

HYDRONIC VALVE CHOICE

	car nominal speed (m/s)	type
HYDRONIC 300	< 0,63	standard
HYDRONIC 300S	$0,63 < v \leq 1$	with inspection drive
C-LRV	< 1	electronic valve
HYDRONIC ESC	<1	power unit with inverter

TANK TYPE

- All the oil must fit inside the tank when the car is at the bottom (V max)
- The motor must be completely submerged with the car at the top floor(V min)

Always check that:

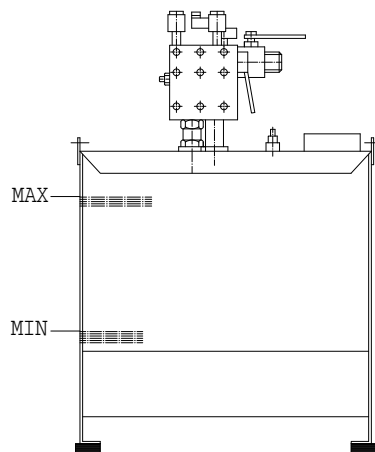
$$V_{\min} + V_2 < V (V_{\max})$$

- V = oil in the tank; must be $\leq V_{\max}$
- V_2 = oil volume required by jack stroke, jack cylinder and hose

See the diagram to find the quantity of oil needed, for the size and the stroke of jack.

Note: 1¼", L = 10 mt hose (8 liters) has been considered:

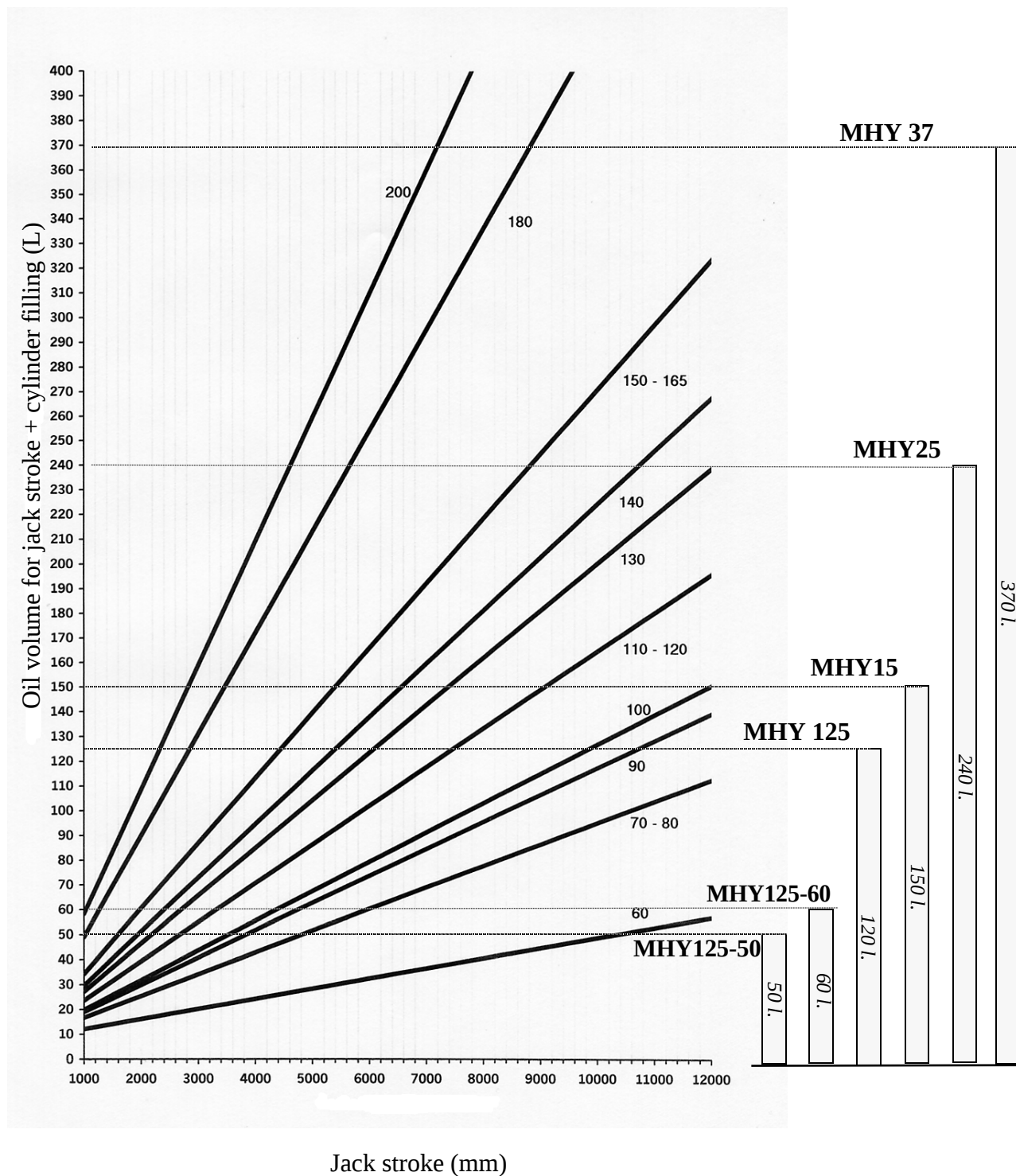
Tank type	Oil volume	
	V _{min} (litres)	V _{max} (litres)
MHY125	55	180
MHY125-50	55	105
MHY125-60	55	115
MHY15	80	230
MHY25	100	340
MHY37	280	650



Use the diagram according to the jack diameter selected.

The oil volume needed can be found on the y axis of the diagram, with the jack stroke and size as parameters.

Tank selection chart



POWER UNIT CHOICE

In order to choose the right power unit size, check the required pump flow [liters/min] the motor power [kW] or the nominal current of inverter [A] and oil tank capacity in the tables below.

HYDRONIC H300

MOTOR POWER [kW]	PUMP FLOW [l/min]	POWER UNIT TANK
$4,4 \leq \text{kW} \leq 16$	$50 \leq \text{l/min} \leq 172$	MHY125
$4,4 \leq \text{kW} \leq 16$	$50 \leq \text{l/min} \leq 172$	MHY125-50
$4,4 \leq \text{kW} \leq 16$	$50 \leq \text{l/min} \leq 172$	MHY125-60
$9,5 \leq \text{kW} \leq 29$	$50 \leq \text{l/min} \leq 250$	MHY15
$9,5 \leq \text{kW} \leq 29$	$210 \leq \text{l/min} \leq 250$	MHY25
$16 \leq \text{kW} \leq 29$	$210 \leq \text{l/min} \leq 250$	MHY37

