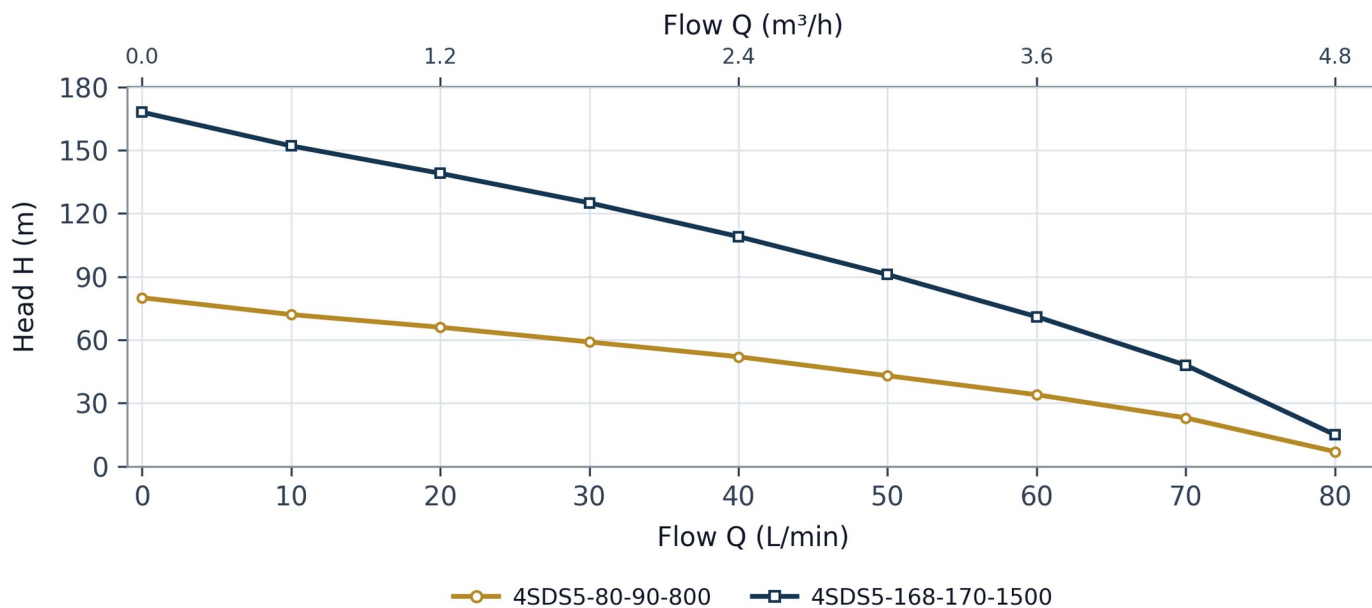


Solar borehole pump series

Sterling 4SDS5 | 800 W and 1500 W | DC solar pumping

Hydraulic comparison of two exact pump models. Solar array and controller selection require separate electrical checks.

Flow and head comparison



Markers are supplier-published table values. Joining lines are visual guides, not additional measured points; the graph is not extended beyond the published data.

Model ratings and nameplate duty points

Exact model	Rated power	Pump label DC voltage	Head at 20 L/min	Head at 40 L/min	Head at 60 L/min
4SDS5-80-90-800	800 W 1 HP	90-160 V	66 m	52 m	34 m
4SDS5-168-170-1500	1500 W 2 HP	150-240 V	139 m	109 m	71 m

Selection notes

Pump-label voltage ranges are not verified controller input limits. Confirm the exact controller, module Voc at the coldest design temperature, operating voltage, current limits and permitted PV power before choosing a panel string.

Do not size the array from pump watts alone. Flow varies with available solar power and total dynamic head. Maximum head and maximum flow are separate conditions, not a simultaneous duty.

Prepared by Waverley Plastics from supplier and nameplate data. Not a manufacturer-issued datasheet or test certificate.