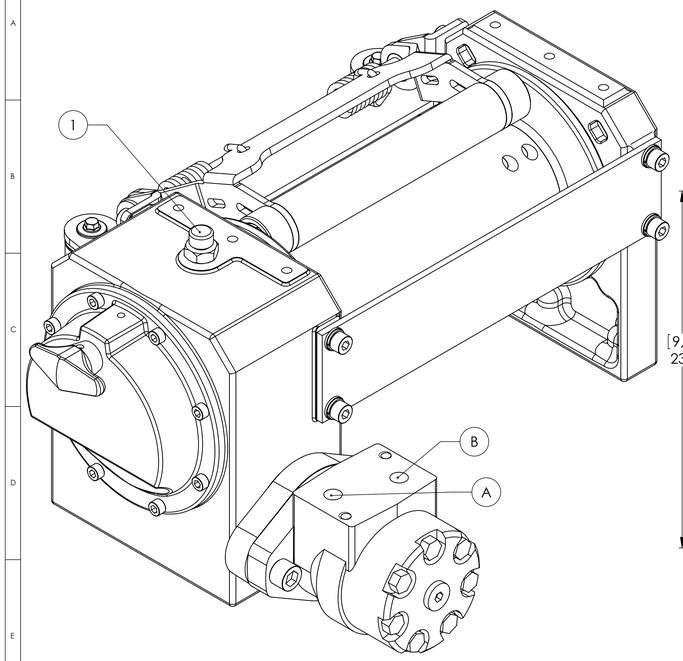
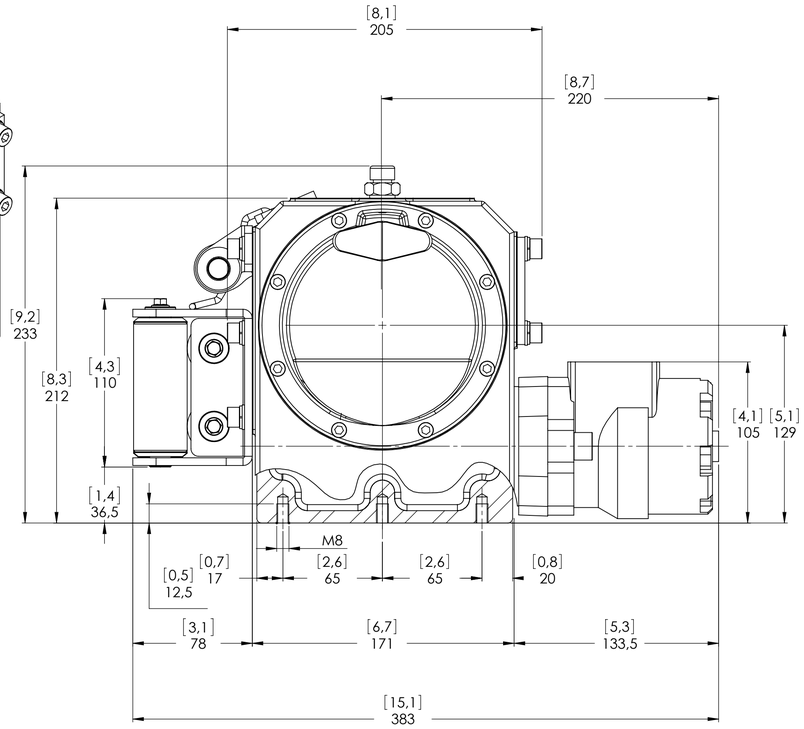
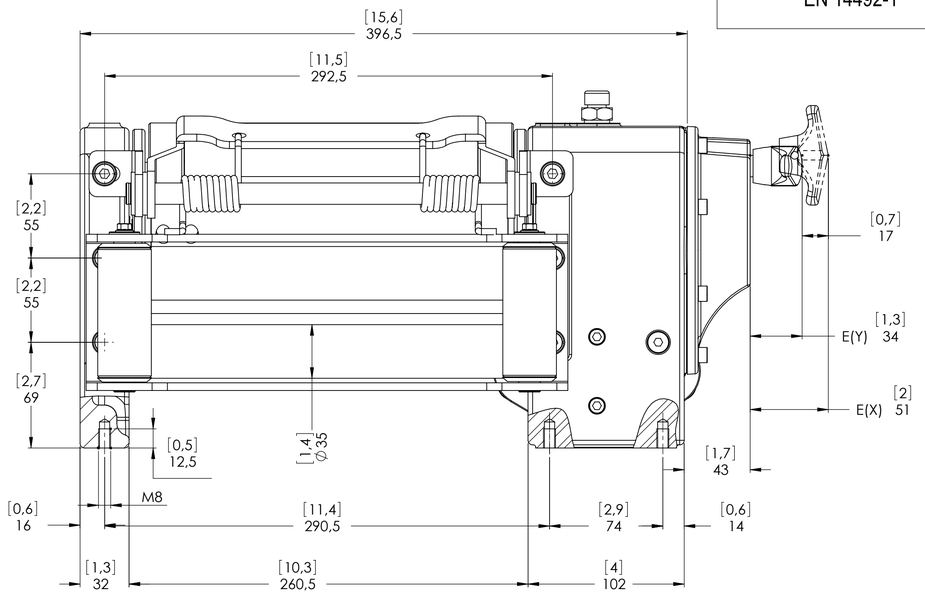