HYDRONIC ESC

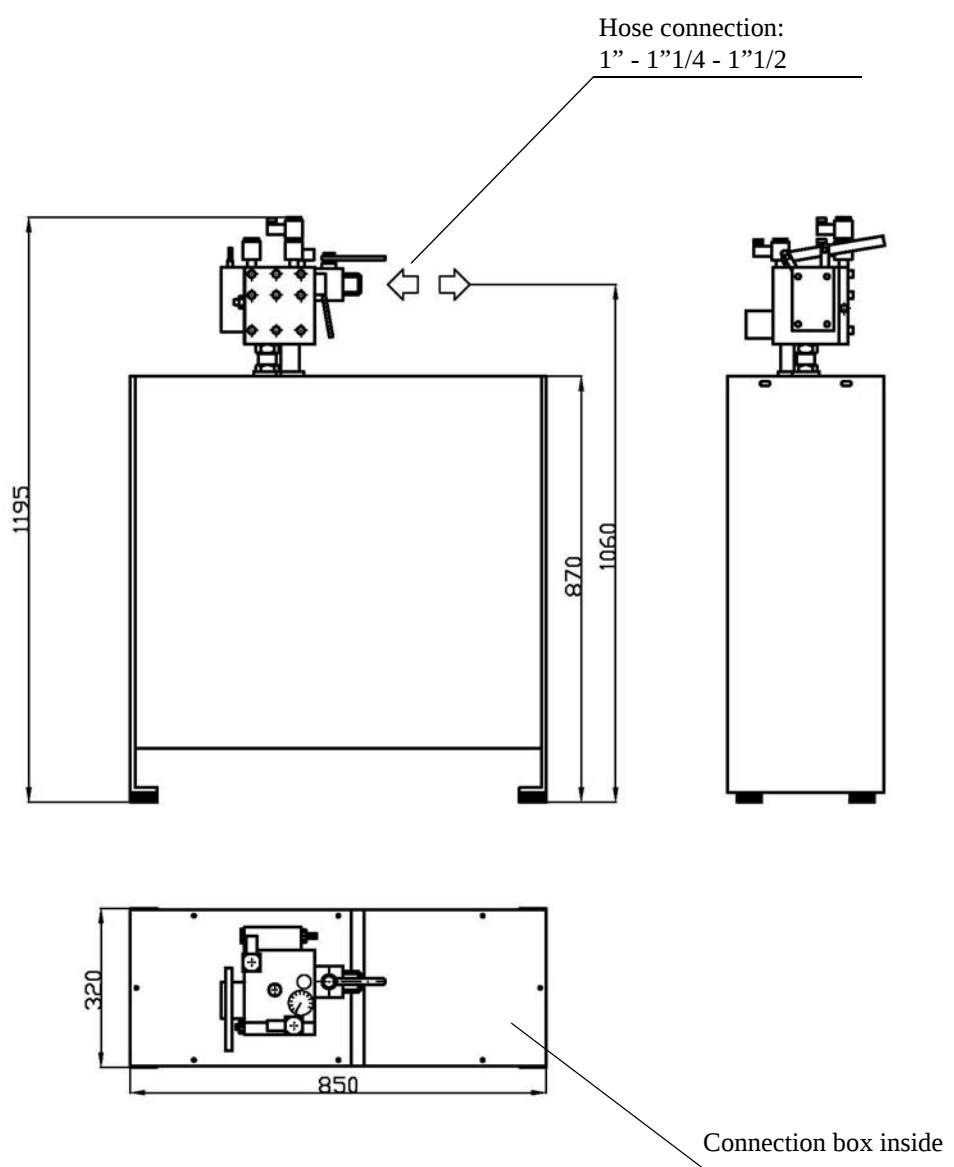
INVERTER SIZE [A]	PUMP FLOW [l/min]	POWER UNIT TANK
$16,5 \leq A \leq 40$	$16,5 \leq \text{l/min} \leq 40$	MHY125
$16,5 \leq A \leq 40$	$16,5 \leq \text{l/min} \leq 40$	MHY125-50
$16,5 \leq A \leq 40$	$16,5 \leq \text{l/min} \leq 40$	MHY125-60
$16,5 \leq A \leq 60$	$50 \leq \text{l/min} \leq 250$	MHY15
$16,5 \leq A \leq 60$	$210 \leq \text{l/min} \leq 250$	MHY25
$16,5 \leq A \leq 60$	$210 \leq \text{l/min} \leq 250$	MHY37

ELECTRONIC VALVE C-LRV

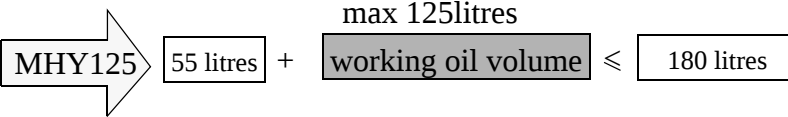
MOTOR POWER [kW]	PUMP FLOW [l/min]	POWER UNIT TANK
$4,4 \leq kW \leq 16$	$50 \leq l/min \leq 250$	MHY125
$4,4 \leq kW \leq 16$	$50 \leq l/min \leq 250$	MHY125-50
$4,4 \leq kW \leq 16$	$50 \leq l/min \leq 250$	MHY125-60
$4,4 \leq kW \leq 29$	$50 \leq l/min \leq 380$	MHY15
$4,4 \leq kW \leq 29$	$50 \leq l/min \leq 500$	MHY25
$4,4 \leq kW \leq 60$	$50 \leq l/min \leq 1000$	MHY37

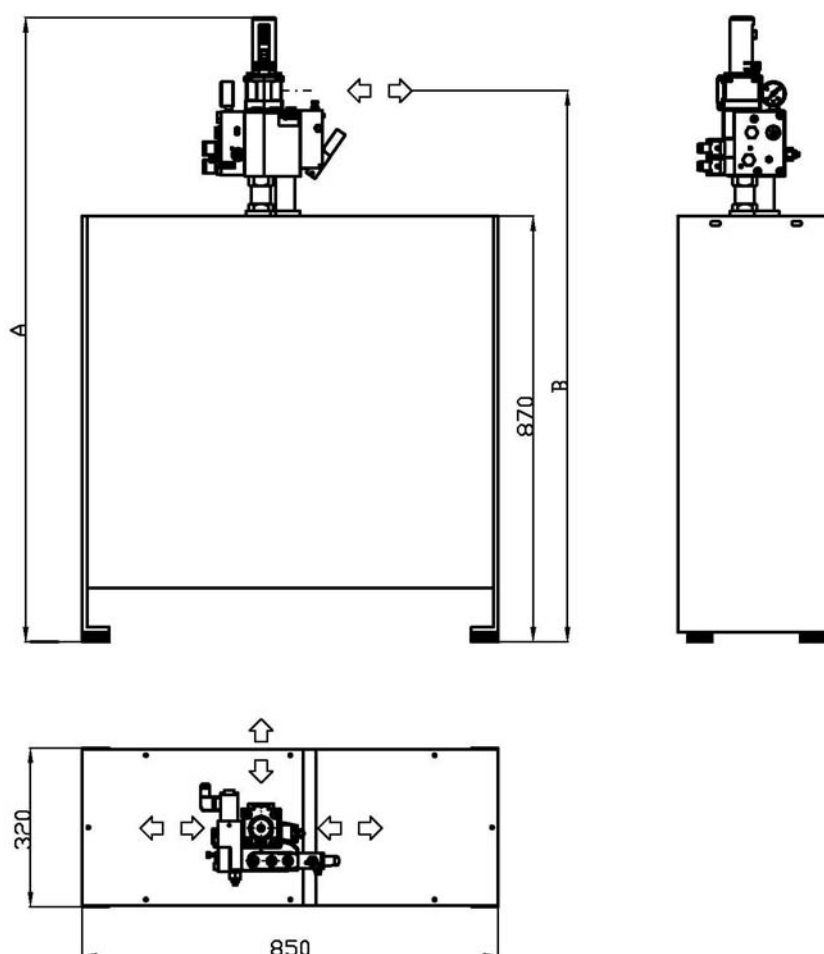
MHY125 HYDRONIC 300 POWER UNIT DATA

MOTOR POWER	PUMP FLOW				
$4,4 \leq kW \leq 16$	$50 \leq l/min \leq 172$	MHY125	55 litres	+	max 125litres working oil volume
					≤ 180 litres



