

**MH**  
**HYDRAULICS**  
PUMPS, MOTORS AND COMPONENTS



**MH DTB140**  
**PRO LINE+**  
dynamic hydraulic test bench



**MH STB37**  
**PRO LINE**  
static hydraulic test bench

**MH STB50**  
**PRO LINE**  
static hydraulic test bench

**MH TEST BENCHES**  
**DIFFER TO BE BETTER**



## CUSTOMIZED TEST BENCHES

Possibility to design and manufacture MH test benches according to your specifications

**MH DTB90**  
PRO LINE  
dynamic hydraulic test bench

## MH DYNAMIC TEST BENCHES

Our electric-powered pump test benches are capable of testing open and closed loop pumps from 45 up to 140 kW. Stepless speed control between 0 and 2800 rpm makes it possible to test most common pumps.

**MH DTB140**  
PRO LINE+  
dynamic hydraulic test bench

Our test benches are capable of pressure testing from 0 up to 350 bar. A turbine flow pipe measures the oil flow in combination with pressure, temperature and drive speed. A laptop with printer produces a test diagram. Optional is the in-line particle counter to provide information on pollution of the hydraulic oil. Several alarms are fitted for monitoring of temperature, oil filter etc. All MH Dynamic Testbenches are equipped with the MH easy slide mounting system and all frames are designed for a max. of 140Kw. Lower capacity testbenches can easily be upgraded later.





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	MH-DTB-50 PRO LINE	MH-DTB-90 PRO LINE	MH-DTB-90 PRO LINE +	MH-DTB-140 PRO LINE +
	The economical 45 kW dynamic test bench for open en closed loop tests up to 350 bar	The economical 90 kW dynamic test bench for open en closed loop tests up to 350 bar	The 90 kW dynamic test bench for open en closed loop tests up to 350 bar	The 140 kW dynamic test bench for open en closed loop tests up to 350 bar
Power supply	400V - 45KW - 120 Amp	400V - 90 kW - 250 Amp	400V - 90 kW - 250 Amp	400V - 140 kW - 375 Amp
0 - 2800 RPM stepless frequently inverter	●	●	●	●
Electric motor	45 kW	90 kW	90 kW	140 kW
Max. flow	300 ltr	600 ltr	600 ltr	600 ltr
Max. pressure 350 bar	●	●	●	●
Max. flow at 350 bar	approx. 75 ltr	approx. 154 ltr	approx. 154 ltr	approx. 240 ltr
Max. pressure at 300 ltr	approx. 90 bar	approx.180 bar	approx. 180 bar	approx. 280 bar
Speed 0 - 2800 RPM	●	●	●	●
Open en closed loop test circuit	●	●	●	●
Reservoir 700 ltr	●	●	●	●
Reservoir top filter: return line filter	●	●	●	●
Filling cap with air breather	●	●	●	●
Level gauge with temperature gauge	●	●	●	●
Connections for additional cooler, off-line filtration, pressure gauge	●	●	●	●
Spare filterset	-	-	●	●
Blind pump flange adapters	-	-	2 pcs	2 pcs
Oil/air cooler with pump and elec. motor	-	-	●	●
Mobile off-line filtration	-	-	●	●
Amplifier 1 - 36 v/dc 0 - 5 amp	-	-	●	●
Digital data	●	●	●	●
Flow turbine	10 - 300 ltr/minute	10 - 600 ltr/minute	10 - 600 ltr/minute	10 - 600 ltr/minute
Data logger	HPM 4030	HPM 6216	HPM 6216	HPM 6216
Particle counter	-	-	●	●
I.connectivity	-	-	MH monitoring	MH monitoring
Laptop with Teamviewer	-	-	●	●
Printer	-	-	laser color printer	laser color printer
Options	Cooler, off-line filtration, particle counter, laptop with software, printer and much more to make your economy line a PRO Line.	Cooler, off-line filtration, particle counter, laptop with software, printer and much more to make your economy line a PRO Line.	Helpdesk connection	Helpdesk connection

MH TEST BENCHES  
DIFFER TO BE BETTER

MH STATIC  
TEST BENCH

MH-STB-37  
PRO LINE

MH-STB-50  
PRO LINE

The static test bench to test hydraulic motors valves and cylinders up to 350 bar

Power supply	400 V - 37 Kw - 67 Amp	400 V - 50 Kw - 80 Amp
Electric motor	37 kW	45 kW

Max. flow	100 ltr	145 ltr
Max. pressure 350 bar	●	●
Max. flow at 350 bar	approx. 64 ltr	approx. 86 ltr

