

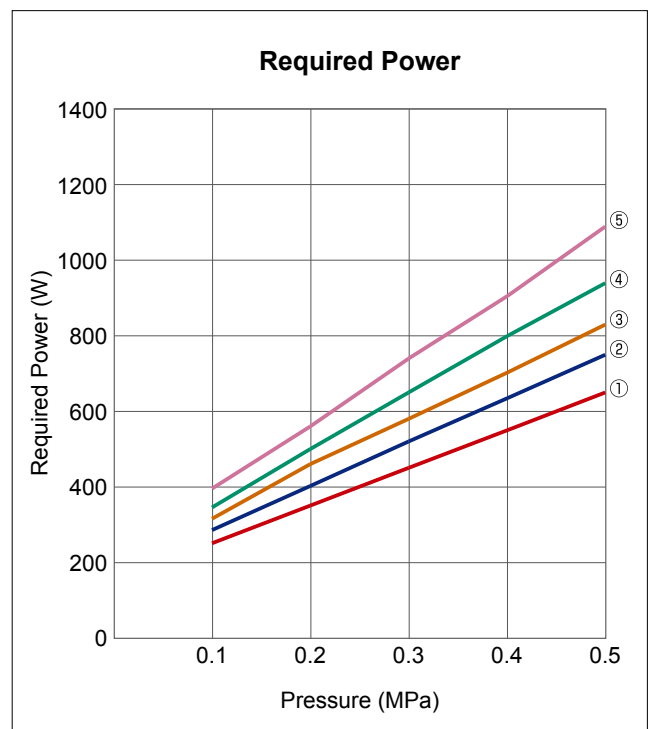
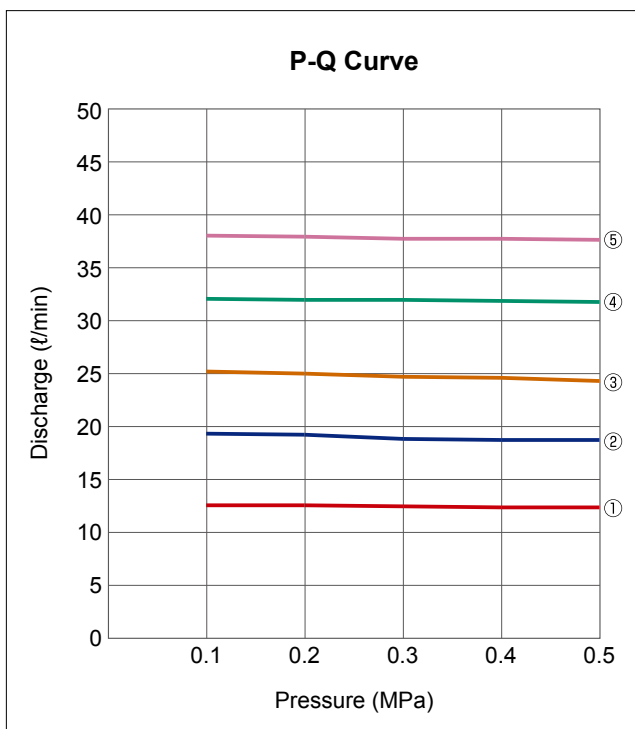
# 3RD Performance Curve

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.

