



Application:

Supply of irrigation machines with water for the irrigation of agricultural land

Function:

The flexibly mounted diesel engine drives the multi-stage high-pressure centrifugal pump directly via a flexible coupling.

	Parameters	Size	Unit	Value
Aggregate	Volume flow	V_{max}	m ³ /h	90
	Funding level	H_{max}	m WS	122
	Connection	DNS DND	mm	108 V 98 V

	Parameters	Size	Unit	Value
Motor	Manufacturer			IVECO
	Type			F34
	ICFN performance	P	kW	54
	RPM	n	1/min	1800
	EU emission standard			V

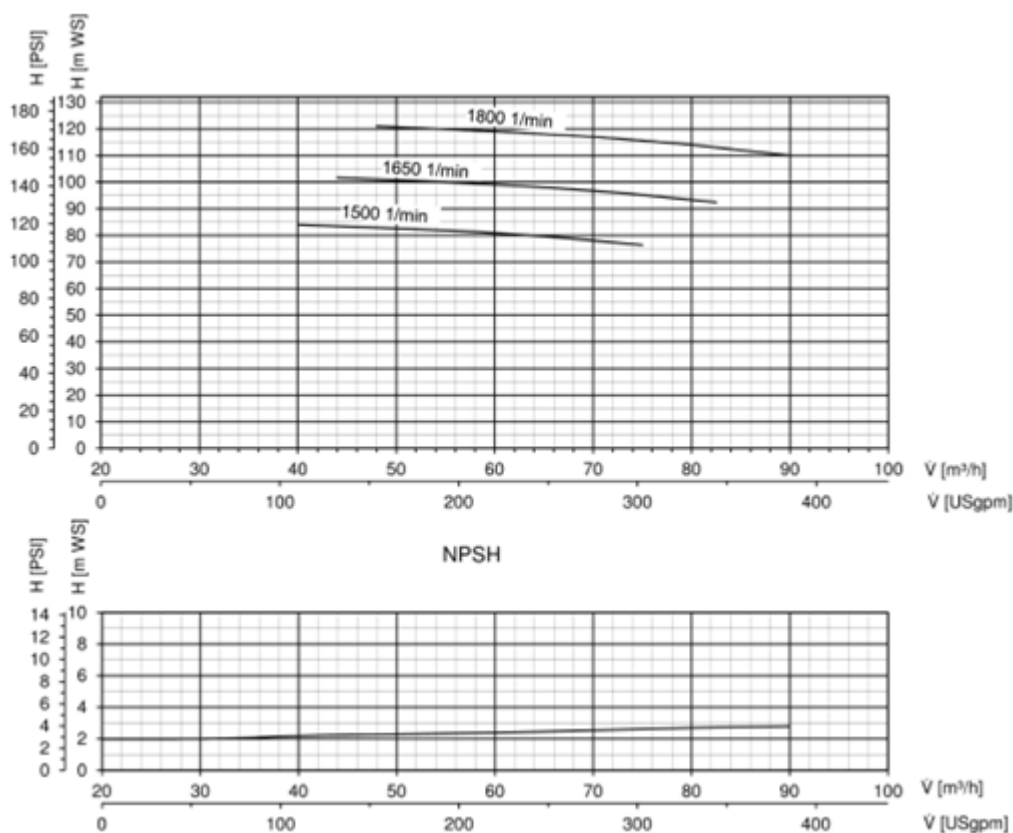
	Parameters	Size	Unit	Value
Shipping	Length x width x height	l x w x h	mm	3526 ¹⁾ x 1790 x 2068 4336 ²⁾ x 1790 x 2068
	Weight	m	kg	1737 ³⁾

¹⁾ without drawbar

²⁾ with drawbar

³⁾ Ready for operation without fuel

Performance Curve



Water pump:

Reference: $p_u = 0$ bar negative pressure

Technical Details

- Normal-priming diesel pump unit
- with 3-stage pump
- Two-wheeled tank frame chassis with tank lid
- Tank volume 500 litre capacity
- with sump and drain plug
- Sound-insulating bonnet with lockable doors
- Detachable drawbar with DIN towing eye
- Detachable wheels
- 1 front crank support wheel, rear support leg, infinitely adjustable with spindle lock
- with oil drip tray
- Vacuum gauge
- Semi-automatic pump deaeration
- Battery 12 V/100 Ah
- SAE flange between pump and motor
- Transport device for hoses
- Suction connection with gooseneck 108 VT
- Pressure connection
- complies with EU Stage V emissions regulations
- Sound power level: LWA= 98 dB
- Sound pressure level: LPA7m= 72 dB(A), LPA10m= 69dB(A)

Components



Four-cylinder turbo engine

- with diesel particulate filter
- fulfils the requirements of EU emission stage V
- SCR system (urea injection) not required in this power class



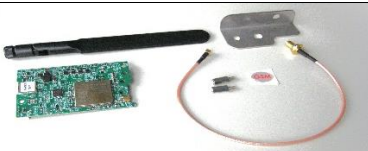
Semi-automatic suction device

- Fast suction even at lower groundwater levels
- Variable-direction discharge nozzle with 89 MT



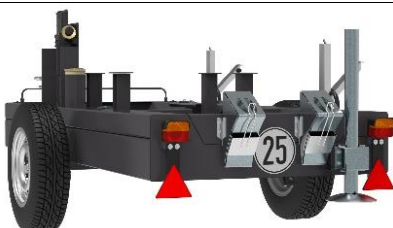
HÜDIG switch box:

- Stepless adjustment of the switch-off pressure on the display
- Vacuum and overpressure shut-off
- Runtime programming
- Operating hours display
- Daily operating hours and
- Remaining time display
- Speed display
- Tank level indicator on request
- Service hours display
- Oil pressure control
- Monitoring electronics



Option: GSM control

- Remote start/stop possible
- Changing the operating pressure
- Changing the runtime for time-controlled irrigation



optional:

- Chassis with StVO-compliant lighting equipment and maximum authorised speed of 25 km/h

Technical data

HC 910/503/91 Irrigation Diesel Pump