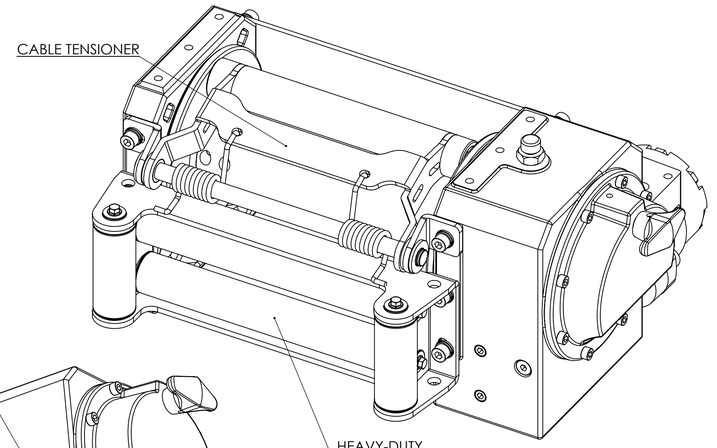
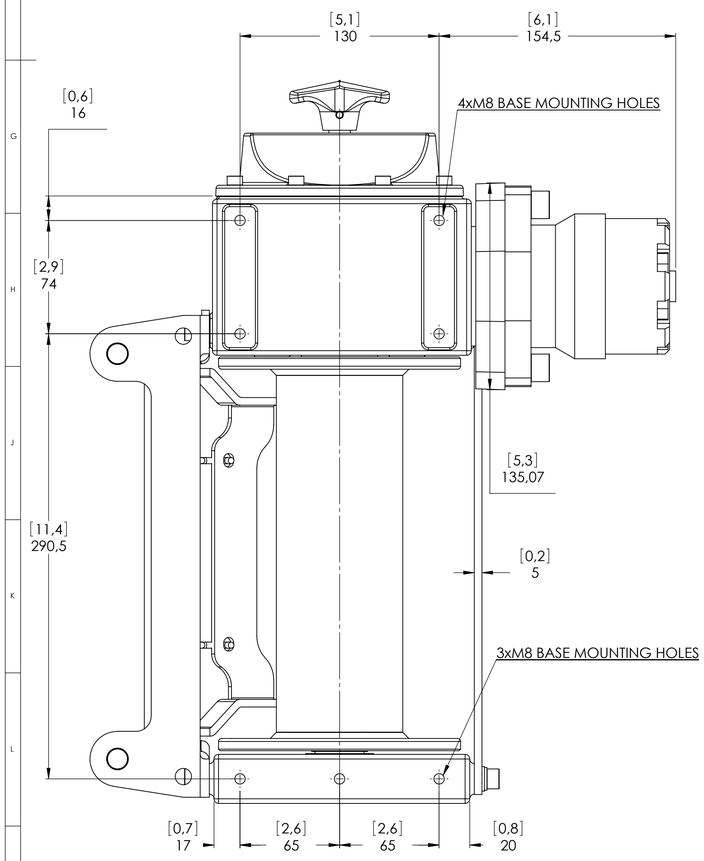
Machinery Directive 2006/42/CE
EN 14492-1

