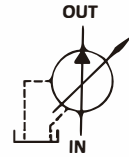
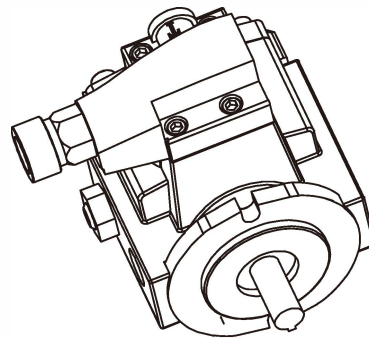


**KPV-8**  
**KPV-12**  
**KPV-16**  
**KPV-20**  
**KPV-23**



SYMBOL

### Features 特點

- ❖ 壓力板作耐磨, 耐疲勞及抗污處理, 大幅提高耐磨, 耐疲勞及高抗污性能。
- ❖ 固定及活動雙軸環設計, 內軸環作動滑順靈敏, 穩定性高。
- ❖ 作衝擊壓消除補償設計, 脈動衝擊小。
- ❖ 噪音低, 高效率, 高性能。
- ❖ 軸環材質採用特殊合金鋼, 壽命長。
- ❖ 採用SAE規格安裝, 符合國際通用規格。

Model	Pump Capacity (cm <sup>3</sup> /rev)	Operating Pressure Mpa (Kgf/cm <sup>2</sup> )	Max Pressure Mpa (Kgf/cm <sup>2</sup> )	No-load Discharge Rate (L/min)		Weight (Kg)
				50Hz	60Hz	
<b>KPV- 8</b>	8	1.5~25 (15.3~255)	25 (255)	12	14.4	16
<b>KPV-12</b>	12			18	21.6	
<b>KPV-16</b>	16			24	28.8	
<b>KPV-20</b>	20			30	36.0	
<b>KPV-23</b>	23			34.5	41.4	

### Ordering Code 訂購指引

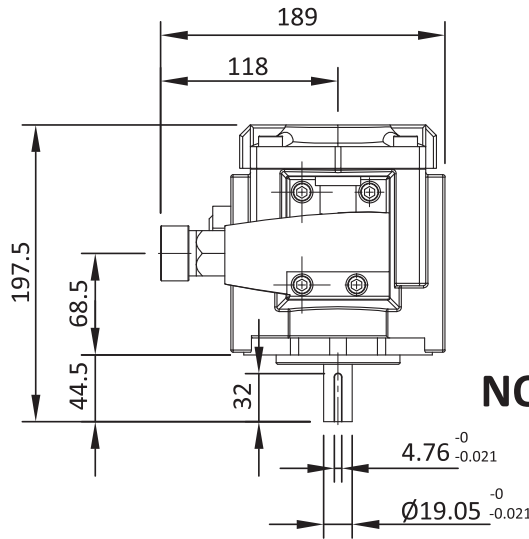
**KPV - 16 - F - 1 - A 12 - 01 - 01**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

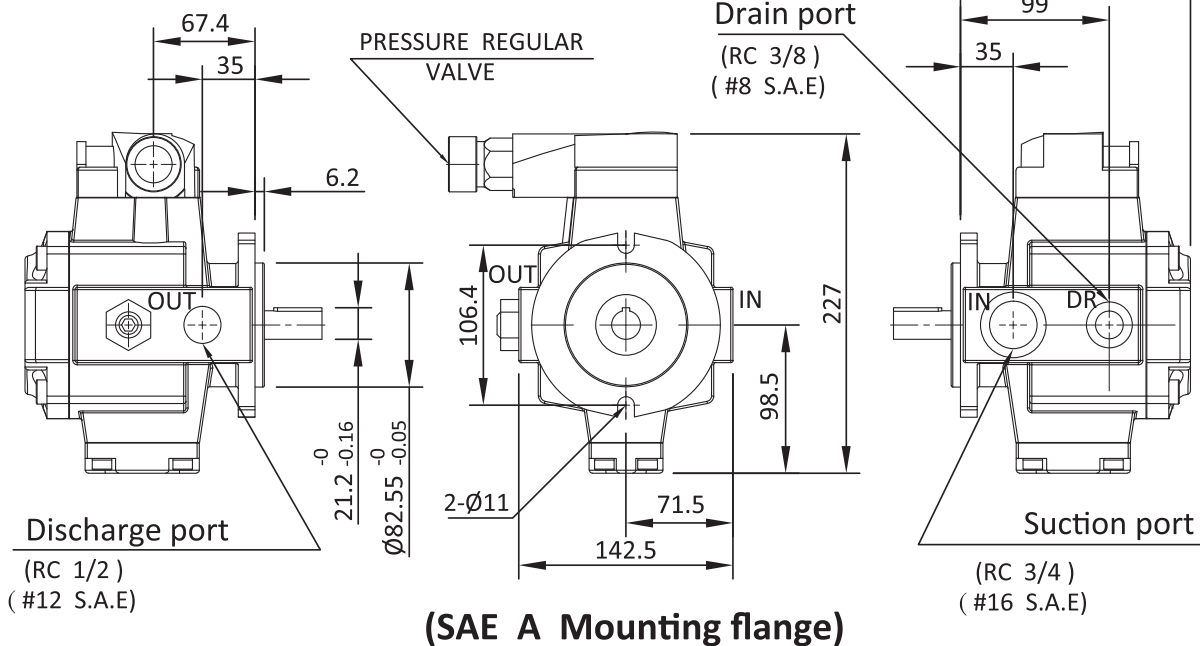
- ① **KPV 型號**：高壓變量葉片泵
- ② **流量 (cm<sup>3</sup>/rev)**：8, 12, 16, 20, 23
- ③ **F**：單座壓力閥
- ④ **壓力級數**
  - 1：1.5~14 Mpa ( 15.3~142.8 Kgf/cm<sup>2</sup> )
  - 2：2.0~21 Mpa ( 20.4~214.2 Kgf/cm<sup>2</sup> )
  - 3：2.5~25 Mpa ( 25.5~255.0 Kgf/cm<sup>2</sup> )
- ⑤ **A**：SAE-A 規格，Ø82.55 安裝

