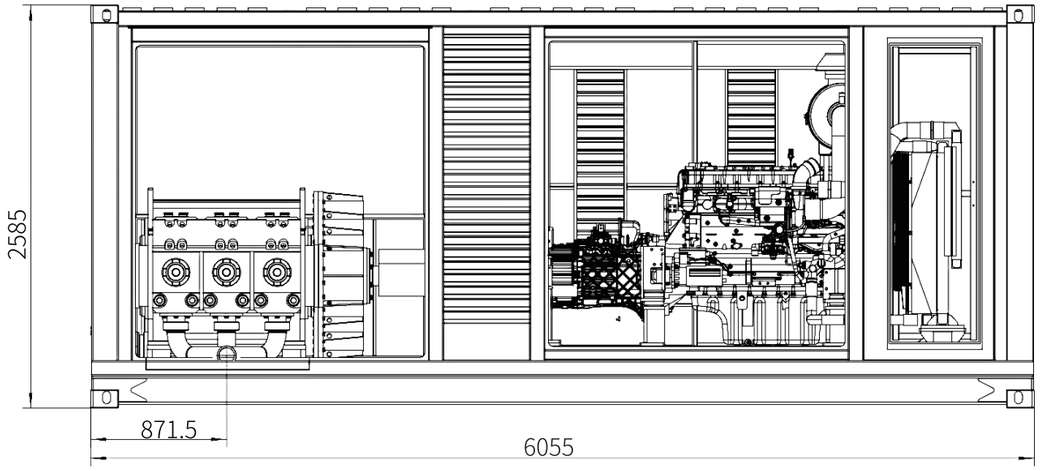
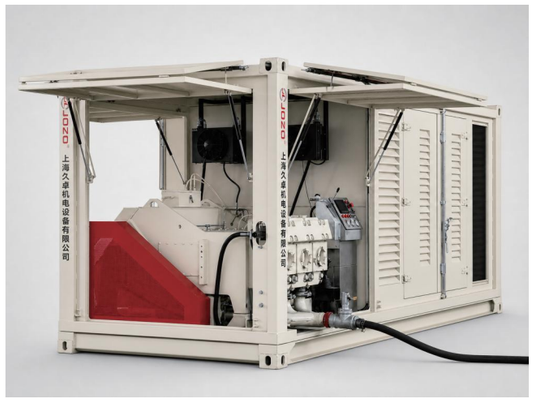
■ 尺寸展示

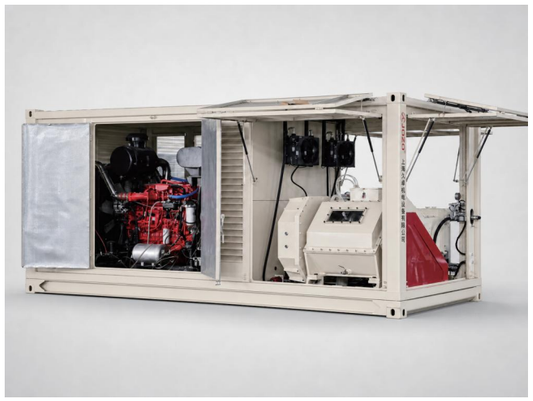
Dimension Display



■ 产品照片

Product Photos





HP7-580DV

高压注浆泵

High-pressure Grouting Pump

■ 设备简介
Equipment Introduction

HP7-580DV 高压注浆泵是 HP7 系列大功率齿轮泵，专为超大规模工程设计。搭载大功率电机，动力充沛，可输出超大流量浆液，满足大规模注浆施工需求；具备超高压作业能力，可完成深层注浆与高硬度介质输送作业；柱塞直径更大，适配各类大孔径注浆工况；配置双液润滑系统，设备运行更加稳定可靠。适用于地铁、隧道等超大规模工程，是高效快速施工的主力设备。

HP7-580DV High Pressure Grouting Pump is a high-power gear pump in the HP7 series, designed specifically for ultra-large-scale projects. Equipped with a high-power motor for abundant power, it can output ultra-large flow slurry to meet the demands of large-scale grouting construction. With ultra-high pressure operation capability, it can complete deep grouting and high-hardness medium conveying operations. Its larger plunger diameter adapts to various large-aperture grouting working conditions. Configured with a dual-liquid lubrication system, the equipment operates more stably and reliably. It is suitable for ultra-large-scale projects such as subways and tunnels, serving as the main equipment for efficient and rapid construction.

■ 设备特点
Equipment Features

- 大功率电机：动力充沛，输出超大流量浆液。
- 超高压作业：完成深层注浆与高硬度介质输送。
- 大柱塞直径：适配各类大孔径注浆工况。
- 双液润滑系统：设备运行稳定可靠。
- 超大规模工程：适用于地铁、隧道等大型项目主力施工。

- High-power motor: delivers abundant power and outputs ultra-large flow slurry.
- Ultra-high pressure operation: completes deep grouting and the conveying of high-hardness media.
- Large plunger diameter: adapts to various large-aperture grouting working conditions.
- Dual-liquid lubrication system: ensures stable and reliable equipment operation.
- Ultra-large-scale projects: serves as the core construction equipment for large projects such as subways and tunnels.

■ 设备参数
Equipment Parameters

功率 Power	770 hp / 563 kW
传动方式 Transmission	齿轮 Gear
最大压力（齿轮）Max Pressure (Gear)	800 Bar / 80 MPa / 11600 PSI
最大排量（齿轮）Max Flow (Gear)	830 l/min / 220 gpm
柱塞直径 Ø Plunger Diameter	88.9 - 130 mm / 3.5" - 5.12"
最大冲次（齿轮）Max Stroke Frequency (Gear)	128 n.
冲程 Stroke	177.8 mm / 7"
吸入口直径 Suction Port Diameter Ø	101.6 mm / 4"
排出口直径 Discharge Port Diameter Ø	50.8 mm / 2"
外形尺寸 Overall Dimension	2.45×6.06×2.59 m
重量 Weight	14000 - 16000 kg

