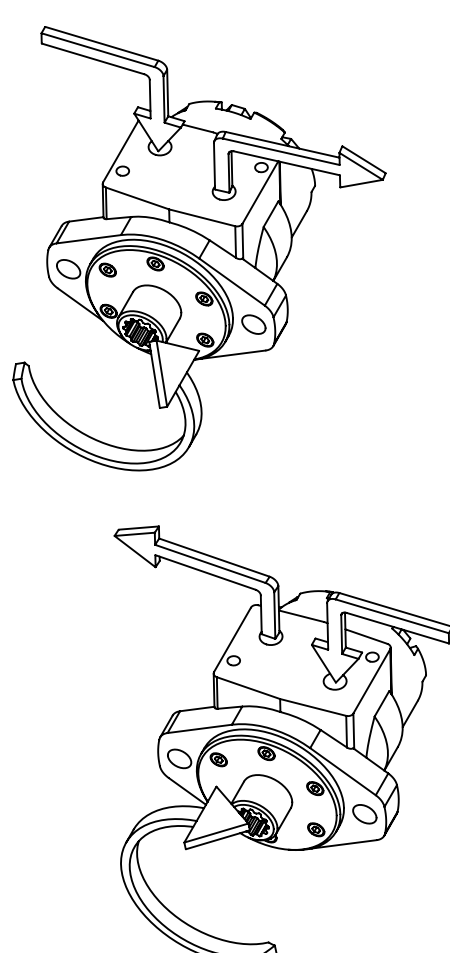
WINCH MODEL		RCH		WINCH GROUP	WORM GEAR
Pulling capacity (Kgs.)		4500		Date	Modification
Max.Oil flow		60 Lt./Min.			
Speed Line - first layer		4,3 Mt./Min.		DANGEROUS: Do not use winch to lift support or transport personnel.	
Speed Line - top layer		7,6 Mt./Min.			
 Funo - Bologna (Italy) www.vimeindustrial.com The Quality is Transparent		Gear ratio		29:1	
		Orbital hydr. motor		160 cc	
		Working pressure		130	
		Drum size		295,5	
		Drum clutch		Manual	
		VIME Industrial : reserves the right to improve its products through changes in designed or materials as it may seem desirable without notice			
		DATE 12/05/2010			



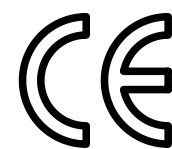
WINCH MODEL		RCH		WINCH GROUP		WORM GEAR		PLUGS	
Pulling capacity (Kgs.)		4500		Date		Modification		1.Fill 3/8" G	
Max.Oil flow		60 Lt./Min.						2.Level 1/4" G	
Speed Line - first layer		4,3 Mt./Min.						3.Drain 3/8" G	
Speed Line - top layer		7,6 Mt./Min.		DANGEROUS: Do not use winch to lift support or transport personnel.					
								SCALE 1:4	
 Funo - Bologna (Italy) www.vimeindustrial.com The Quality is Transparent		Gear ratio		29:1		WEIGHTS			
		Orbital hydr. motor		160 cc		Winch (without oil)		58 Kgs.	
		Working pressure		130		Roller fairlead		----	
		Drum size		295,5		Heavy-duty roller fairlead		9,6 Kgs	
		Drum clutch		Air-operated		Rope tentioner		----	
		VIME Industrial : reserves the right to improve its products through changes in designed or materials as it may seem desiderable without notice				DATE			
						12/05/2010		CODE RCH45K1 60AGR	