- ⑥ **轉速**
  - 12：1200 rpm
  - 15：1500 rpm
  - 18：1800 rpm
- ⑦ **轉軸**
  - 01：Ø19.05 (長鍵)
  - 02：SAE-A - 9 Tooth Splined 16/32 dp
- ⑧ **管口牙規格**
  - 01：S=RC ¾, P=RC ½, DR=RC ⅜
  - 02：S=#16 SAE, P=#12 SAE, DR=#8 SAE

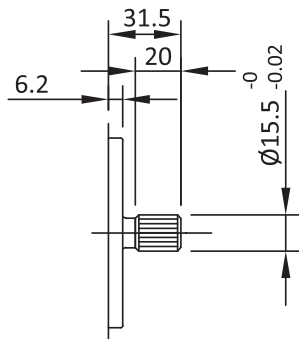
**KPV-8**  
**KPV-12**  
**KPV-16**  
**KPV-20**  
**KPV-23**



**NO.01-Shaft**

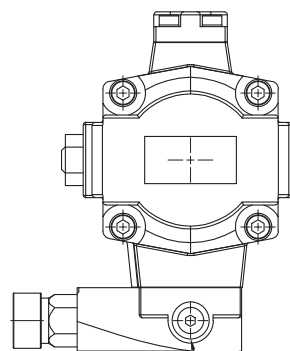


**(SAE A Mounting flange)**



Diametral Pitch : 16/32  
 Pressure Angle : 30°  
 No. of Teeth : 9  
 Available on "A" Cover only

**NO.02-Shaft**



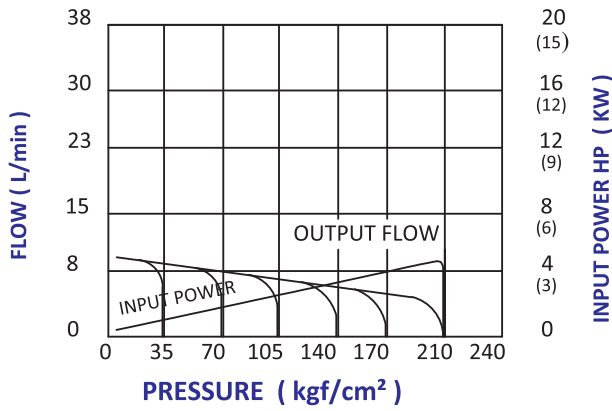
\*Shock Clipper port  
 Should be plumbed  
 to tank to activate  
 shock clipper

**Shock Clipper port**

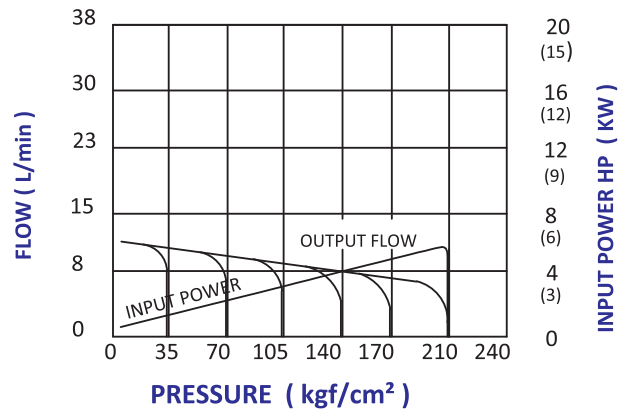
(RC 1/4) , ( #6 S.A.E)

