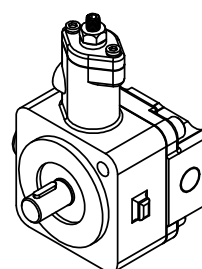
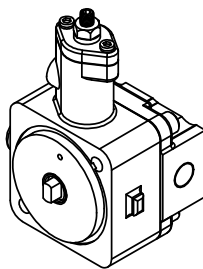


KVDN-8
KVDN-12
KVDN-16
KVDN-21



Features 特點

(A型：馬達端防漏型)

(B型：泵軸端防漏型)

- ❖ Energy efficient high performance up 30~40%(高效高性能)
- ❖ Lightweight, compact design (重量輕, 結構緊湊)
- ❖ Low noise, long life (低噪音, 壽命長)
- ❖ Low heat generation, low temperature rise(低發熱, 低溫升)

Model	Capacity (cm ³ /rev)	Operating Pressure Mpa (Kgf/cm ²)	No-load discharge Rate (L/min)		Input power (HP)	Net Weight (K g)
			50HZ	60HZ		
KVDN-8	8	1.5~ 4.0(15.3~40.8)	12	14.4	1~2	7
		3.5~ 6.0 (35.7~61.2)				
		5.5~ 8.0 (56.1~81.6)				
KVDN-12	12	1.5~ 4.0(15.3~40.8)	18	21.6	1~2	
		3.5~ 6.0 (35.7~61.2)			2~3	
		5.5~ 8.0 (56.1~81.6)			2~3	
KVDN-16	16	1.5~ 4.0(15.3~40.8)	24	28.8	1~2	
		3.5~ 6.0 (35.7~61.2)			2~3	
		5.5~ 8.0 (56.1~81.6)			3~5	
KVDN-21	21	1.5~ 4.0(15.3~40.8)	31.5	37.8	2~3	
		3.5~ 6.0 (35.7~61.2)			3~5	
		5.5~ 8.0 (56.1~81.6)			3~5	

Ordering Code 訂購指引

KVDN - 8 - A - 3 - 1 - A

① ② ③ ④ ⑤ ⑥

① KVDN Series Uni-pump

② Displacement (cm³/rev) : 8 , 12 , 16 , 21

③ A : Motor-Side leak-proof(馬達端防漏型)
B : Pump-Side leak-proof(泵軸端防漏型)

④ Pressure adjustment range
2 : 15 ~ 40 (kgf/cm²)
3 : 35 ~ 61 (kgf/cm²)
4 : 56 ~ 80 (kgf/cm²)