960 min<sup>-1</sup>

① 3RD-10T    ② 3RD-15T    ③ 3RD-20T    ④ 3RD-25T    ⑤ 3RD-30T



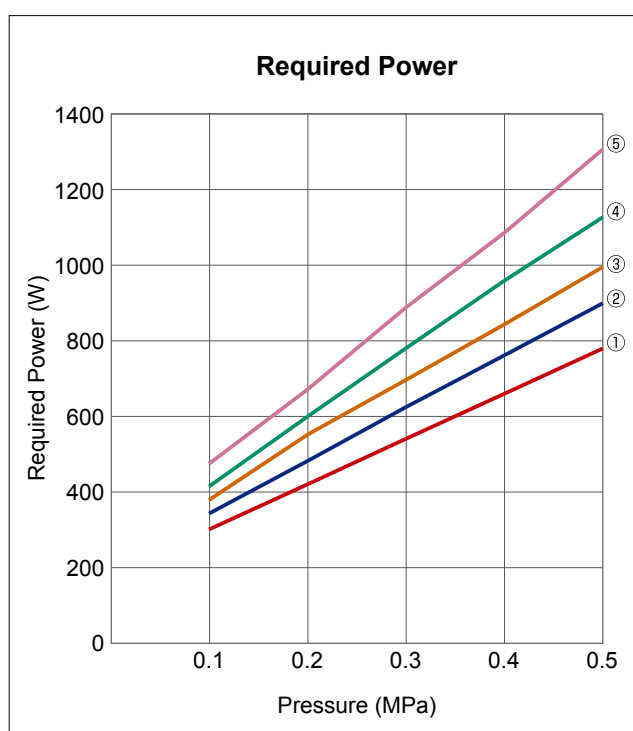
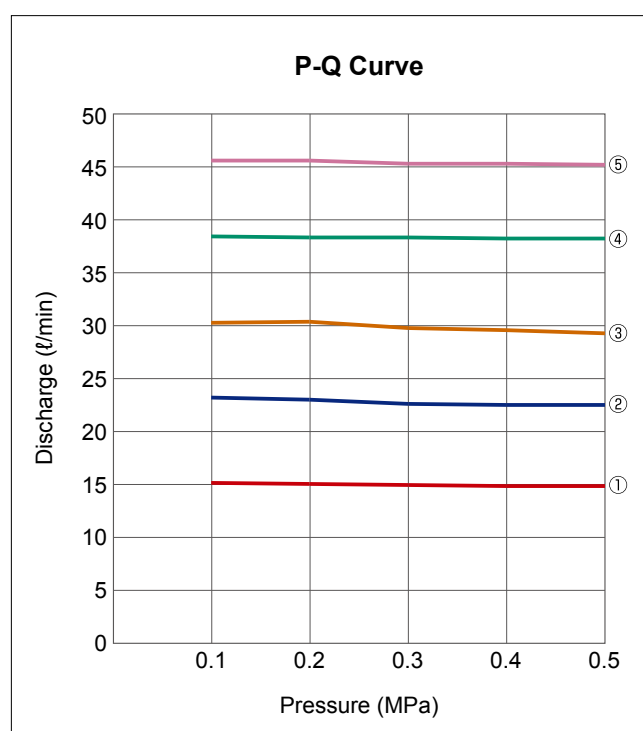
Model	Item	Discharge (l/min)					Required Power (W)				
		Pressure (MPa)					Pressure (MPa)				
		0.1	0.2	0.3	0.4	0.5	0.1	0.2	0.3	0.4	0.5
<b>TOP-3RD-10T</b>		12.5	12.5	12.4	12.3	12.3	250	350	450	550	650
<b>TOP-3RD-15T</b>		19.3	19.2	18.8	18.7	18.7	285	402	520	635	750
<b>TOP-3RD-20T</b>		25.2	25.0	24.7	24.6	24.3	315	460	580	703	830
<b>TOP-3RD-25T</b>		32.1	32.0	32.0	31.9	31.8	345	500	650	800	940
<b>TOP-3RD-30T</b>		38.1	38.0	37.8	37.8	37.7	395	560	740	906	1090

**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.

1160 min<sup>-1</sup>

① 3RD-10T    ② 3RD-15T    ③ 3RD-20T    ④ 3RD-25T    ⑤ 3RD-30T



Model	Item	Discharge (l/min)					Required Power (W)				
		Pressure (MPa)					Pressure (MPa)				
		0.1	0.2	0.3	0.4	0.5	0.1	0.2	0.3	0.4	0.5
<b>TOP-3RD-10T</b>		15.1	15.0	14.9	14.8	14.8	300	420	540	660	780
<b>TOP-3RD-15T</b>		23.2	23.0	22.6	22.5	22.5	342	482	624	762	900
<b>TOP-3RD-20T</b>		30.3	30.4	29.8	29.6	29.3	378	552	696	844	996
<b>TOP-3RD-25T</b>		38.5	38.4	38.4	38.3	38.3	414	600	780	960	1128
<b>TOP-3RD-30T</b>		45.7	45.7	45.4	45.4	45.3	474	672	888	1087	1308

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