

Tandem Operation –LH / LH-W–

“Tandem operation” is an operation method that connects two pumps of the same model in series. This provides double pump head at the same flow rate in comparison with that of a single pump. The principle of tandem operation is the same as that with multistage pumps. The LH and LH-W series pumps adopt the center flange construction to align the discharge pipe with the cylindrical pump center axis*. Connecting the pumps in series with the tandem connector can provide higher pump head without affecting the advantage of the slim design. At construction sites, there are many cases where a higher pump head is required as construction work progresses. In such cases, the addition of a tandem pump may meet the required pump head, instead of using a new pump.

* Available as an option for separately purchased LH33.0 and LH23.0W.



LH23.0W
for Tandem Operation



LH430W
for Tandem Operation

Discharge Bore mm	Model	Motor Output kW	Starting Method	Max. Head in Tandem m	Max. Head w/o Intermediate Connection Pipe m	Dimensions L x H mm	Dry Weight *2 kg	Allowable Load on Eyebolts kg	Cable Length m
80	LH33.0	3	D.O.L.	36 / 44	33	185 x 731	54	150	20
50	LH23.0W	3	D.O.L.	78 / 86	50	185 x 759	59	150	20
50	LH25.5W	5.5	D.O.L.*1	130	97.5	254 x 808	96	220	20
80	LH311W	11	D.O.L.*1	162	121.5	270 x 1043	125	450	20
80	LH322W	22	D.O.L.*1	204 / 216	162	330 x 1255	365	950	20
100	LH430W	30	Star-Delta	246 / 254	190.5	365 x 1400	389	950	20

*1 Star-Delta available upon request

*2 Weights excluding cable

Performance Curves

The intermediate connection pipe is not required in the range indicated as a bold line on curves.
If the required total head exceeds the maximum head of the pump without an intermediate connection pipe (indicated as dashed line), an intermediate connection pipe of a length corresponding to the excess amount or more is required.



