

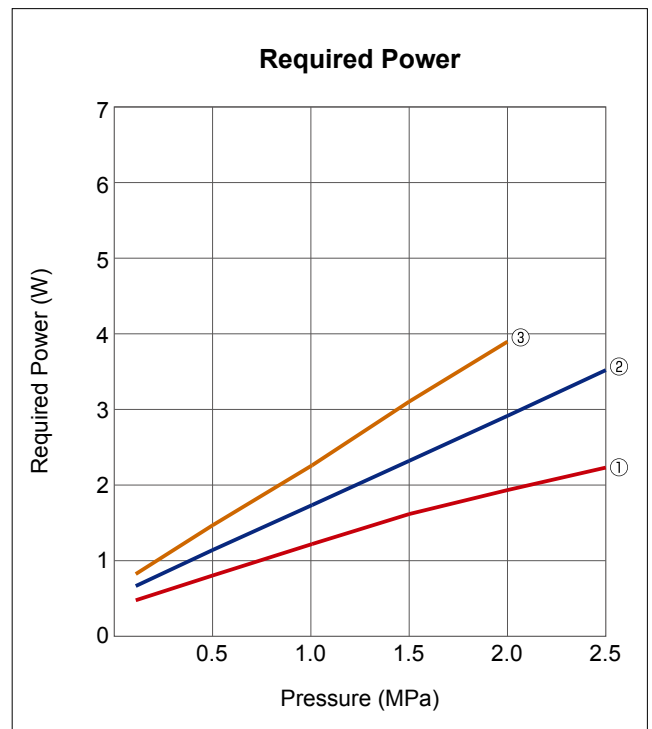
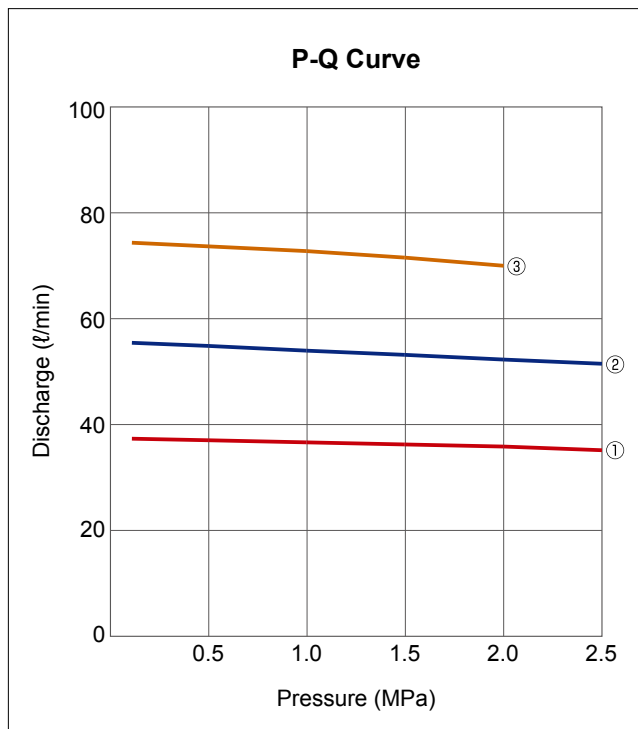
N3F Performance Curve

Test Oil: ISO-VG46 Oil Temperature: 40C (Average)

Note : As the temperature of oil drops in winter, the viscosity also increases and so does the required power. So please be careful as you may not be able to operate the pump near the rated pressure.

1450 min⁻¹

① N320F ② N330F ③ N340F



Model	Item	Discharge (l/min)						Required Power (W)					
		Pressure (MPa)						Pressure (MPa)					
		0.1	0.5	1.0	1.5	2.0	2.5	0.1	0.5	1.0	1.5	2.0	2.5
TOP-N320F		37.2	36.9	36.5	36.1	35.7	35.0	0.45	0.78	1.20	1.60	1.92	2.22
TOP-N330F		55.5	54.9	54.0	53.2	52.3	51.5	0.64	1.12	1.72	2.31	2.91	3.52
TOP-N340F		74.6	73.9	73.0	72.1	70.2		0.80	1.45	2.25	3.10	3.90	