⑤ Shaft Type

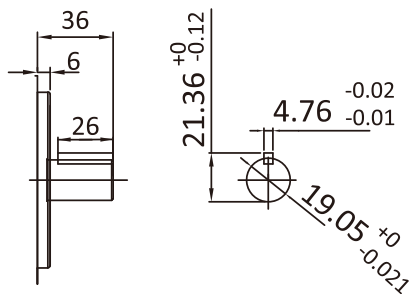
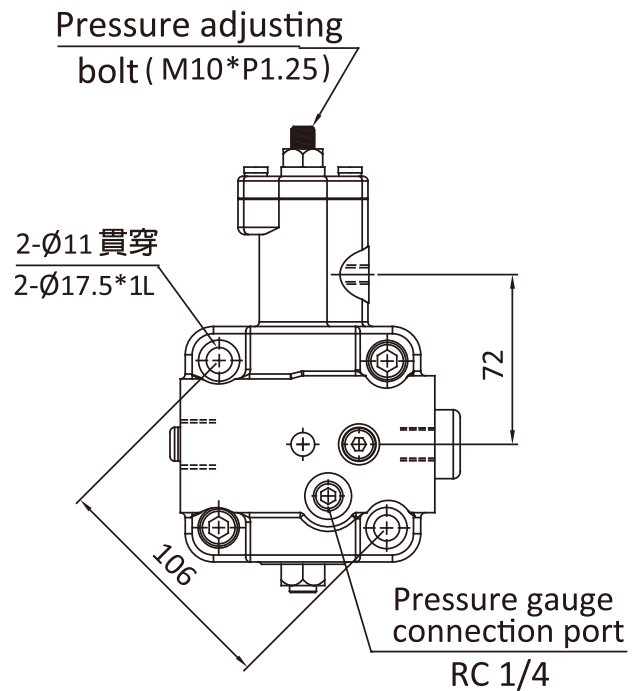
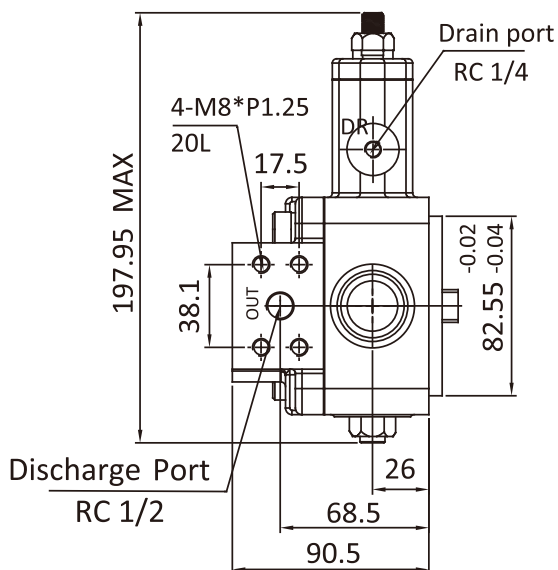
1 : 長鍵 3 : Splined
2 : 一字鍵 4 : 長鍵

⑥ Type of Suction Port & Discharge Port

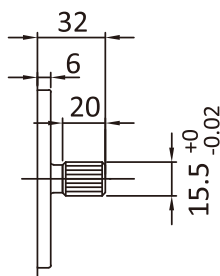
A or No : RC
B : NPT
C : SAE
D : BSP

KVDN-8 KVDN-12 KVDN-16 KVDN-21

Motor-side leak-proof(馬達端防漏型 KVDN-*-A-*)



NO : 01 - Shaft

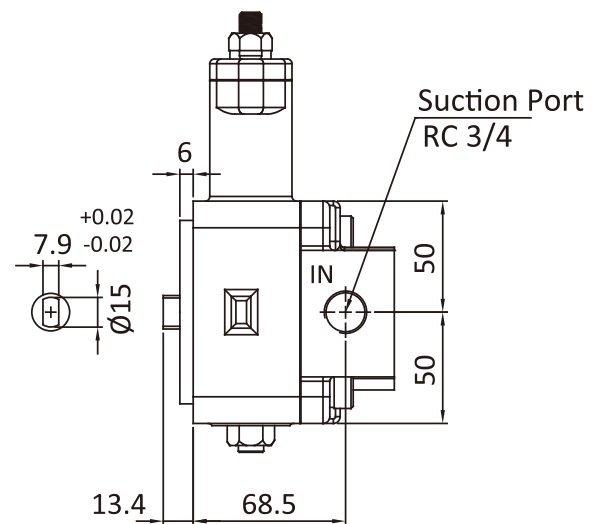


Diametral Pitch : 16/32

Pressure Angle : 30°

No. of Teeth : 9

NO.03-Shaft



NO : 02 - Shaft

Pump-side leak-proof (泵端防漏型 KVDN-*-B-*)