MHY125 WITH C-LRV (ELECTRONIC VALVE) POWER UNIT DATA

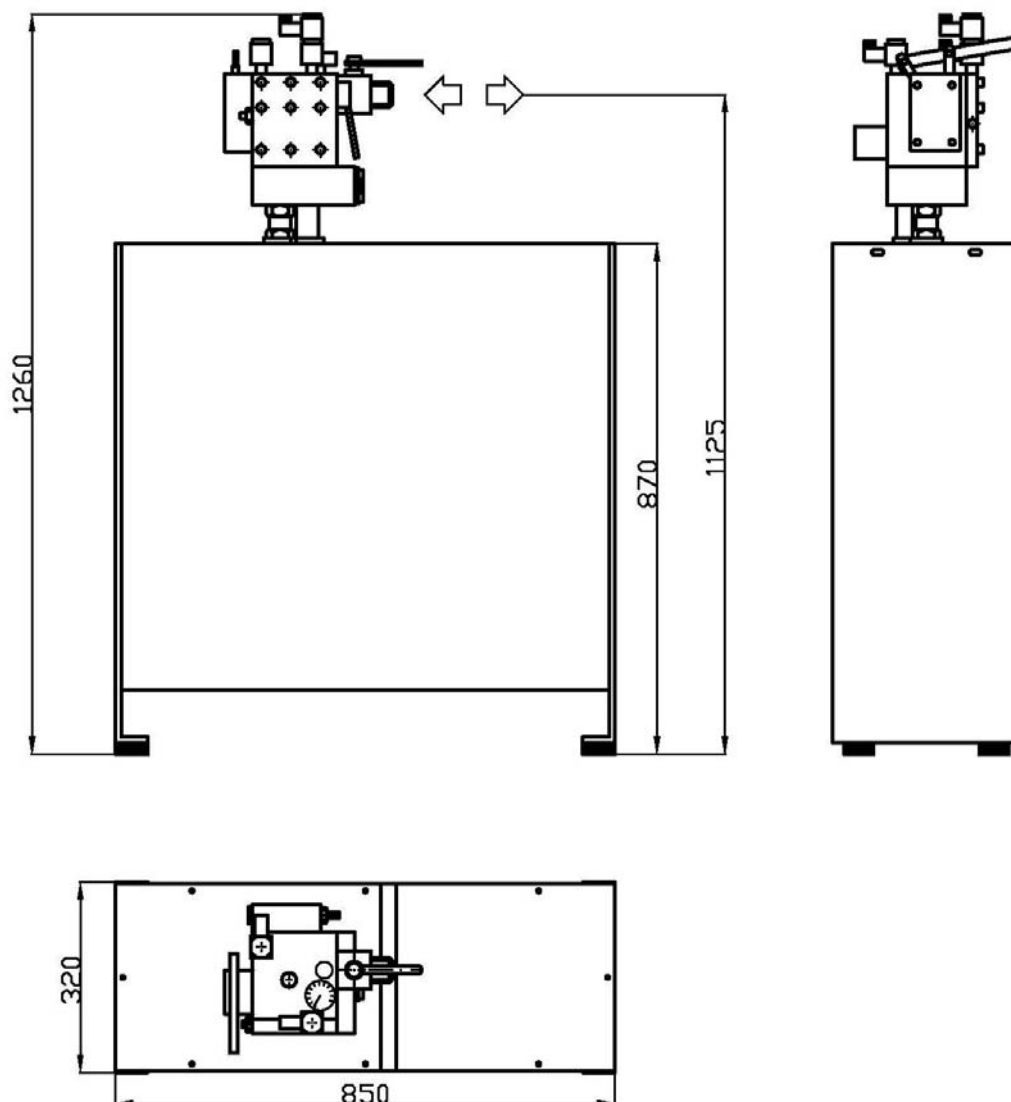
MOTOR POWER $4,4 \leq kW \leq 16$	PUMP FLOW $45 \leq l/min \leq 250$	
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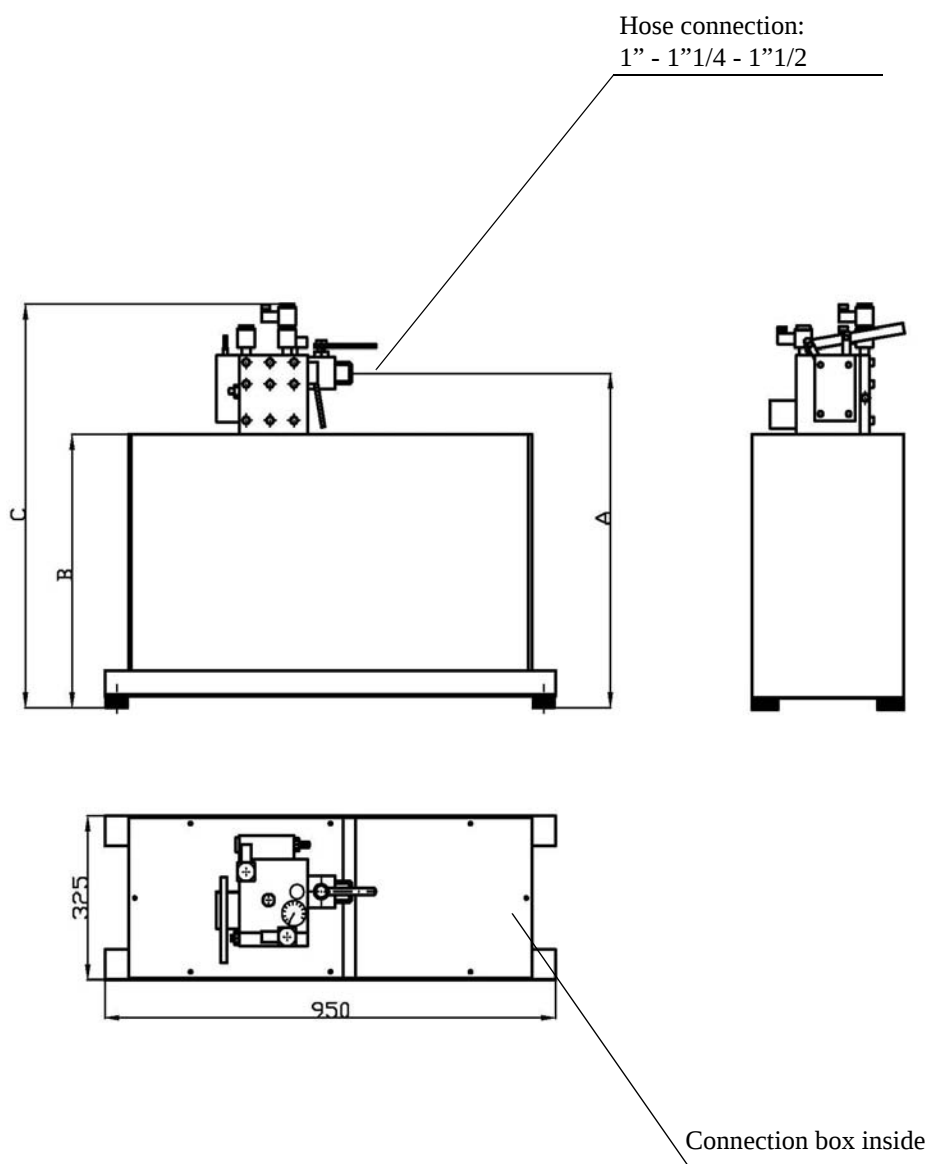
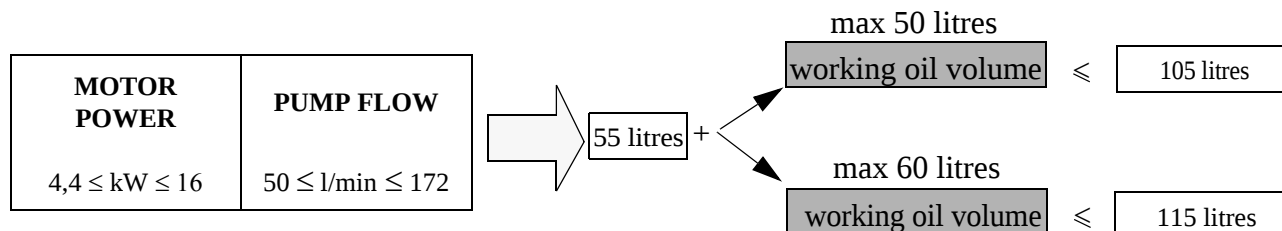
PUMP FLOW	VALVE	A (mm)	B (mm)
$50 \leq l/min \leq 250$	C-LRV 175	1280	1130