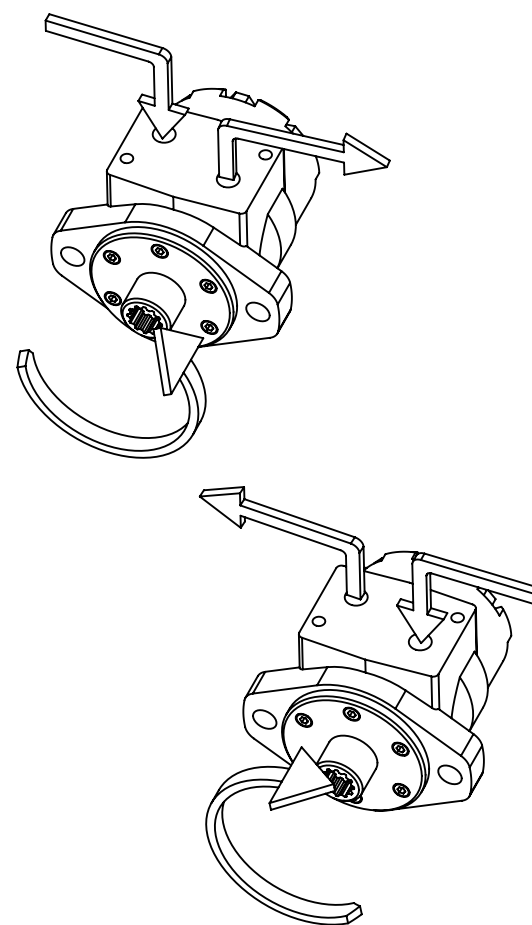
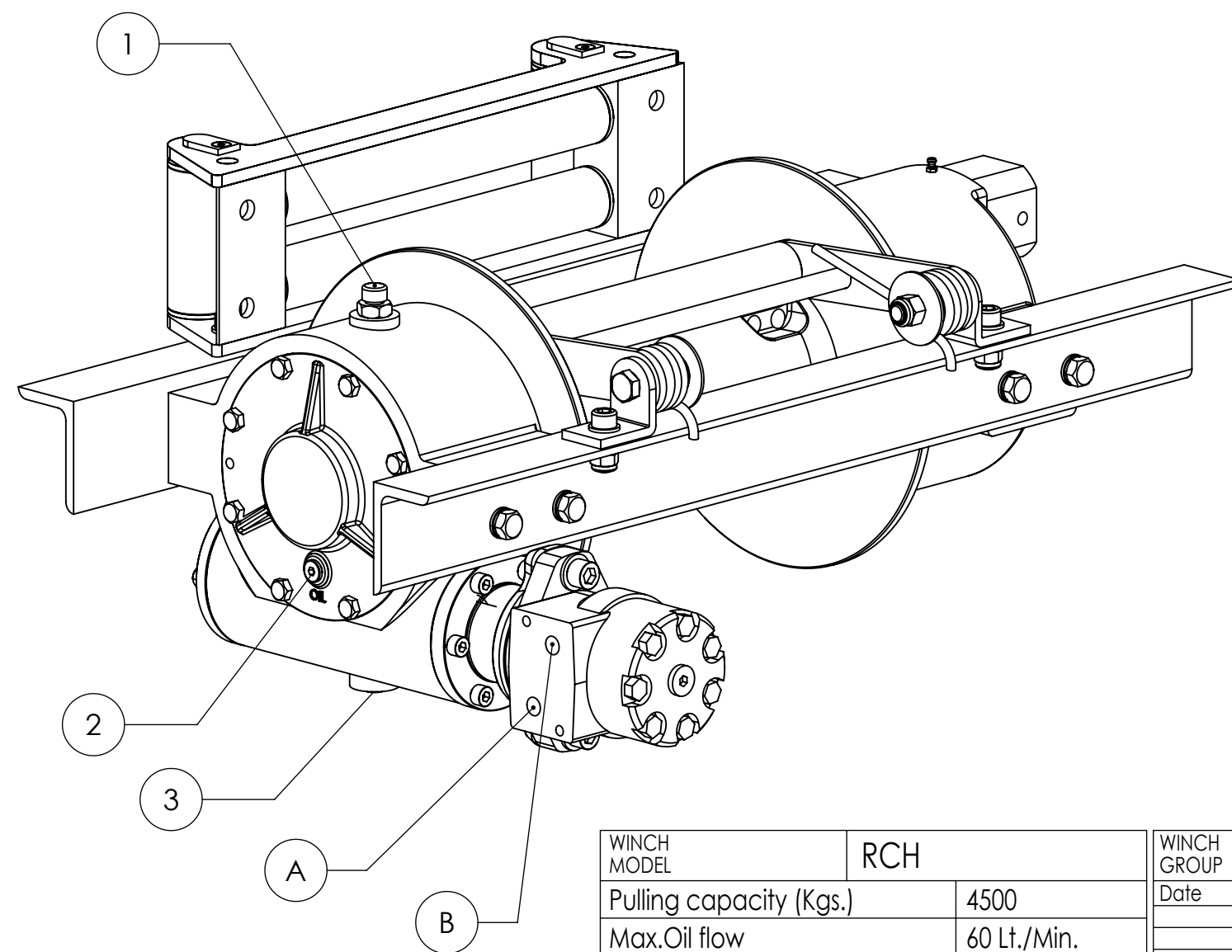
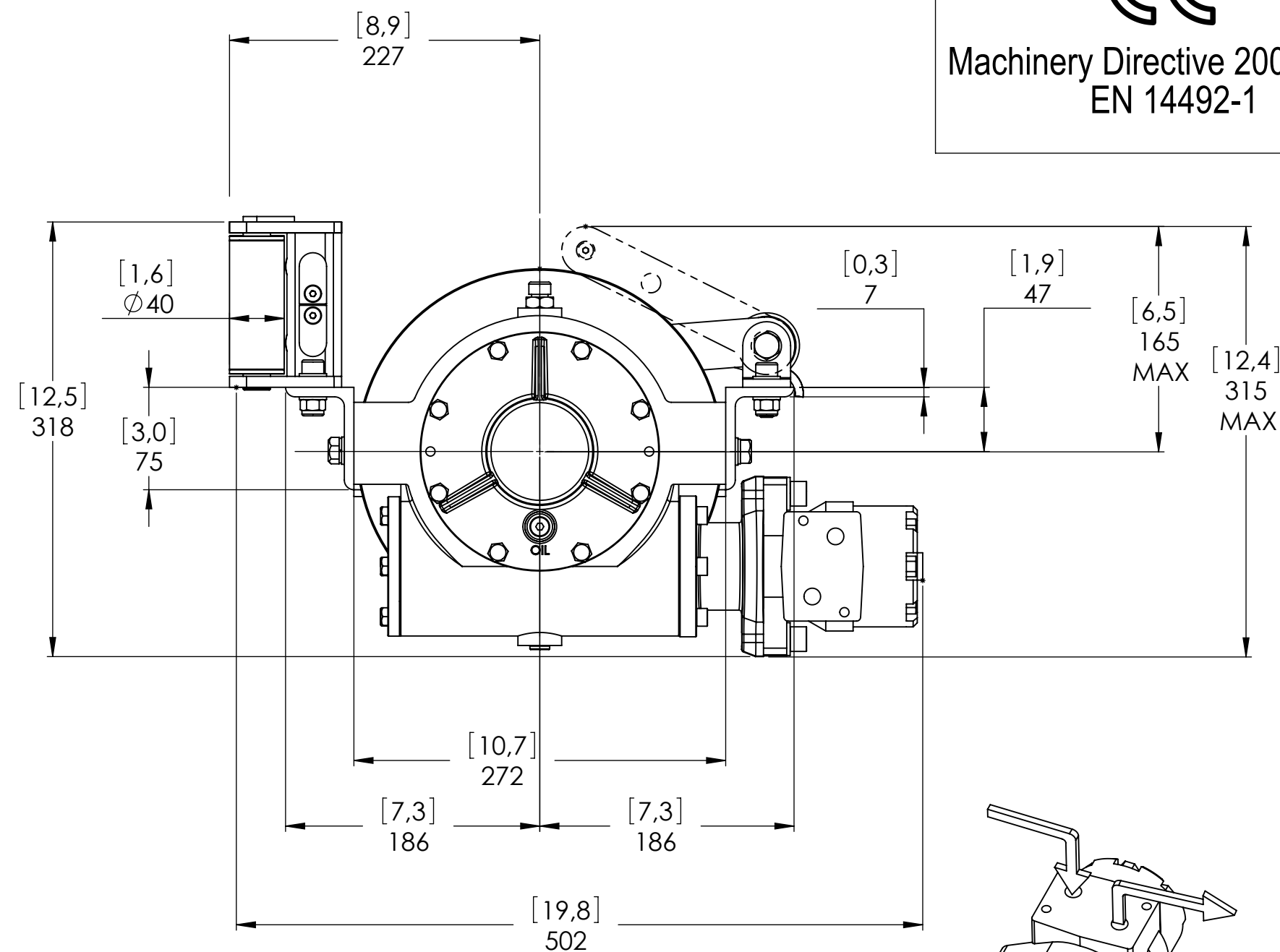
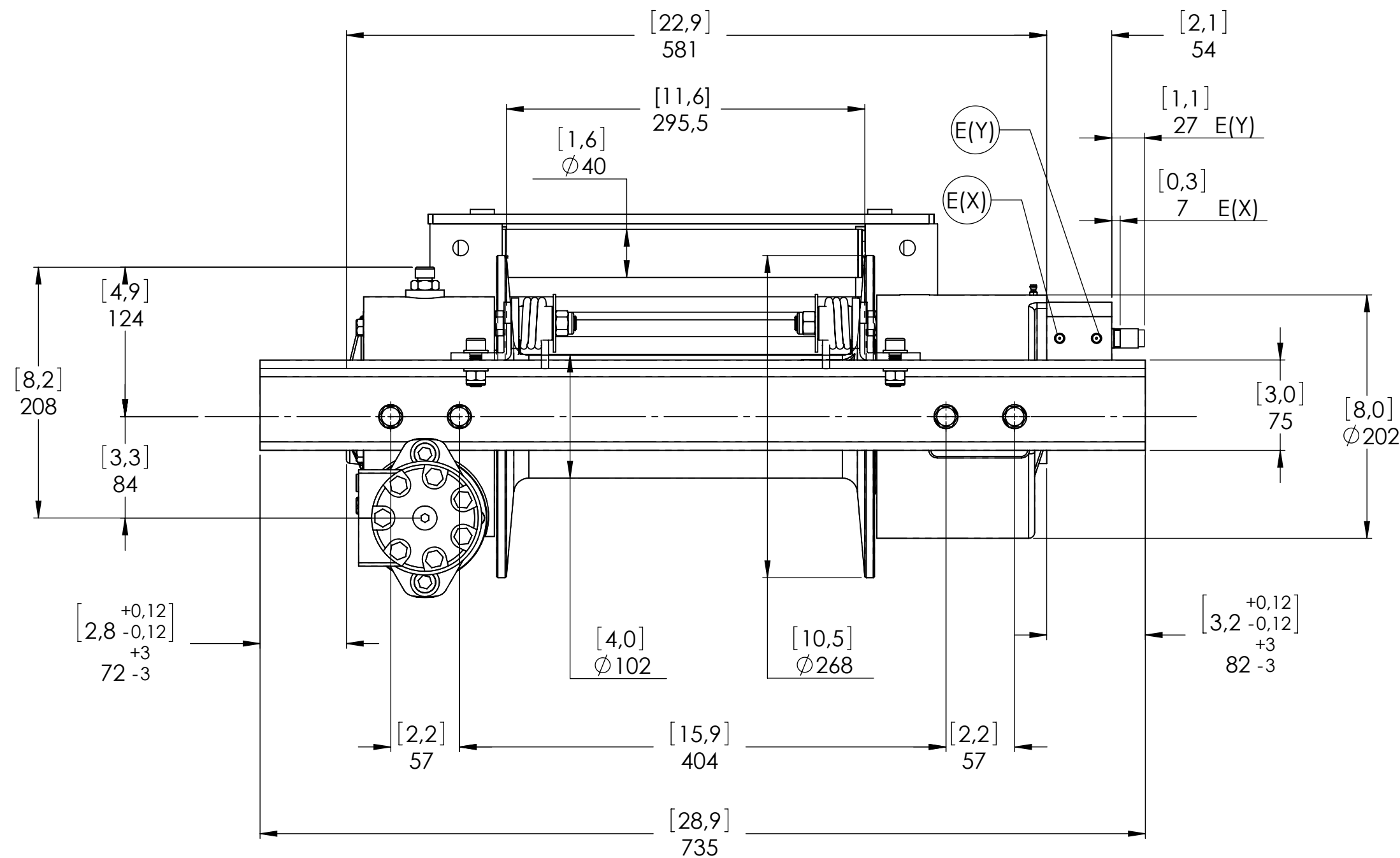
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WINCH MODEL		RCH		WINCH GROUP		WORM GEAR		PLUGS	
Pulling capacity (Kgs.)		4500		Date		Modification		1.Fill 3/8"G	
Max.Oil flow		60 Lt./Min.						2.Level 3/8"G	
Speed Line - first layer		4,3 Mt./Min.						3.Drain 3/8"G	
Speed Line - top layer		7,6 Mt./Min.							
				DANGEROUS: Do not use winch to lift support or transport personnel.					
								SCALE 1:4	
 Funo - Bologna (Italy) www.vimeindustrial.com The Quality is Transparent		Gear ratio		29:1				WEIGHTS	
		Orbital hydr. motor		160 cc				Winch (without oil) 58 Kg	
		Working pressure		130				Roller fairlead ----	
		Drum size		295,5				Heavy-duty roller fairlead 9,6 Kg	
		Drum clutch		Manual				Rope tensioner 2,2 Kg	
		VIME Industrial : reserves the right to improve its products through changes in designed or materials as it may seem desiderable without notice						CODE RCH45K160GRP	