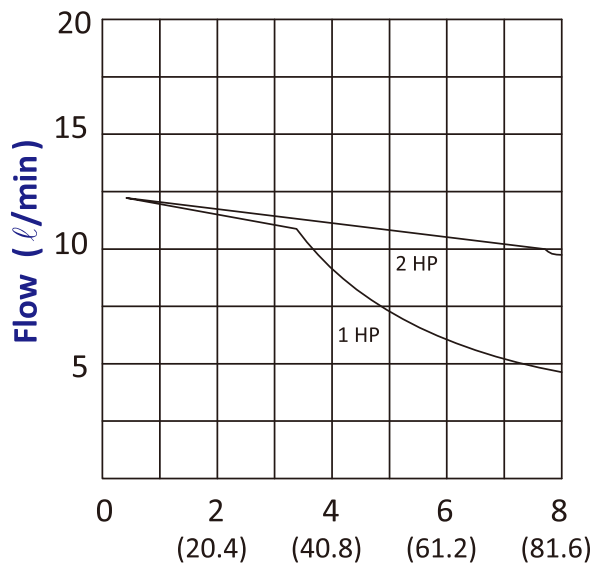


Motor Hp selection curves

select a uni-pump that has a Pressure and flow rate that is within the range of the drive so that the drive will not overload

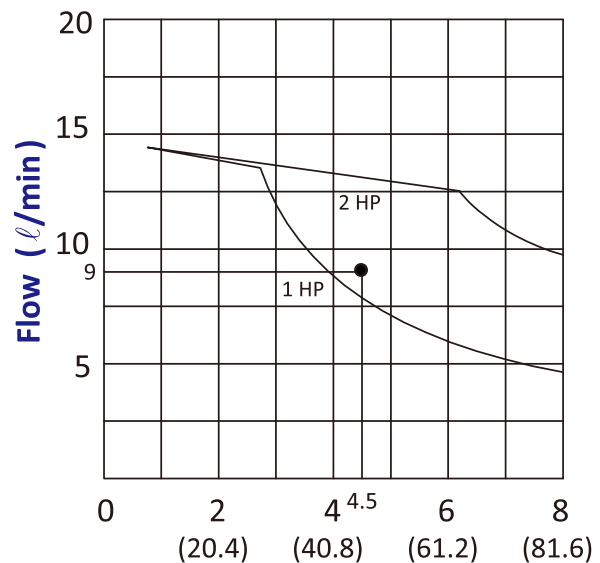
Example: $Q = 9 \text{ l/min}$, $P = 4.5 \text{ Mpa}$ must be used 2HP motor

KVDN - 8 - * - * (1500rpm)



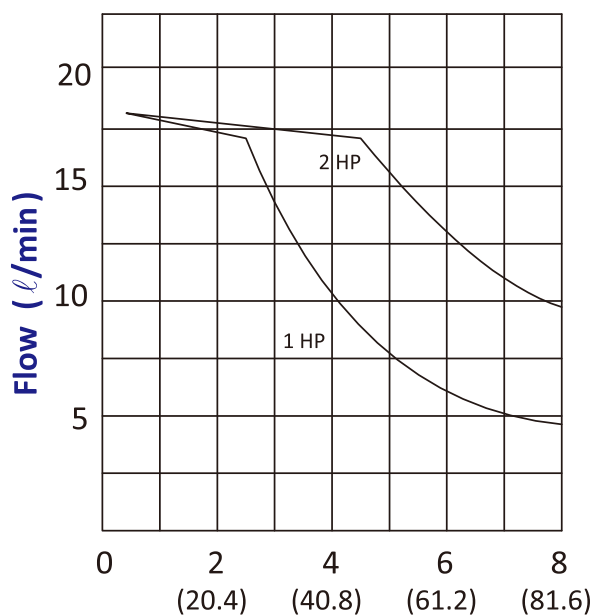
Pressure Mpa (Kgf/cm²)

KVDN - 8 - * - * (1800rpm)