Reservoir	approx. 450 ltr	approx. 450 ltr
Reservoir top filter: Return line filter	●	●
Filling cap with air breather	●	●
Level gauge with temperature gauge	Level alarm	Level alarm
Connections for additional cooler, offline filtration, pressure gauge	●	●

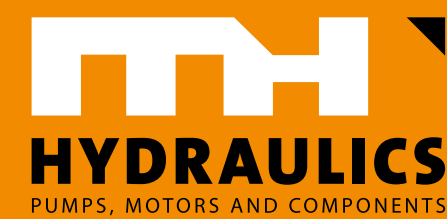
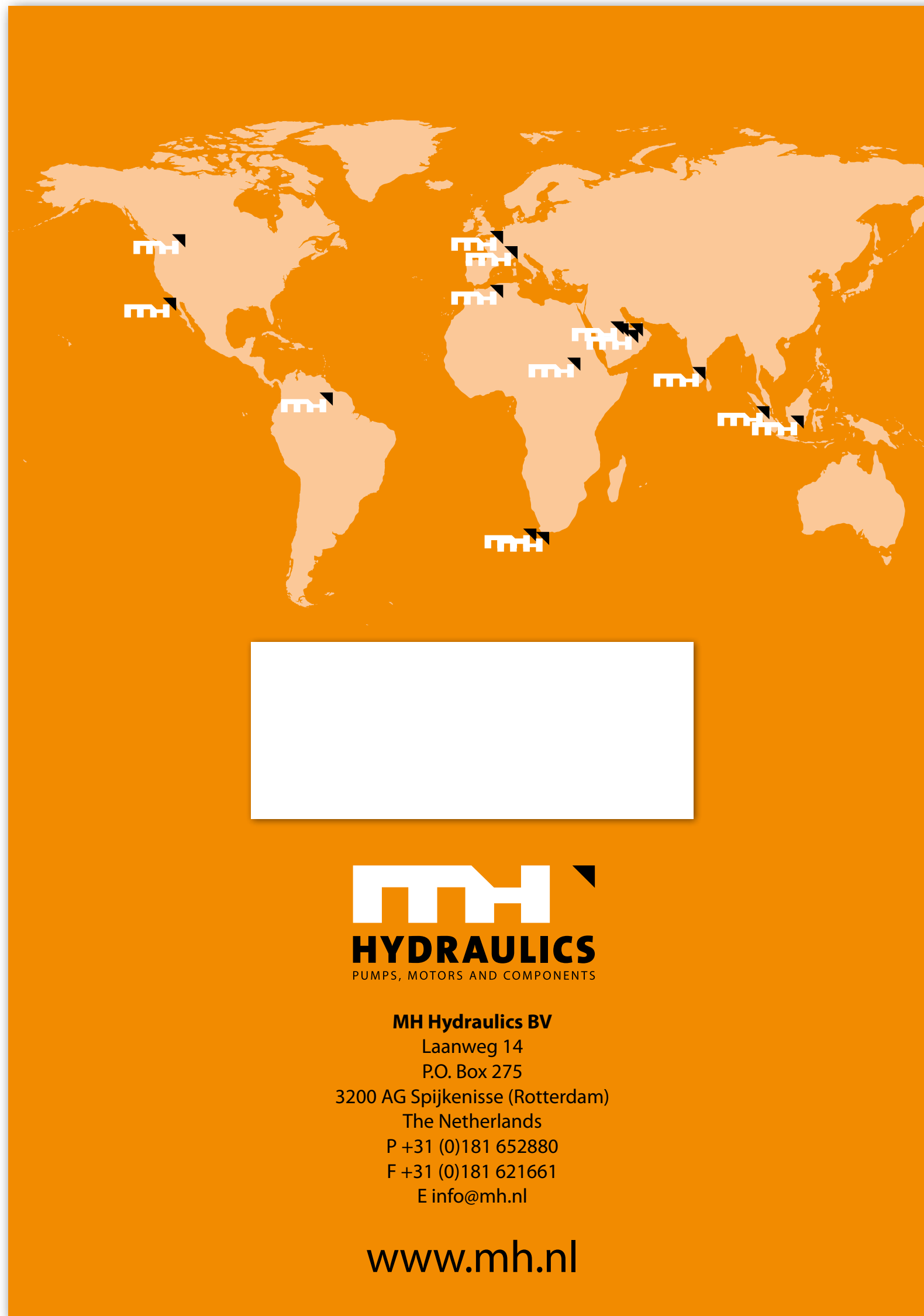
Webtec digital data	●	●
Webtec flow turbine	300 ltr/minute	300 ltr/minute

The test bench is equipped with sockets for an external cooler and an off-line filtration.

MH STB37  
PRO LINE  
static hydraulic test bench

MH STB50  
PRO LINE  
static hydraulic test bench





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