

Application Report - No.6

Canals



The Selwood HS150, 6" hydraulic submersible, run by the HSP35 powerpack was the perfect pump to use on a maintenance programme on the Manchester Ship Canals' Irlam Locks.

The work involved creating a coffer dam between the bridge arches to affect repairs on the sluice gates. The depth of the dam of 11 metres made it impractical to use standard self priming end suction pumps.

The particular version of the hydrosub wet-end used was the D model which has a high flow and low head. With flows up to 445m³ per hour and heads up to 25m, considerable time saving was achieved on the application.

This pump has the HSP35 power pack driven by a Hatz silenced engine. The latest power packs are now available as a Super Silent option with noise levels down to 62db(A).

The pump is of aluminium construction, although it can also be supplied in cast iron, with a cast iron channel flow impeller utilising stainless steel wear plates. The pump was found to be light but robust for this particular application.

No problems were incurred when placing the submersible wet end in the coffer dam and this, coupled with its simplicity of use, ensured the job was completed well ahead of schedule.



HS150D

Capacity	445m ³ /h
Max Solids Size	75mm
Outlet Port	150mm
Delivery Head	28.5m
Height	790mm
Width	550mm
Weight	101kg



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