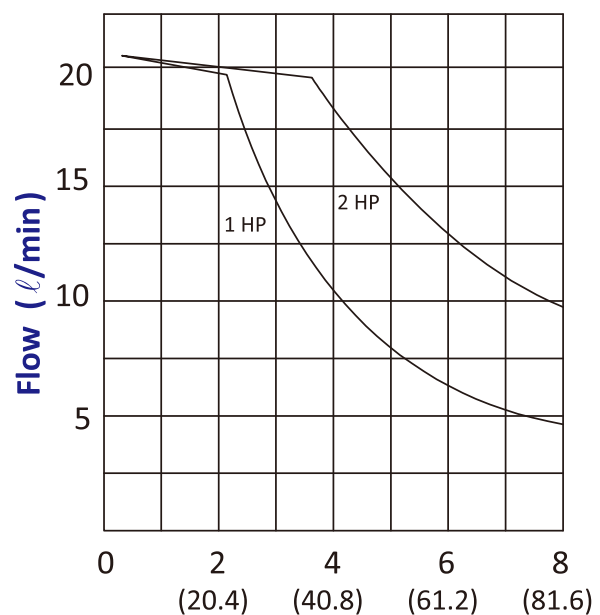
Pressure Mpa (Kgf/cm²)

KVDN - 12 - * - * (1500rpm)



Pressure Mpa (Kgf/cm²)

KVDN - 12 - * - * (1800rpm)



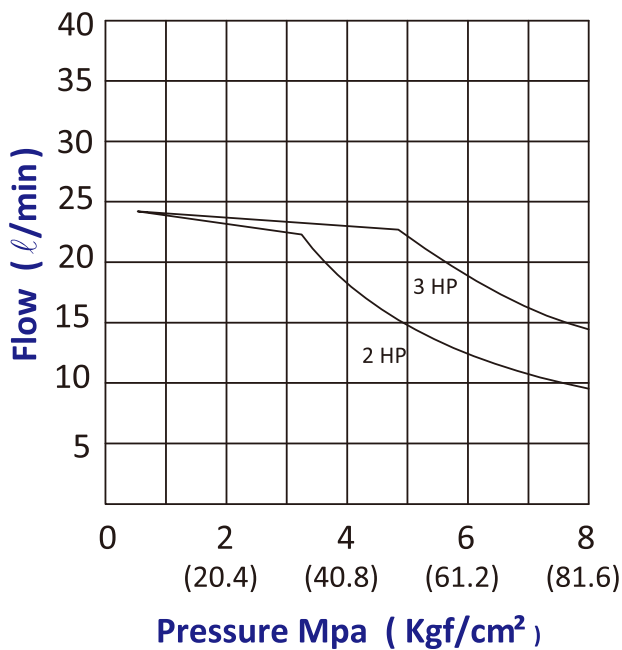
Pressure Mpa (Kgf/cm²)

Motor Hp selection curves

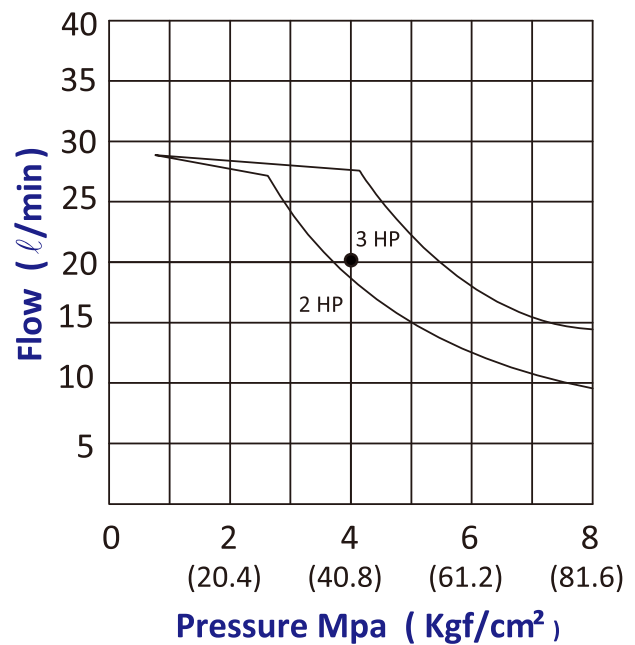
select a uni-pump that has a Pressure and flow rate that is within the range of the drive so that the drive will not overload