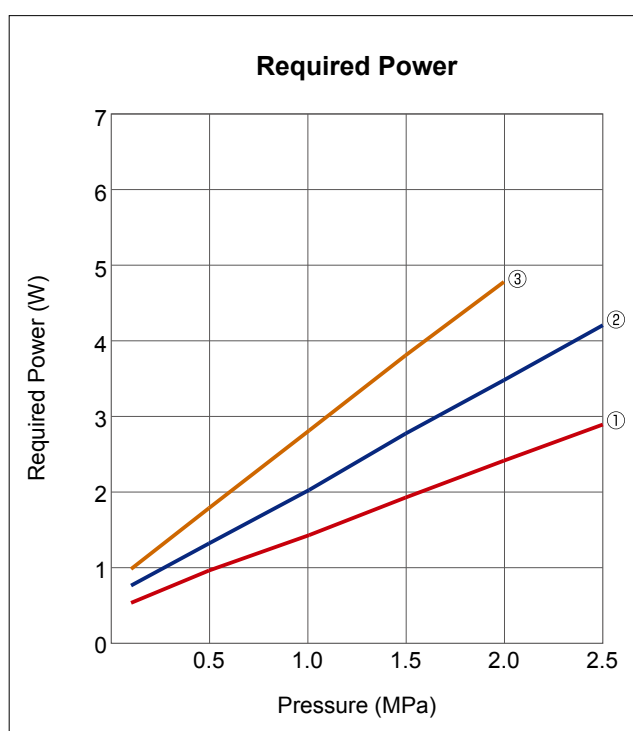
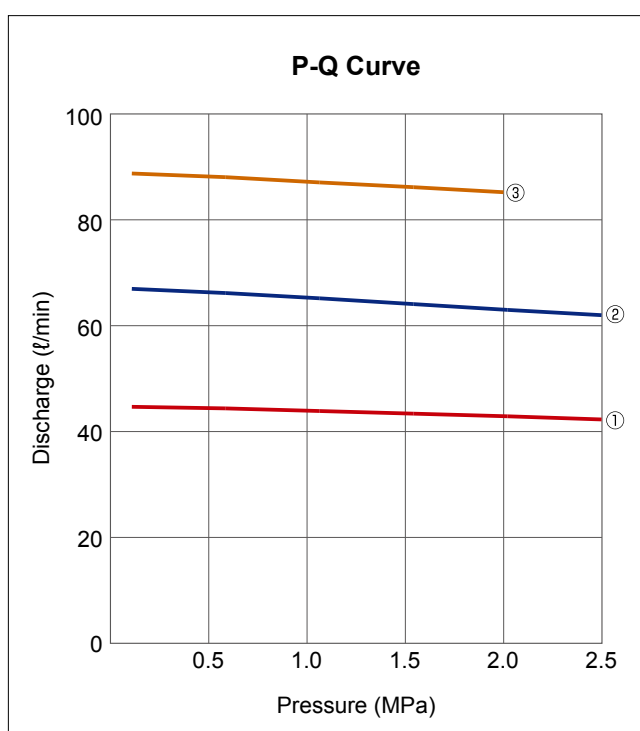
Any disassembly or alteration of the product will void the warranty.

Test Oil: ISO-VG46 Oil Temperature: 40C (Average)

Note : As the temperature of oil drops in winter, the viscosity also increases and so does the required power. So please be careful as you may not be able to operate the pump near the rated pressure.

1750 min⁻¹

① N320F ② N330F ③ N340F



Model \ Item	Discharge (l/min)						Required Power (W)					
	Pressure (MPa)						Pressure (MPa)					
	0.1	0.5	1.0	1.5	2.0	2.5	0.1	0.5	1.0	1.5	2.0	2.5
TOP-N320F	44.9	44.6	44.1	43.6	43.1	42.5	0.55	0.98	1.45	1.95	2.44	2.92
TOP-N330F	67.3	66.5	65.5	64.4	63.3	62.3	0.78	1.34	2.05	2.80	3.51	4.24
TOP-N340F	89.2	88.5	87.5	86.6	85.6	-	1.00	1.81	2.84	3.84	4.82	-