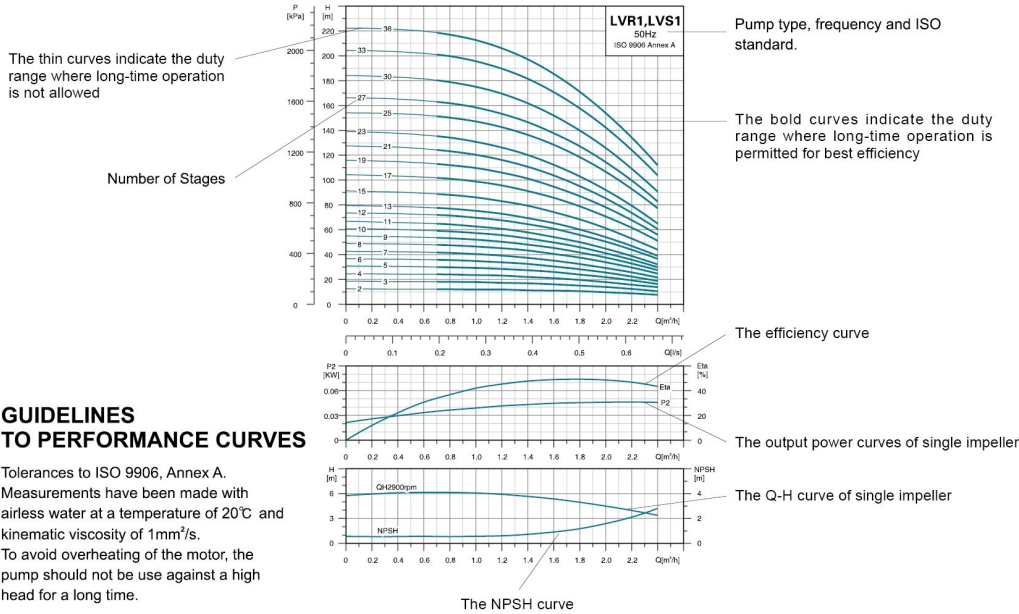


How To Read The Curve Charts



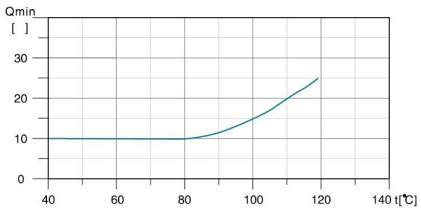
GUIDELINES TO PERFORMANCE CURVES

Tolerances to ISO 9906, Annex A. Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s. To avoid overheating of the motor, the pump should not be used against a high head for a long time.

Minimum Flow Rate

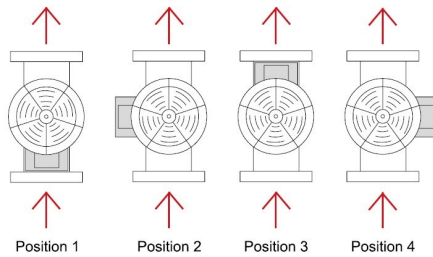
Due to the risk of overheating, the pump should not be used at a flow below the minimum flow rate. The curve below shows the minimum flow rate as a percentage of the nominal flow rate in relation to the liquid temperature.

Air cooling apparatus



Note: The outlet valve must be opened when the pump is in operation.

Terminal Box Positions
(Note: set to position 1 before delivery)



Product Range

MODEL	LVR(S)1	LVR(S)2	LVR(S)3	LVR(S)4	LVR(S)5	LVR(S)10	LVR(S)15	LVR(S)20	LVR(S)32	LVR(S)45	LVR(S)64	LVR(S)90
DESCRIPTION												
Rated flow [m ³ /h]	1	2	3	4	5	10	15	20	32	45	64	90
Flow range [m ³ /h]	0.7-2.4	1.0-3.5	1.2-4.5	2-8	2.5-8.5	5-13	9-24	11-29	15-40	22-58	30-85	45-120
Max. pressure [bar]	22	23	24	21	24	22	23	25	28	33	22	20
Motor power [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.37-4	0.37-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45
Temperature Range [°C]	-20°C~+120°C (Note: Both the Max. permissible pressure and liquid temperature range refer to the pump capacity.)											
Max. pump efficiency [%]	45	46	55	59	60	65	70	72	78	79	80	81
Pipe connection-LVR												
Oval flange	G1	G1	G1	G1 1/4	G1 1/4	-	-	-	-	-	-	-
DIN flange	DN25	DN25	DN25	DN32	DN32	DN 40	DN 50	DN 50	DN65	DN80	DN100	DN100
Flange structure	○	○	○	○	○	○	○	○	●	●	●	●
Pipe connection-LVS												
Oval flange	-	-	-	-	-	-	-	-	-	-	-	-
DIN flange	DN 32	DN 32	DN 32	DN 32	DN 32	DN 40	DN 50	DN 50	DN65	DN80	DN100	DN100
Flange structure	●	●	●	●	●	●	●	●	●	●	●	●
Clamp connector	φ42	φ42	φ42	φ42	φ42	-	-	-	-	-	-	-
Threaded connector	G1 1/4	G1 1/4	G1 1/4	G1 1/4	G1 1/4	-	-	-	-	-	-	-

Note: ○ It means stationary flange structure , ● It means dynamic flange structure

Scope Of Performance-LVR,LVS