Example: $Q = 20 \text{ l/min}$, $P = 4.0 \text{ Mpa}$ must be used 3HP motor

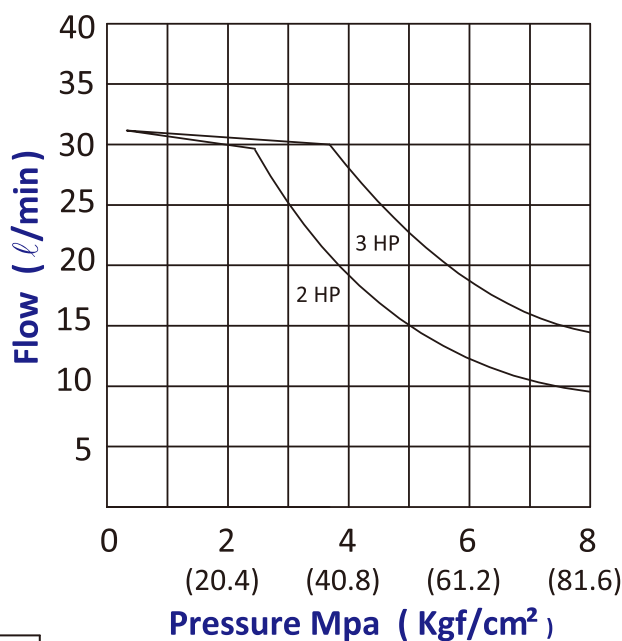
KVDN - 16 - * - * (1500rpm)



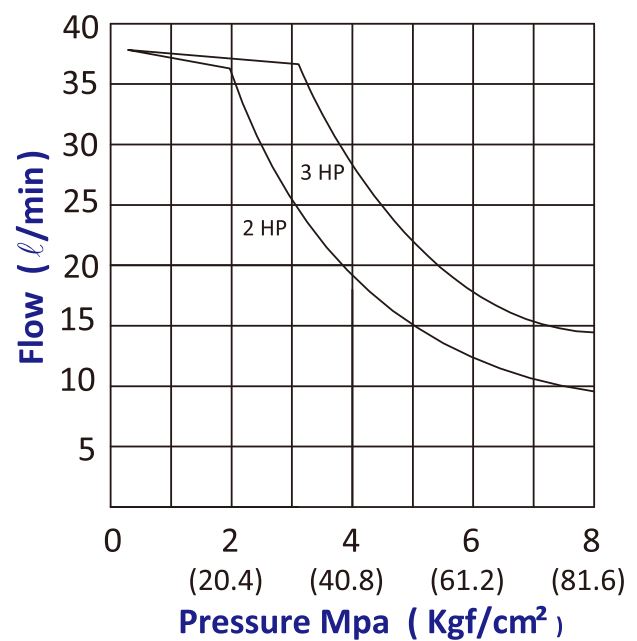
KVDN - 16 - * - * (1800rpm)



KVDN - 21 - * - * (1500rpm)

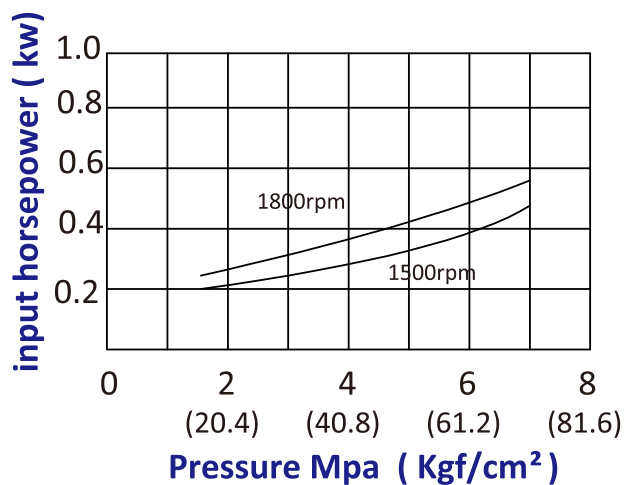


KVDN - 21 - * - * (1800rpm)