\* (須接獨立油管回油箱)

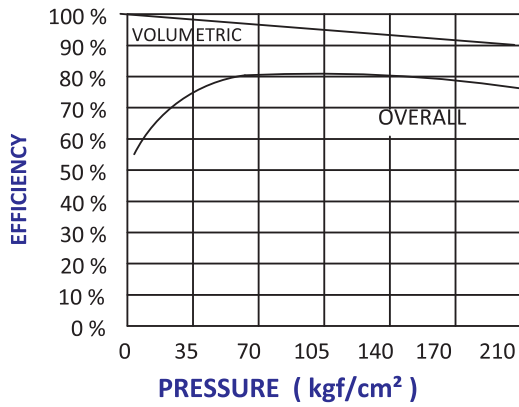
**OUTPUT FLOW & POWER @ 1200rpm**  
8 cm<sup>3</sup>/rev



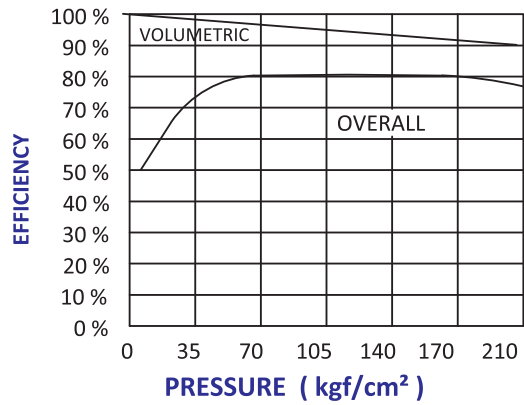
**OUTPUT FLOW & POWER @ 1500rpm**  
8 cm<sup>3</sup>/rev



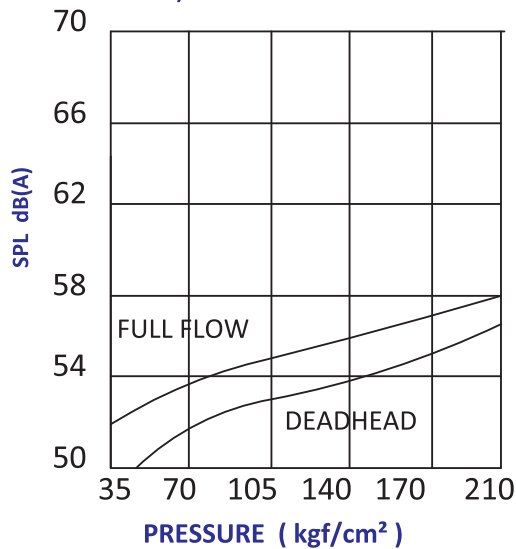
**EFFICIENCY @ 1200 rpm**  
8 cm<sup>3</sup>/rev



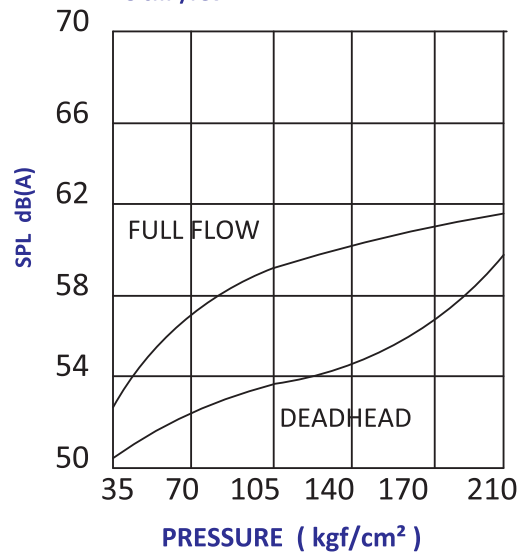
**EFFICIENCY @ 1500 rpm**  
8 cm<sup>3</sup>/rev