MHY 125 HYDRONIC ESC POWER UNIT DATA

INVERTER SIZE	PUMP FLOW			
$16,5 \leq A \leq 40$	$50 \leq l/min \leq 172$	MHY125	55 litres	+
			max 125litres working oil volume	≤ 180 litres

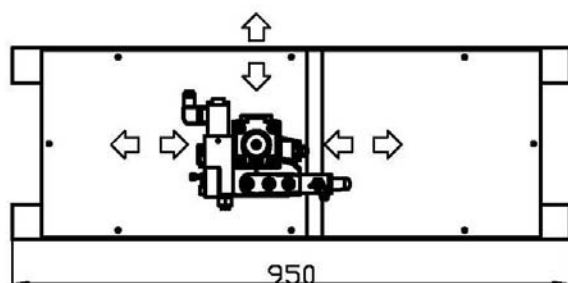
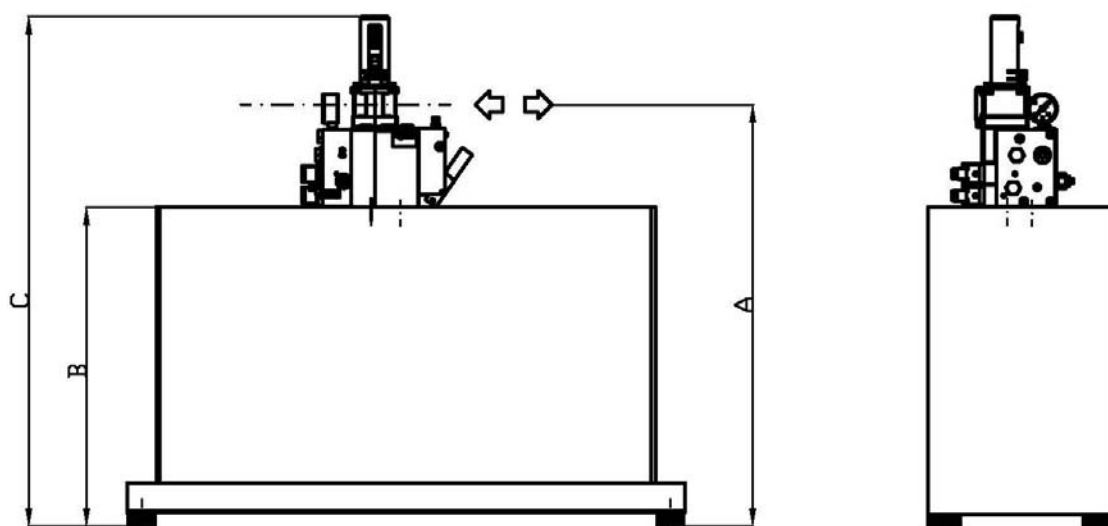
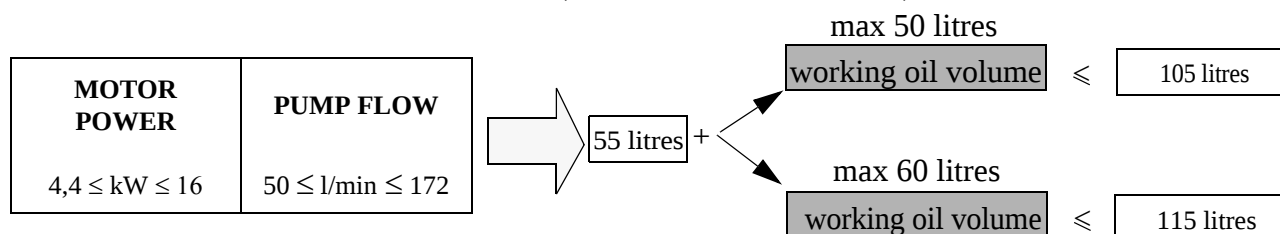


MHY125-50/MHY125-60 HYDRONIC H300 POWER UNIT DATA



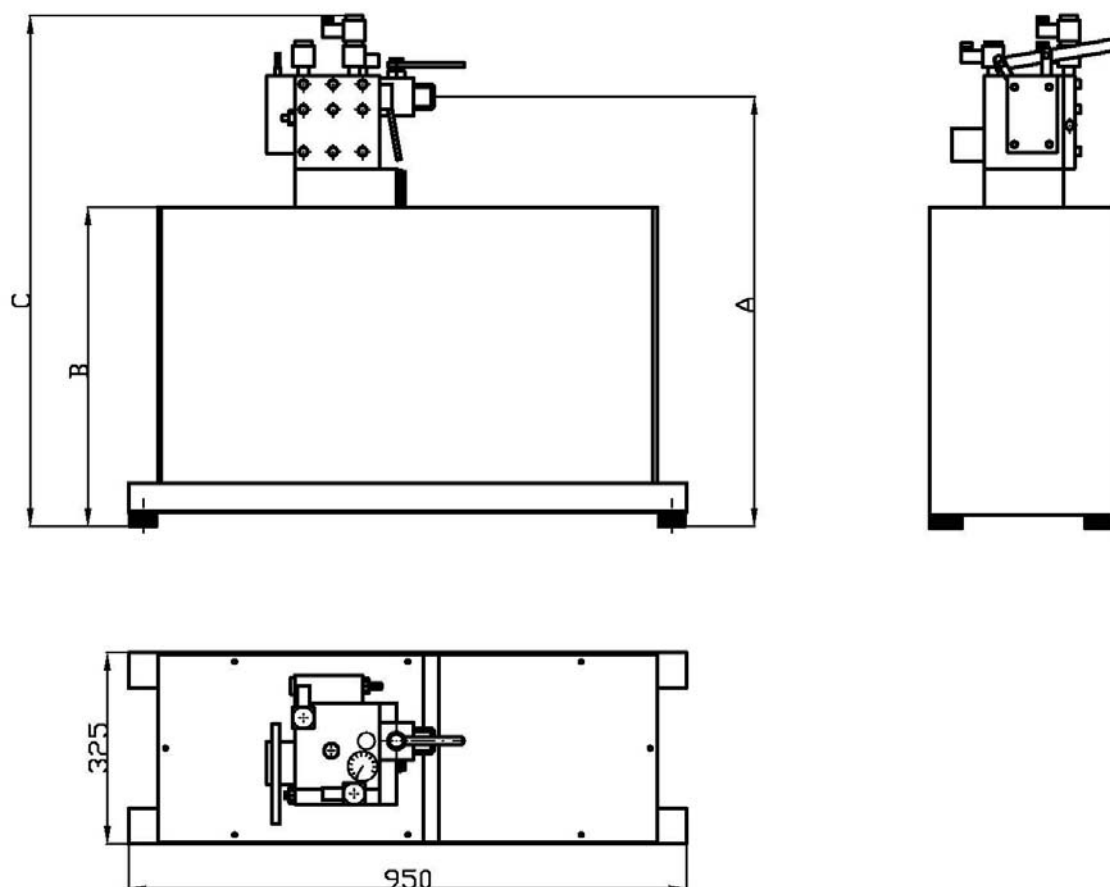
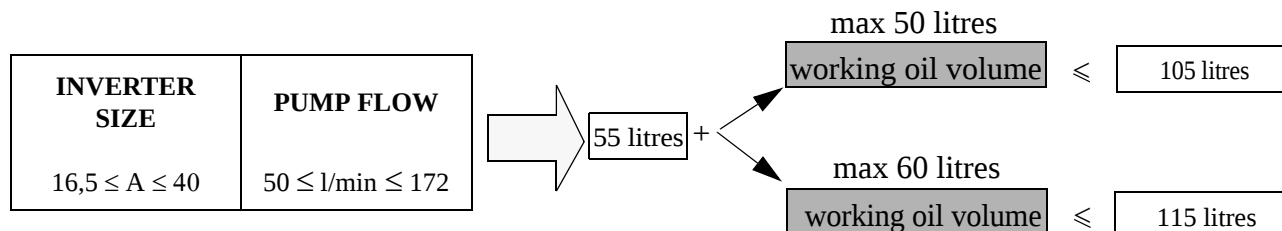
TYPE	WORKING OIL VOLUME	A (mm)	B (mm)	C (mm)
MHY125-50	50 litri	640	510	760
MHY125-60	60 litri	675	545	795