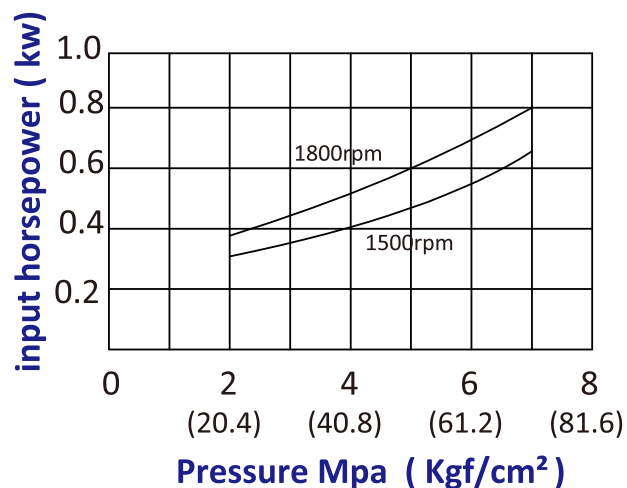


Deadhead input horsepower

KVDN - 8 / 12 - * - *

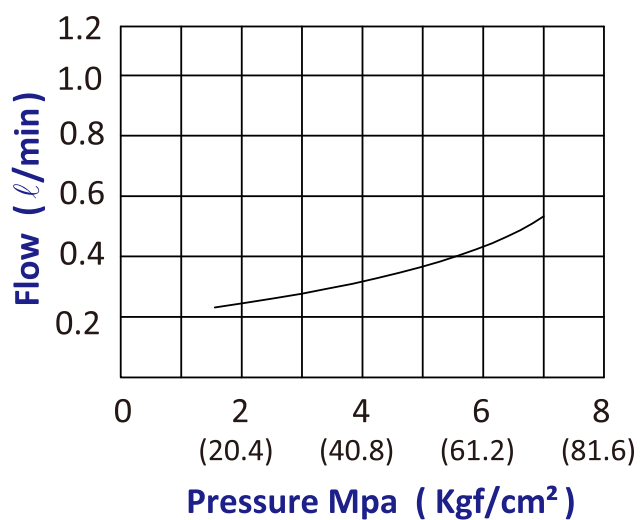


KVDN - 16 / 21 - * - *

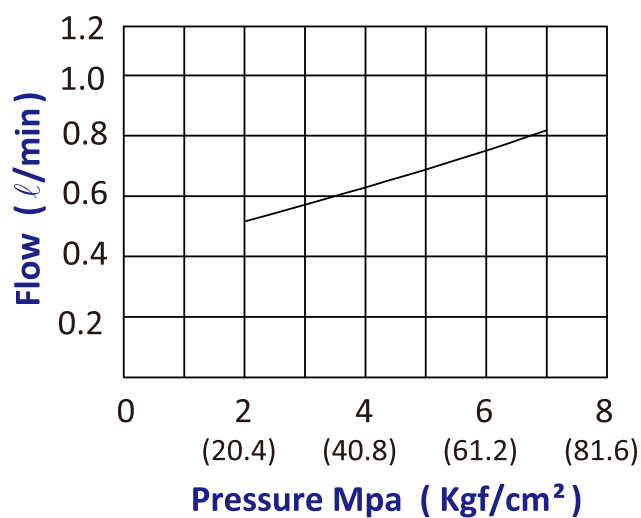


Deadhead drain volume

KVDN - 8 / 12 - * - *

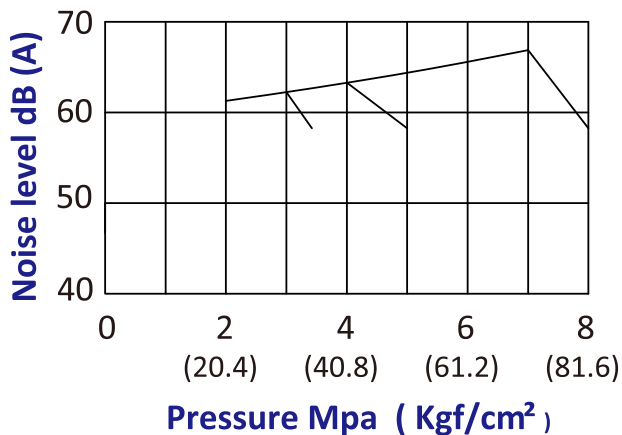


KVDN - 16 / 21 - * - *