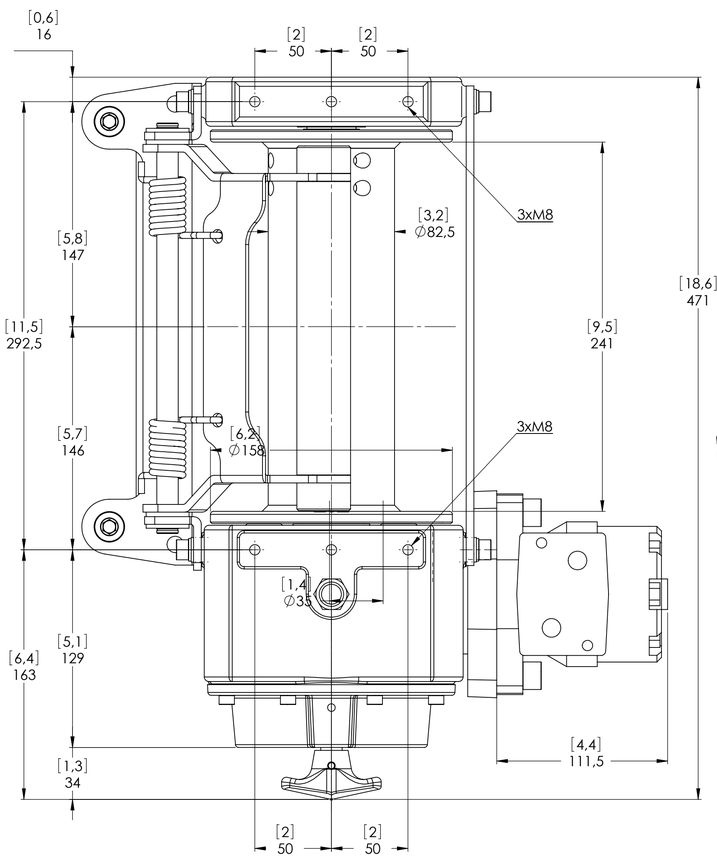


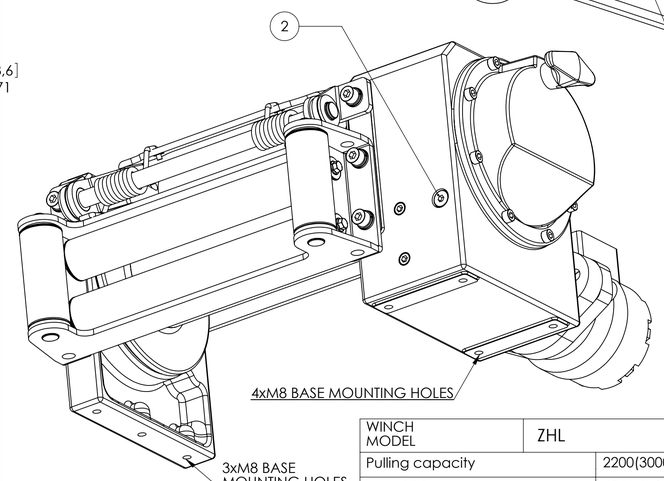












CONNECTIONS	
A	1/2"G
B	1/2"G
C	-----
E (X) DISENGAGED	-----
E (Y) ENGAGED	-----

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

WINCH MODEL	ZHL
Pulling capacity	2200(3000) Kg
Max.Oil flow	40 Lt./Min.
Speed Line - first layer	5,5(4,2) Mt./Min.
Speed Line - top layer	9,4(7,5) Mt./Min.

WINCH GROUP	WORM GEAR
Date	Modification

DANGEROUS: Do not use winch to lift support or transport personnel.

Gear ratio	1/38 (1/50)
Orbital hydr. motor	50 cc
Working pressure	130 bar
Drum size	240 mm
Drum clutch	Manual

WEIGHTS	
Winch (without oil)	29 Kg
Heavy-duty Roller fairlead	4,8 Kg
Rope tensioner	2,2 Kg

SCALE 1:2

Funo - Bologna (Italy)
www.vimeindustrial.com

The Quality is Transparent

VIME Industrial : reserves the right to improve its products through changes in designed or materials as it may seem desiderablewithout notice

DATE 16/03/2011

CODE ZHL22K50GRP
ZHL30K50GRP

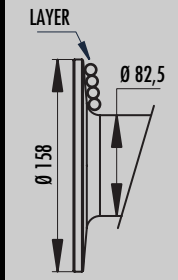
1.4.3 ZHL 2200 WINCH TECHNICAL DATA

RATIO	WIRE ROPE SIZE [MM]	LAYER	LINE PULL [KG]
38:1	8*	1	2.200
		2	1.870
		3	1.625
		4	1.440
		5	1.290

OIL SUPPLY [LT/MIN]	DRUM REVOLUTION [RPM]	LINE SPEED [MT/MIN]				
		1	2	3	4	5
20	8,0	2,3	2,7	3,1	3,5	3,9
30	14,5	4,1	4,8	5,6	6,3	7,0
40	19,3	5,5	6,4	7,4	8,4	9,4

WIRE ROPE MINIMUM BREAKING LOAD EN 14492-1 [KG]	4.400

DRUM SIZE ZHL= 240 MM



LAYER	DRUM DIAMETER [MM]		WIRE ROPE ON LAYER [MT]		WIRE ROPE QUANTITY [MT]	
	00 MM	8 MM	00 MM	8 MM	00 MM	8 MM
5	-	154,5	-	14,1	-	55,8
4	-	138,5	-	12,6	-	41,7
3	-	122,5	-	11,2	-	29,1
2	-	106,5	-	9,7	-	17,9
1	-	90,5	-	8,2	-	8,2
0	-	82,5	-	-	-	-