MHY125-50/MHY125-60 WITH C-LRV (ELECTRONIC VALVE) POWER UNIT DATA



TYPE	WORKING OIL VOLUME	A (mm)	B (mm)	C (mm)
MHY125-50	50 litri	685	510	835
MHY125-60	60 litri	720	545	870

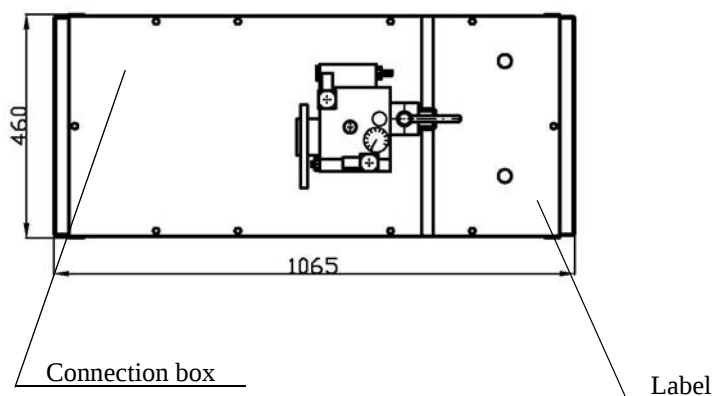
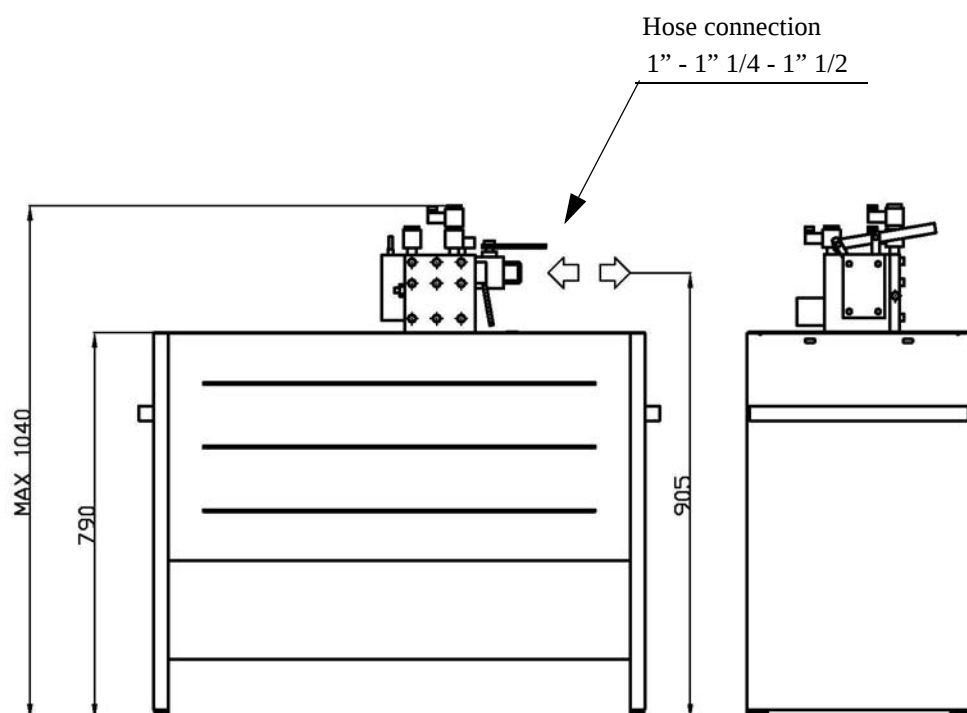
MHY125-50/MHY125-60 HYDRONIC ESC POWER UNIT DATA



TYPE	WORKING OIL VOLUME	A (mm)	B (mm)	C (mm)
MHY125-50	50 litri	710	510	830
MHY125-60	60 litri	745	545	865

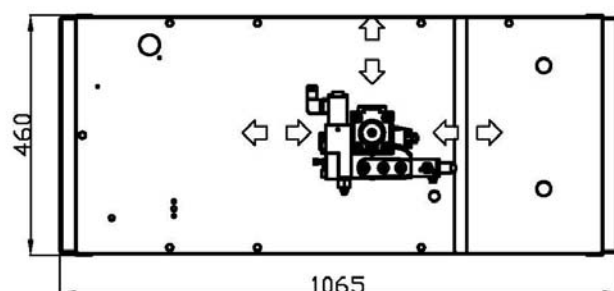
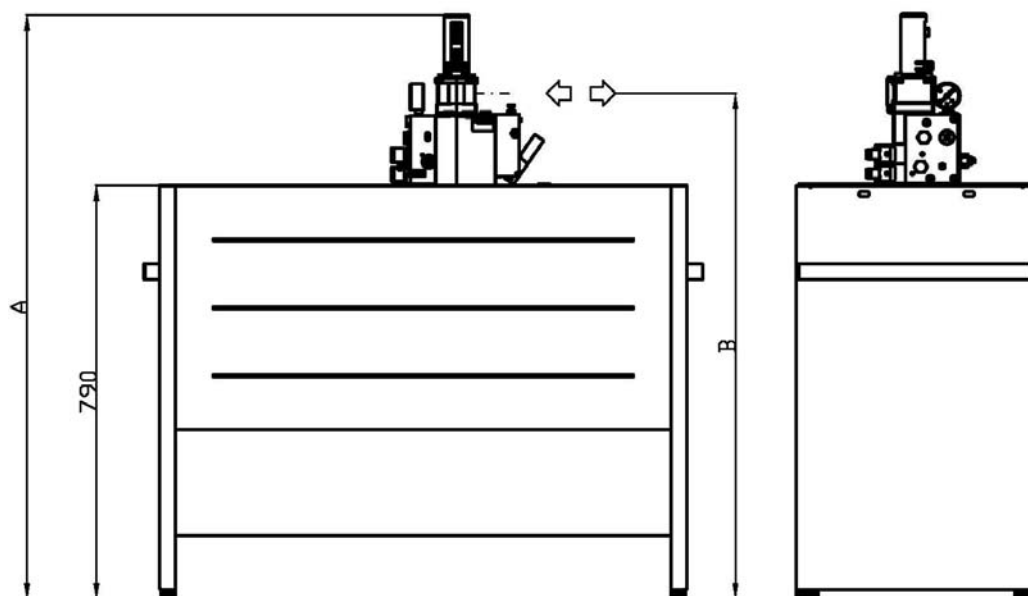
MHY 15 HYDRONIC H300 POWER UNIT DATA