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WINCH MODEL		RCH		WINCH GROUP		WORM GEAR		PLUGS	
				Date		Modification		1.Fill	
Pulling capacity (Kgs.)		4500						3/8" G	
Max.Oil flow		60 Lt./Min.						2.Level	
Speed Line - first layer		4,3 Mt./Min.						1/4" G	
Speed Line - top layer		7,6 Mt./Min.						3.Drain	
								3/8" G	

1.4.12 RCH 4500 WINCH TECHNICAL DATA

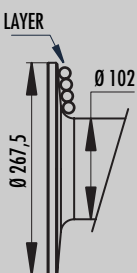
RATIO	WIRE ROPE SIZE [MM]	LAYER	LINE PULL
			[KGS.]
1/29	11*	1	4.500
		2	3.770
		3	3.240
		4	2.840
		5	2.530

OIL SUPPLY [LT/MIN]	DRUM REVOLUTION [RPM]	LINE SPEED [MT/MIN]				
		1	2	3	4	5
30	7,3	1,8	2,2	2,6	2,9	3,3
40	9,7	2,8	3,4	4,0	4,5	5,1
60	14,9	4,3	5,1	5,9	6,8	7,6

WIRE ROPE MINIMUM BREAKING LOAD EN 14492-1 [KG]	9.000
---	-------

LAYER	DRUM DIAMETER		WIRE ROPE ON LAYER		WIRE ROPE QUANTITY	
	Ø MM		[MT]		[MT]	
	Ø MM		11 MM	00 MM	11 MM	00 MM
8	267	-	21,7	-	123,5	-
7	245	-	19,9	-	101,8	-
6	223	-	18,1	-	81,9	-
5	201	-	16,3	-	63,8	-
4	179	-	14,5	-	47,5	-
3	157	-	12,8	-	32,9	-
2	135	-	11,0	-	20,2	-
1	113	-	9,2	-	9,2	-
0	102	-	-	-	-	-

DRUM SIZE RCH = 293,5 MM



WIRE ROPE CAPACITY [MT]		MAX. WIRE ROPE CAPACITY EN 14492-1 [MT]		MAX. WIRE ROPE CAPACITY [MT]	
11 MM	00 MM	11 MM	00 MM	11 MM	00 MM
30	00	81**	00	123	00

DESCRIPTION	WEIGHT
	[KGS.]
WINCH (WITHOUT CABLE)	53
ACCESSORY : ROLLERFAILREAD	9,6
ACCESSORY : CABLE TENSIONER	2,2

NOTE

Specifications are subject to change without notification and without incurring obligation. Specifications in this publication are theoretical and may vary depending on hydraulic system, environment, etc.

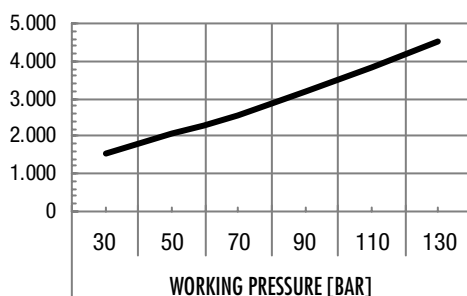
NOTE

*Wire rope size must be respected. Recommended wire rope min. tensile strength 2160 N/mm².
Wire rope minimum breaking load must be at least double of winch max. pulling capacity.

** Max. wire rope capacity according with EN 14492-1.

1.4.13 RCH 4500 WINCH PERFORMANCE CHARTS AT THE 1ST LAYER

LINE PULL-FIRST LAYER [KGS]



LINE SPEED [MT/MIN]