WIRE ROPE CAPACITY [MT]		MAX. WIRE ROPE CAPACITY EN 14492-1 [MT]		MAX. WIRE ROPE CAPACITY [MT]	
00 MM	8 MM	00 MM	8 MM	00 MM	8 MM
-	25	-	29**	-	55

DESCRIPTION	WEIGHTS [KGS.]
WINCH (WITHOUT CABLE)	29
ACCESSORY : ROLLERFAILREAD	3,5
ACCESSORY : CABLE TENSIONER	2,2

NOTE

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

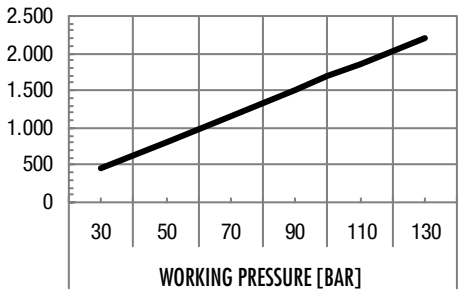
NOTE

*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.

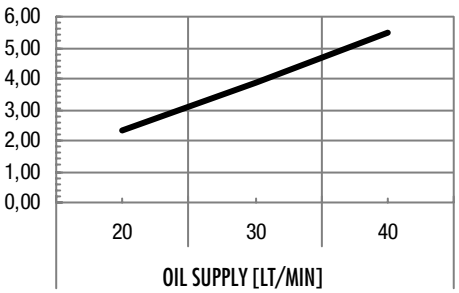
** Max. wire rope capacity according with EN 14492-1.

1.4.4 ZHL 2200 WINCH PERFORMANCE CHARTS AT THE 1ST LAYER

LINE PULL-FIRST LAYER [KG]



LINE SPEED [M/MIN]



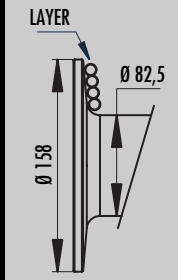
1.4.7 ZHL 3000 WINCH TECHNICAL DATA

RATIO	WIRE ROPE SIZE [MM]	LAYER	LINE PULL [KG]
50:1	9*	1	3.000
		2	2.510
		3	2.155
		4	1.890
		5	1.680

OIL SUPPLY [LT/MIN]	DRUM REVOLUTION [RPM]	LINE SPEED [MT/MIN]				
		1	2	3	4	5
20	6,1	1,8	2,1	2,4	2,8	3,1
30	10,9	3,2	3,8	4,4	5,0	5,6
40	14,7	4,2	5,0	5,9	6,7	7,5

WIRE ROPE MINIMUM BREAKING LOAD EN 14492-1 [KG]	6.000

DRUM SIZE ZHL = 240 MM



LAYER	DRUM DIAMETER [MM]		WIRE ROPE ON LAYER [MT]		WIRE ROPE QUANTITY [MT]	
	00 MM	9 MM	00 MM	9 MM	00 MM	9 MM
5	-	163,5	-	13,2	-	51,4
4	-	145,5	-	11,7	-	38,2
3	-	127,5	-	10,3	-	26,5
2	-	109,5	-	8,8	-	16,2
1	-	91,5	-	7,4	-	7,4
0	-	82,5	-	-	-	-

WIRE ROPE CAPACITY [MT]		MAX. WIRE ROPE CAPACITY EN 14492-1 [MT]		MAX. WIRE ROPE CAPACITY [MT]	
00 MM	9 MM	00 MM	9 MM	00 MM	9 MM
-	25	-	26**	-	38

DESCRIPTION	WEIGHTS [KGS.]
WINCH (WITHOUT CABLE)	29
ACCESSORY : ROLLERFAILREAD	3,5
ACCESSORY : CABLE TENSIONER	2,2

NOTE

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

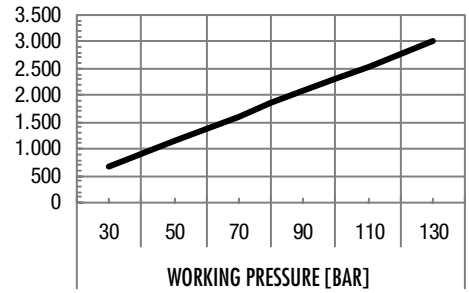
NOTE

*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.

1.4.8 ZHL 3000 WINCH PERFORMANCE CHARTS AT THE 1ST LAYER

LINE PULL-FIRST LAYER [KG]



LINE SPEED [M/MIN]