MOTOR POWER	PUMP FLOW			
$9.5 \leq kW \leq 29$	$50 \leq l/min \leq 250$	MHY15	80 litres + max 150 litres working oil volume	≤ 230 litres



MHY15 WITH C-LRV (ELECTRONIC VALVE) POWER UNIT DATA

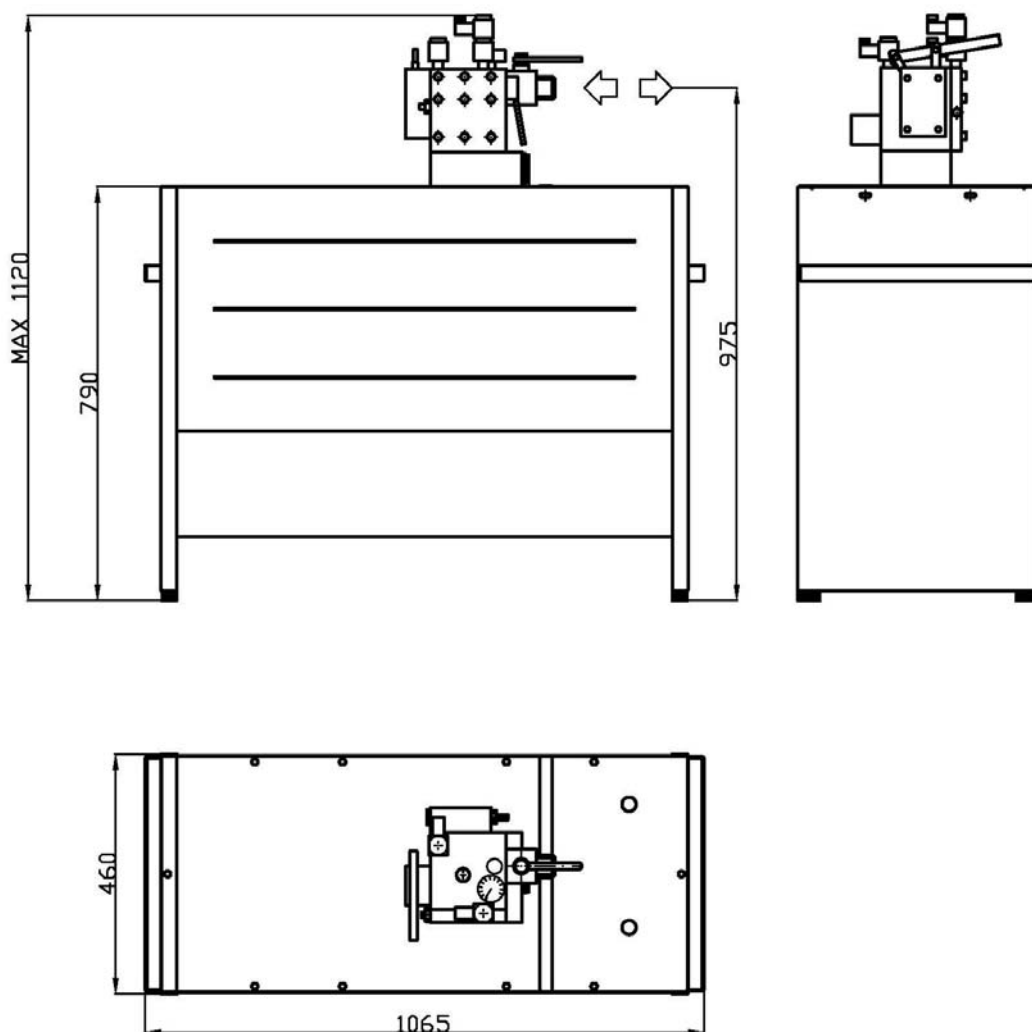
MOTOR POWER	PUMP FLOW			
$4,4 \leq kW \leq 29$	$45 \leq l/min \leq 380$	MHY15	80 litres	max 150 litres working oil volume ≤ 230 litres



PUMP FLOWS	VALVE	A (mm)	B (mm)
$45 \leq l/min \leq 250$	C-LRV 175	1115	965
$251 \leq l/min \leq 500$	C-LRV 350	1145	990

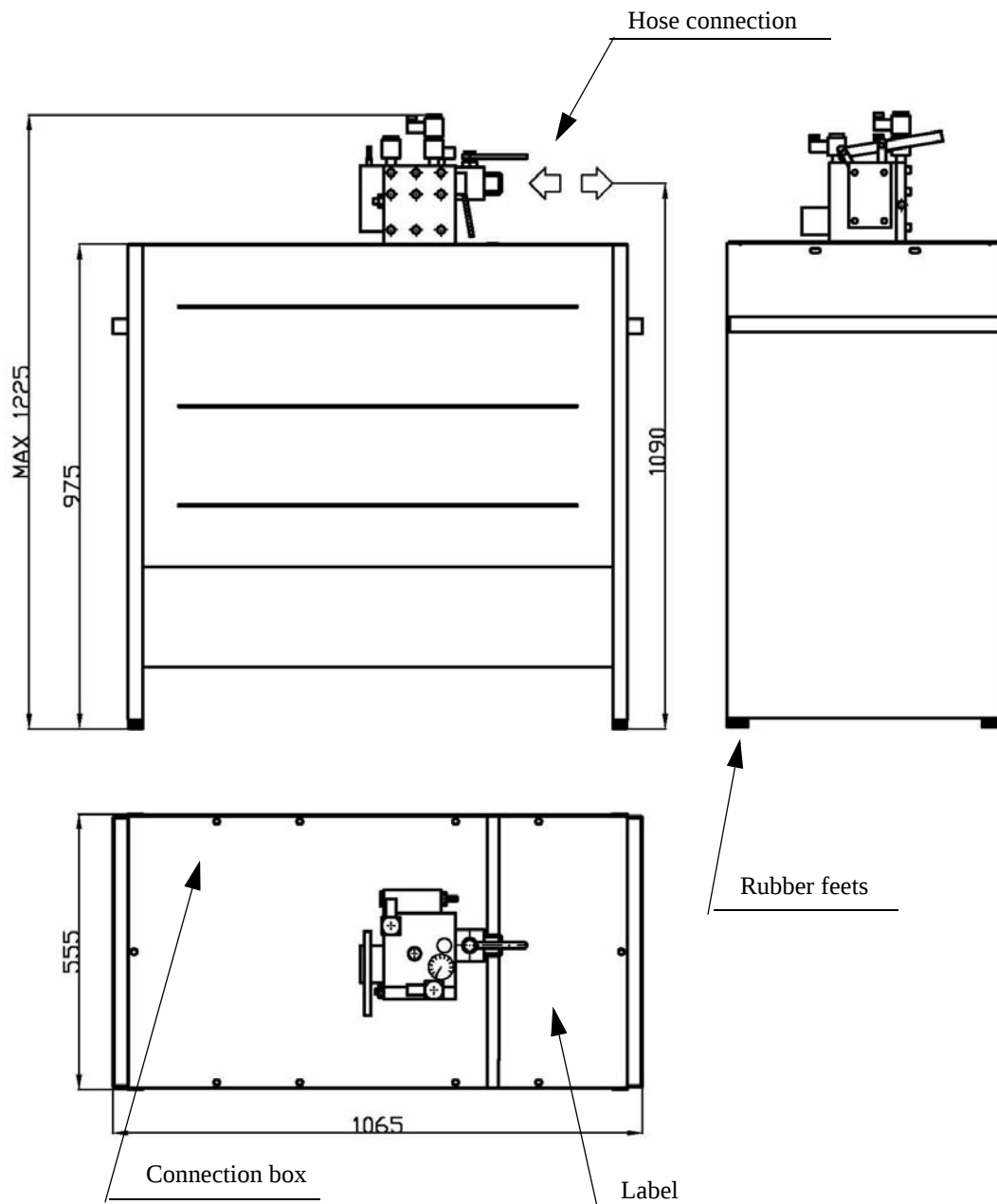
MHY15 HYDRONIC ESC POWER UNIT DATA

INVERTER SIZE	PUMP FLOW			
$16,5 \leq A \leq 60$	$45 \leq l/min \leq 250$	MHY15	80 litres +	max 150 litres working oil volume $\leq$ 230 litres