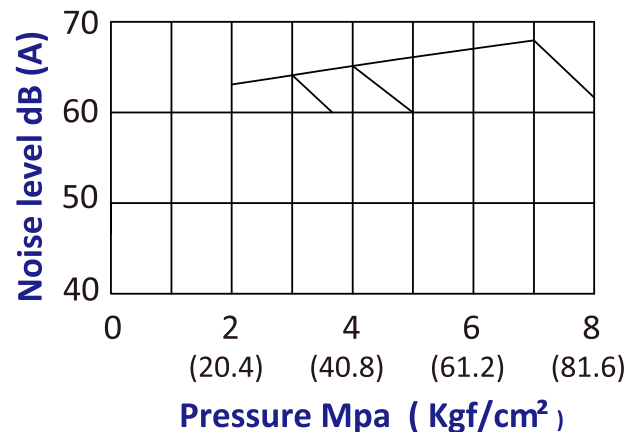


Noise characteristics

KUVN-8/12-* -4- 2 -4-A-10
(2HP*4P @1800 rpm)

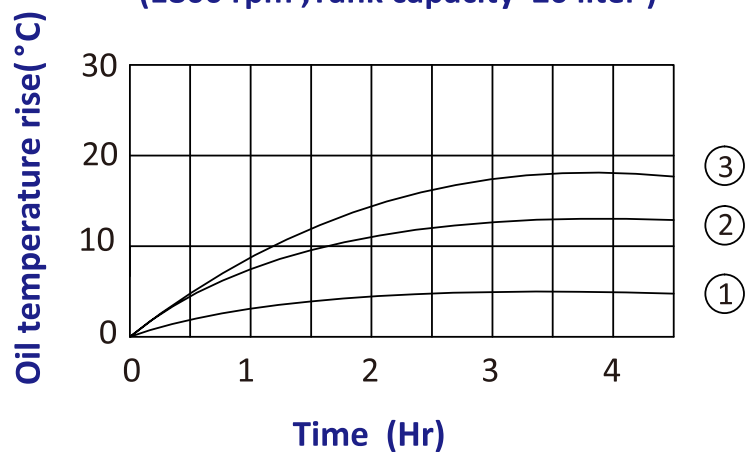


KUVN-16/21-* -4- 3 -4-A-10
(3HP*4P @1800 rpm)



Oil temperature rise characteristics

KUVN-16-* -4- * -4-A-10
(1800 rpm ,Tank capacity 20 liter)

