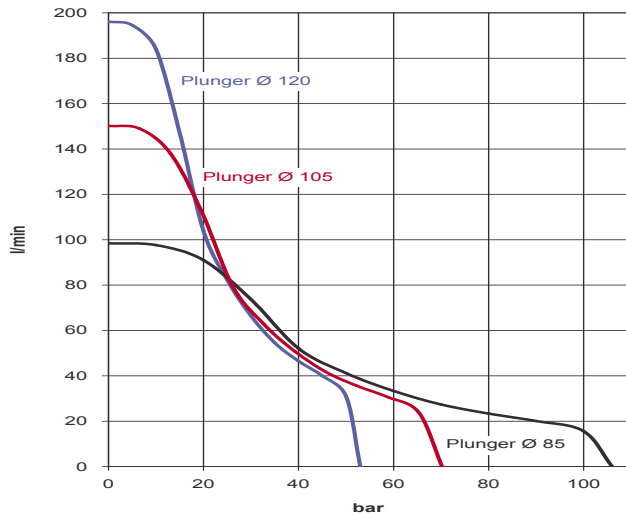
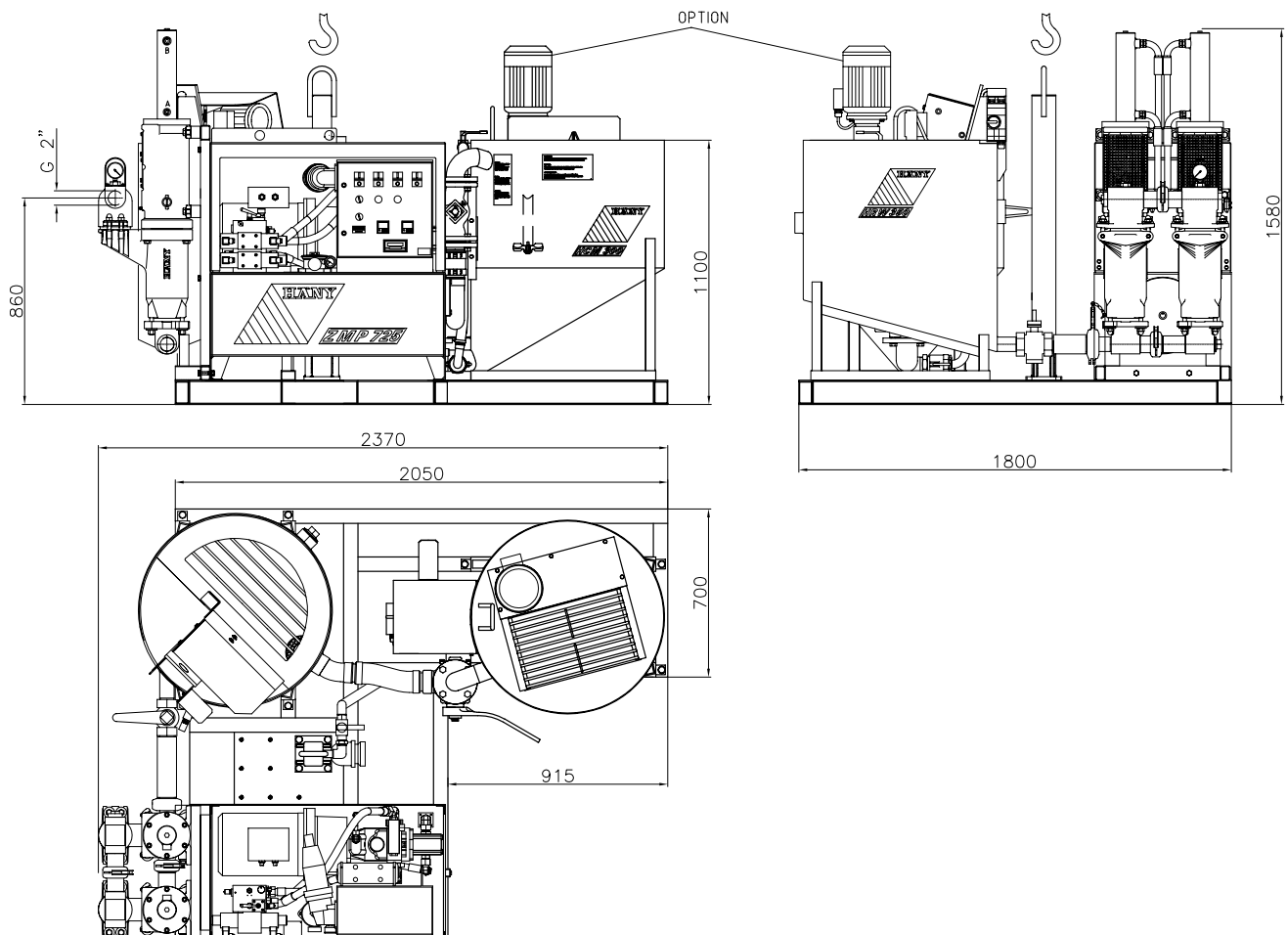