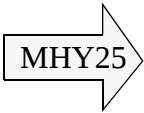


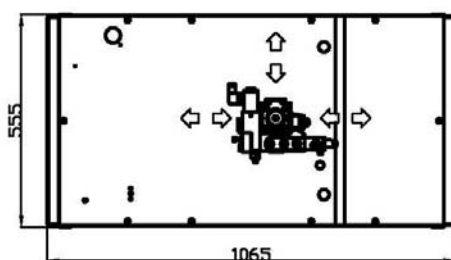
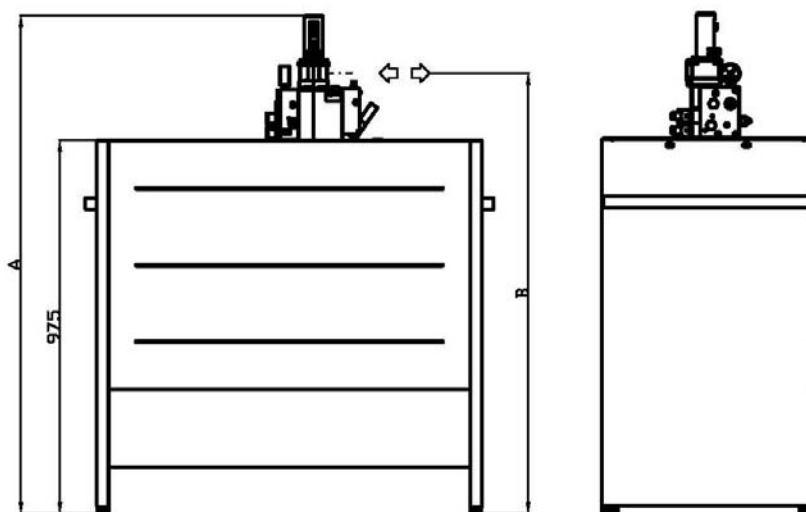
MHY 25 HYDRONIC H300 POWER UNIT DATA

MOTOR POWER	PUMP FLOW	MHY25			max 240 litres		
$16 \leq kW \leq 29$	$210 \leq l/min \leq 250$		100 litres	+	working oil volume	≤	340 litres



MHY25 WITH C-LRV (ELECTRONIC VALVE) POWER UNIT DATA

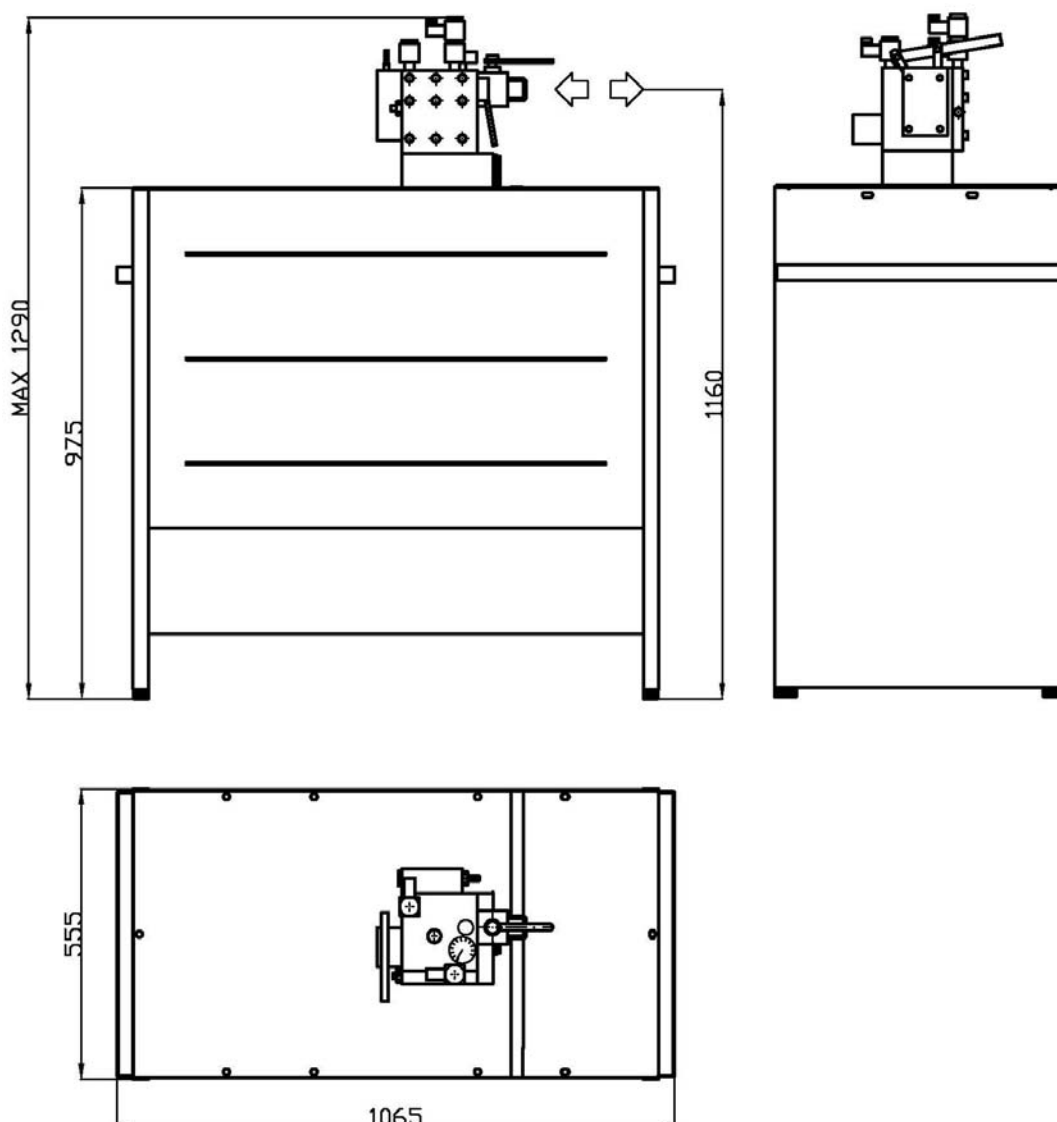
MOTOR POWER $4,4 \leq kW \leq 29$	PUMP FLOW $45 \leq l/min \leq 500$				$100 \text{ litres} + \begin{matrix} \text{max 240 litres} \\ \text{working oil volume} \end{matrix} \leq 340 \text{ litres}$
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PUMP FLOWS	VALVE	A (mm)	B (mm)
$45 \leq l/min \leq 250$	C-LRV 175	1300	1150
$251 \leq l/min \leq 500$	C-LRV 350	1330	1175

