Feature -

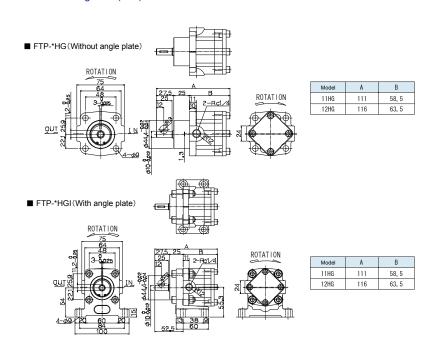
The 1HG pump is for small capacity and mid. pressure. The Max. flow rates are 4.5L/min or less and the Max. discharge pressure is 2.5MPa. Therefore this pump is suitable to feed hydraulic oil and lubricant oil. A relief valve cannot be attached to the HG pump. If a relief valve is required, please use external 2 VBD(see page 33). The rotation direction is counter-clockwize as seen from the shaft end.



Model -



Dimensional diagrams (mm) -



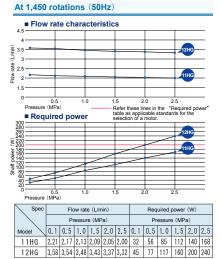
Spec -

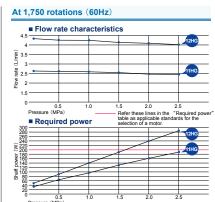
Model	Flow rate per. rev. (ml/rev)	Theoretica (L/n		Max. discharge pressure	Max. revolution (min ⁻¹)	Approx. weight (kg)		
		1500min-1	1800min-1	(MPa)				
11HG	1.5	2. 2	2. 7	2. 5	3000	1.4		
12HG	2. 5	3. 7	4. 5	2. 5	2500	1.5		

ullet The above max. discharge pressure and max. revolution are in combination with ISO-VG46 at 40°C. The rates vary depending on viscosity and temperature.

Performance -

● Test conditions Oil:ISO-VG46 Oil temp.:40°C





Spec	Flow rate (L/min)					Required power (W)						
	Pressure (MPa)						Pressure (MPa)					
Model	0.1	0.5	1.0	1.5	2.0	2.5	0.1	0.5	1.0	1.5	2.0	2.5
11HG	2.67	2.63	2.58	2.54	2.49	2.45	38	65	96	129	160	191
12HG	4.32	4.27	4.21	4.16	4.10	4.04	50	90	140	188	239	285

The required power varies depending on viscosity temp. etc.