Data sheet

IC 650/725V



INJECTO-COMPACT		IC	650
Grout pump		ZMP	725V
Capacity, max. (W/C = 1)		m ³ /h	5
Pressure, max.		bar	100
Particle size, max.		mm	8
Oil Content		l	140
Power consumption	50 Hz	kW	15
	60 Hz	kW	23
Weight		kg	1465
Water connection			1" BSP
Cooling water connection			½" BSP
Cooling water consumption		l/min	5 - 6
Discharge			2" BSP



GROUTING SYSTEMS

HÄNY

INJECTO-COMPACT (IC) 650/725V GROUTING UNIT

consisting of high-shear mixer HCM 300, agitator HRW 350, grout pump ZMP 725V.

The plant is suitable to mix and inject all common grout and mortar mixtures. Due to the compact and functional arrangement of the individual components, the equipment can easily be handled by only one operator. A central lifting eye makes the loading and unloading of the unit extremely easy. Simple operation, easy maintenance and cleaning, high quality and safety standards are some of the outstanding features of this unit.

HIGH-SHEAR MIXER HCM 300

The mixer consists of a mixing tank and a high-speed mixing pump. The special mixing effect is achieved by an extremely high turbulence created in the pump casing. This turbulence with its high shear forces separates the cement or bentonite particles which results in a fully hydrated suspension. For the mixing of suspensions with low water/cement ratios or mortar, a high performance mixing pump TMP 22 and/or an additional mixing unit (option) can be installed in the mixing tank to guarantee efficient pre-wetting of the dry admixtures.

AGITATOR HRW 350

The slow stirring paddle prevents the grout from settling out of suspension and removes any air bubbles from the mix. The slanting paddle together with a special arrangement of the paddle blades ensure complete circulation of the tank content. A safety switch stops the agitator whenever the tank cover is removed.

GROUT PUMP ZMP 725V

The ZMP 725V is a vertical double acting plunger pump, consisting of two ZMP 700 pump modules powered by a special hydraulic system. Due to the unique design of this system, the back or suction stroke is always carried out at high speed. The advantage of the fast suction stroke is that the grout passes the suction valve of the pump at relatively high velocity. Thus, heavy particles which tend to settle on the suction valve during the working stroke will be flushed away and the valve is always kept clear. Mixes with low water/cement ratios and sand particles of up to 8 mm in size do not create any problems.

The ZMP 725V is equipped with precise pressure and flow control valves which allow stepless pre-setting of both maximum pressure and flow independently. Whenever the pre-set pressure is reached, the pump automatically stops and maintains that pressure without fluctuations to ensure complete filling of the grout hole. Pressures as low as 1 bar can be pre-set with the low pressure control valve (optional). The automatically controlled variable flow hydraulic pump keeps the power consumption to a minimum, thus preventing the oil from excessive heating. For continuous operation and warm climatic conditions the hydraulic power pack is provided with a water connection for the cooling of the hydraulic oil.

GROUTING SYSTEMS

HÄNY