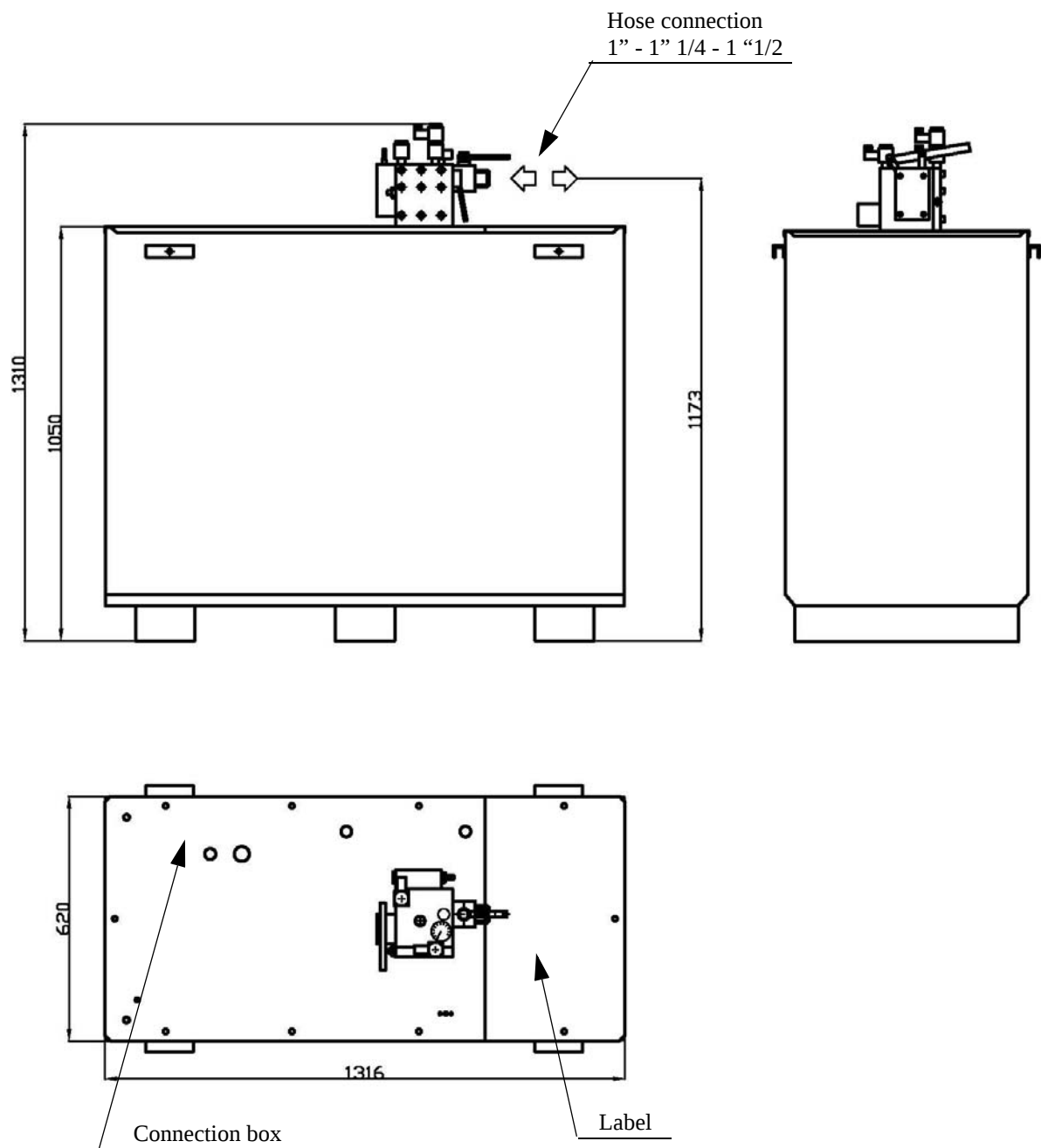
MHY 25 HYDRONIC ESC POWER UNIT DATA

INVERTER SIZE	PUMP FLOW				
$16,5 \leq A \leq 60$	$210 \leq l/min \leq 250$	MHY25	100 litres	+	max 240 litres working oil volume $\leq$ 340 litres

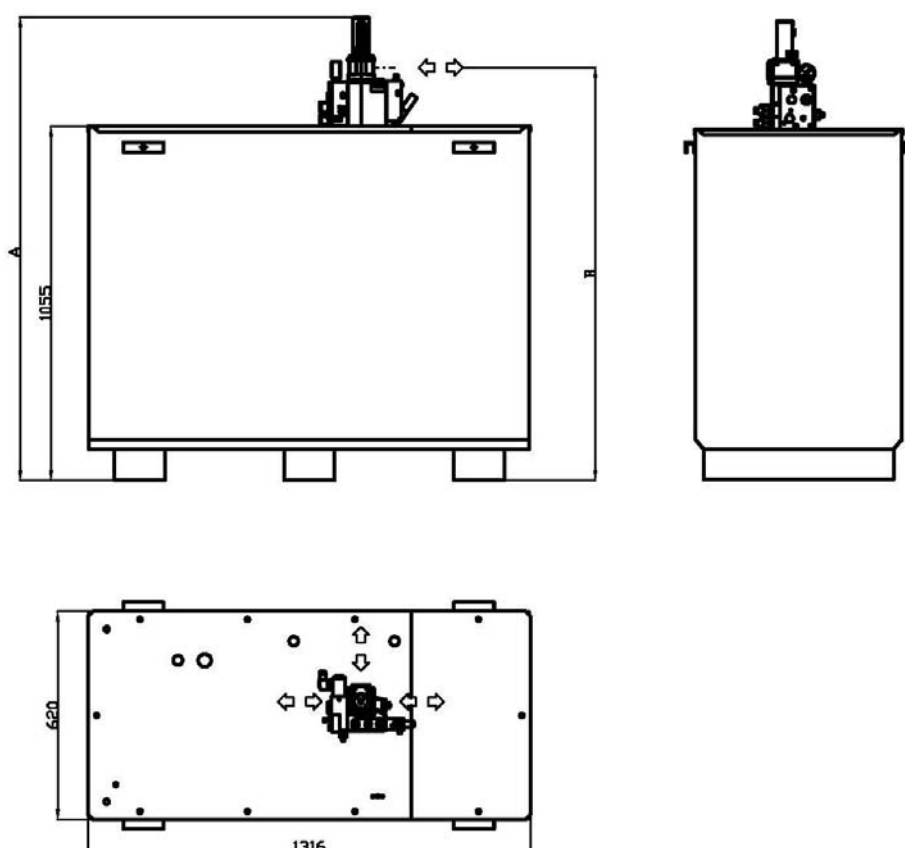
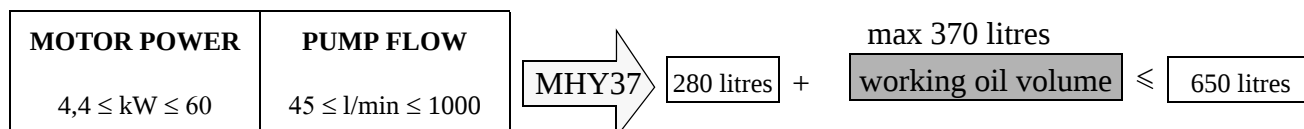


MHY 37 HYDRONIC H300 POWER UNIT DATA

MOTOR POWER	PUMP FLOW			
$16 \leq kW \leq 29$	$210 \leq l/min \leq 250$	MHY37	280 litres +	max 370 litres working oil volume $\leq$ 650 litres



MHY 37 WITH C-LRV (ELECTRONIC VALVE) POWER UNIT DATA



PUMP FLOWS	VALVE	A (mm)	B (mm)
$45 \leq l/min \leq 250$	C-LRV 175	1380	1230
$251 \leq l/min \leq 500$	C-LRV 350	1410	1255
$501 \leq l/min \leq 1000$	C-LRV 700	1483	1320

MHY 37 HYDRONIC ESC POWER UNIT DATA

INVERTER SIZE	PUMP FLOW			
$16,5 \leq A \leq 60$	$210 \leq l/min \leq 250$	MHY37	280 litres	+
				max 370 litres
				working oil volume $\leq$ 650 litres

