ABSTRACT

In general, External fire fighting system have coupled with main engine. But in accordance with the development of technological advances in the world especially in the world of maritime shipping, external fire fighting system has been using its own engine, which is commonly referred to as independent drive, it more leads to be used for improve safety. Because of using main engine, then if the main engine was broken then the external fire fighting can not be used. So at this time, external fire fighting using independent drive to have its own propulsion.

Centrifugal pump type SSCXB300-250B to be used as an external fire in this Figthing head 150 m and a capacity of 1200 m$^3$/h, using independent drive or engine BAUDOUIN with type 12 M26 SRP P1. Diameter pipe that will be used in this system is galvanized pipe JIS 71 04 17. Requiremnt power of 600-732 (Kw) for the engine to matching procces and with rotation of 1800 in accordance with the requirements of the pump.

**Key word:** Independent Drive, External Fire Fighting, UV 48 M
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