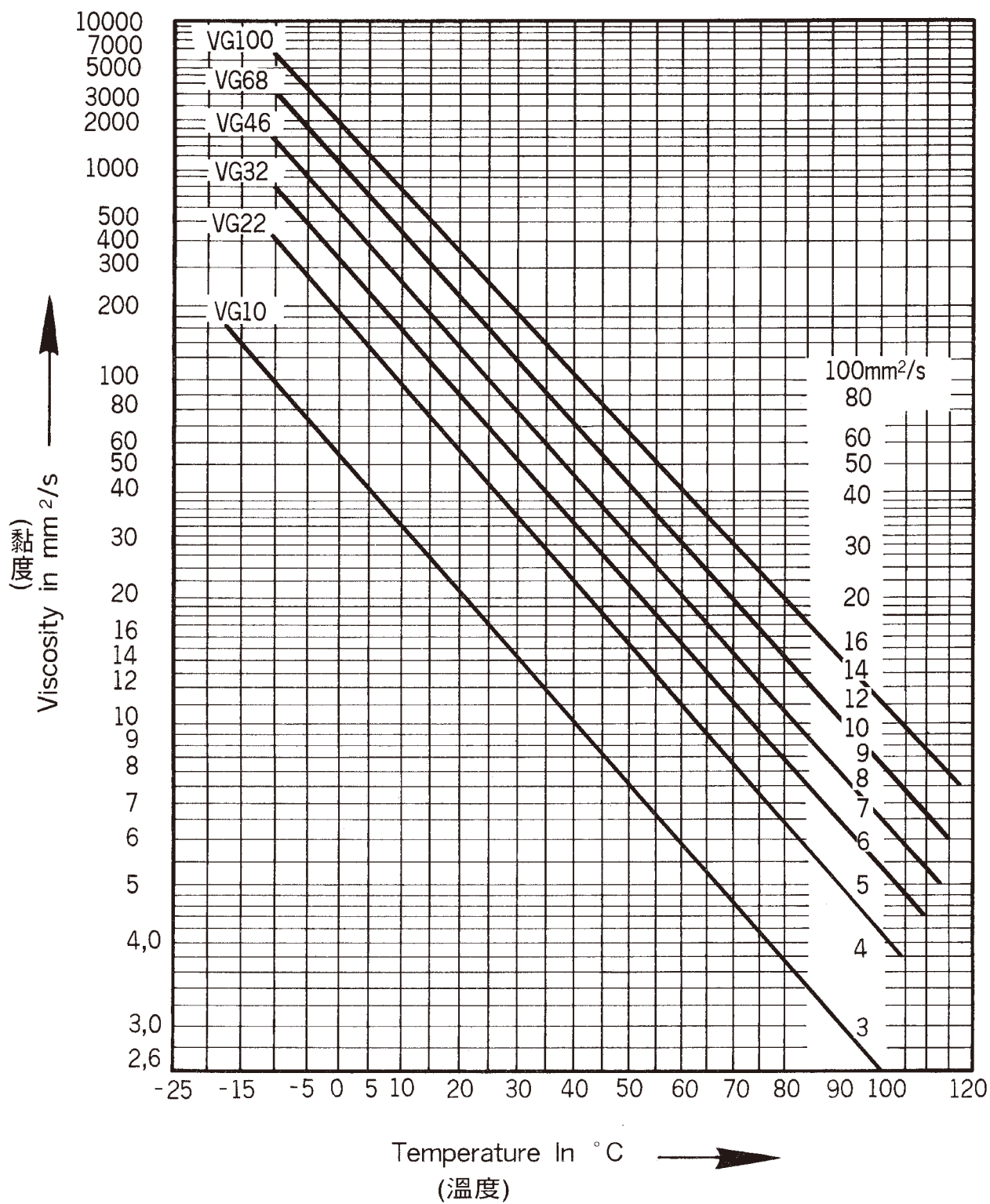


PS:

- ③ cutoff Pressure 7.0 Mpa (71.4 Kgf/cm²)
- ② cutoff Pressure 5.0 Mpa (51.0 Kgf/cm²)
- ① cutoff Pressure 3.5 Mpa (35.7 Kgf/cm²)

Viscosity - Temperature Diagram

作動油黏度與溫度關係表



Piping Diameter - Fluid Transmisson - Flow Volume Drawing

使用管徑與流速關係表

