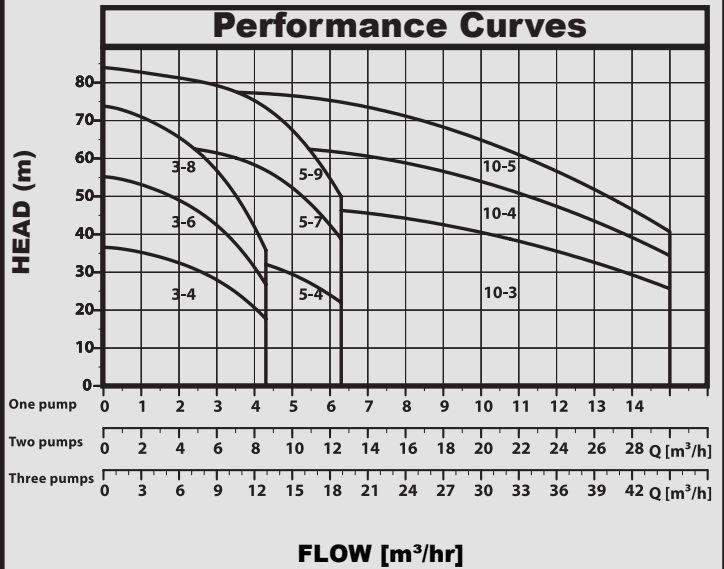
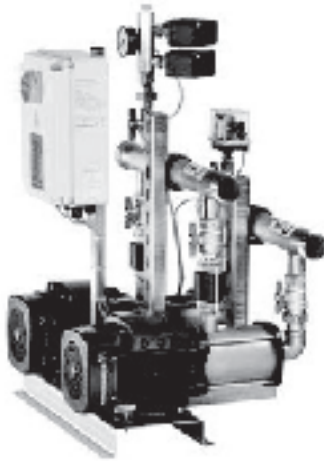


Hydro multi-s with two or three CM pumps



APPLICATIONS AND CONSTRUCTION FEATURES

The Grundfos Hydro Multi-S pressure are designed for pressure boosting of clean water. Areas of application are: Blocks, flats, hotels, schools and institutions and commercial buildings. They consist of two or three Grundfos CM or CR pumps connected in parallel and mounted on a common base frame and a control cabinet with motor-protective circuit breaker and intergrated controller. They are supplied complete, pre-assembled and tested and include: Sunction and discharge manifolds, isolating valves and non-return valves, pressure gauge and pressure switches. To ensure reliable operation, the booster system must be fitted with a suitable diaphragm tank. Automatic pump operation is based on a system demand controlled by pressure switches (one for each pump)

SYSTEM OPERATIONS

When a tap is opened, water will be drawn from the diaphragm tank. The pressure will drop to the first cut-in-pressure, and the first pump will cut in. As the consumption rises, more pumps will cut in until the performance, of the pumps in operation corresponds to the demand. Then the water consumption force, the discharge will rise to the cut-in pressure and the pressure switch will cut out the pump and as the consumption falls, more pump will be cut out

TECHNICAL DATA

Pump type	U [V]	P2 [kW]	H [mm]	A [mm]	A2 [mm]	B [mm]	B1 [mm]	B2 [mm]	DN	Hydro Multi-S with two pumps				Hydro Multi-S with three pumps					
										Dimensions [mm]		Weight [kg]		Dimensions [mm]		Weight [kg]			
										L1	L2	I _{1/1} [A]	I ₋ / I _G	L1	L2	I _{1/1} [A]	I ₋ / I _G		
CM 3-4	U1	0.5	815	330	480	310	130	305	1 1/2"	590	550	4.4 - 4.0	65	68	960	930	5.4 - 4.9	95	100
CM 3-4	U2	0.46					2 - 2.4	60				63	3 - 3.6	90			95		
CM 3-6	U1	0.67					6.3 - 5.7	70				73	7.7 - 7	100			105		
CM 3-6	U2	0.65					3.2 - 3.4	65				68	4.8 - 5.4	95			100		
CM 3-8	U1	0.9	865	385	530	310	185	305	2"	590	575	7.7 - 7.1	75	78	960	945	9.4 - 8.7	105	110
CM 3-8	U2	1.2					5.2 - 6	75				78	7.8 - 9	105			110		
CM 5-4	U1	0.67					6.3 - 5.7	70				76	7.7 - 7	100			108		
CM 5-4	U2	0.84					3.2 - 3.8	70				76	4.8 - 5.7	100			108		
CM 5-7	U1	1.3	880	400	545	365	190	250	2 1/2"	625	615	11.9 - 11.3	90	96	990	980	14.6 - 13.9	125	133
CM 5-7	U2	1.58					6.2 - 6.8	90				96	9.3 - 10.2	125			133		
CM 5-9	U1	1.9					15.6 - 14.2	95				-	19.1 - 17.4	130			150		
CM 5-9	U2	2.2					8.1 - 8.8	95				-	12.3 - 13.2	130			150		
CM 10-3	U1	1.9	960	450	615	385	160	230	2 1/2"	625	615	15.6 - 14.2	105	122	990	980	19.1 - 17.4	150	175
CM 10-3	U2	2.2				8.1 - 8.8	105	122				12.3 - 13.2	150	175					
CM 10-4	U2	3.2				13.6 - 12.8	115	122				20.4 - 19.2	165	190					
CM 10-5	U2	3.2				13.6 - 12.8	120	-				20.4 - 19.2	170	190					