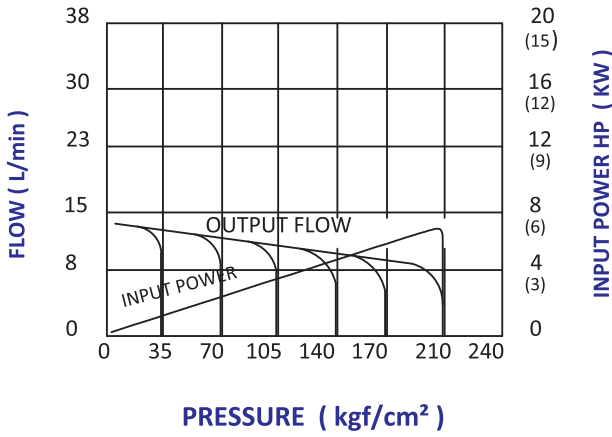
**SOUND PRESSURE @ 1200rpm**  
8 cm<sup>3</sup>/rev



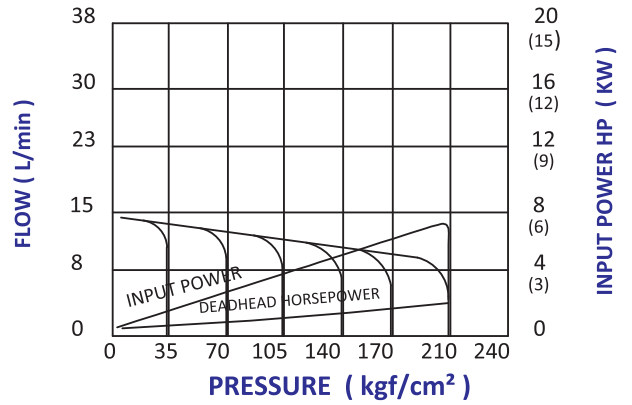
**SOUND PRESSURE @ 1500rpm**  
8 cm<sup>3</sup>/rev



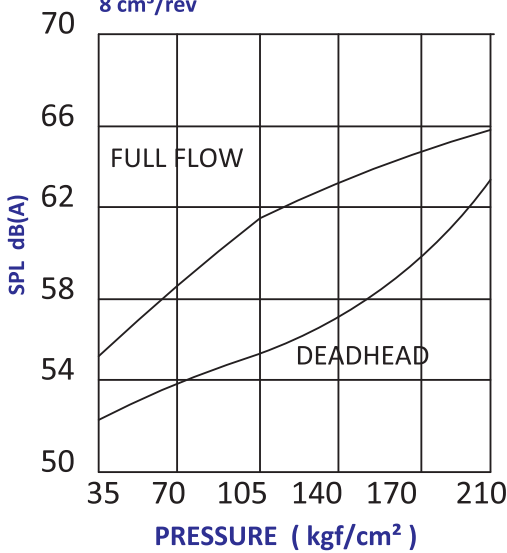
**OUTPUT FLOW & POWER @ 1800rpm**  
8 cm<sup>3</sup>/rev



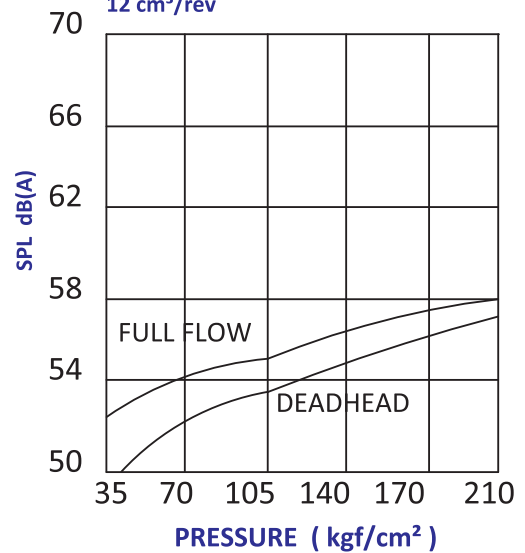
**OUTPUT FLOW & POWER @ 1200rpm**  
12 cm<sup>3</sup>/rev



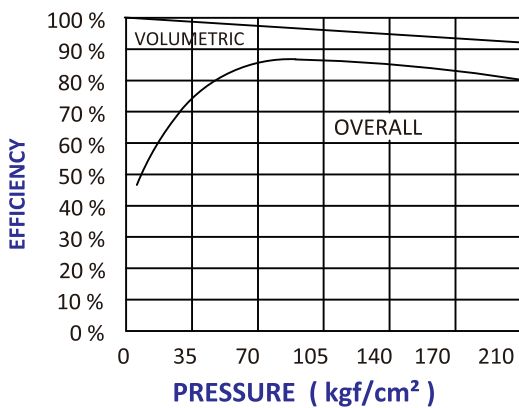
**SOUND PRESSURE @ 1800rpm**  
8 cm<sup>3</sup>/rev



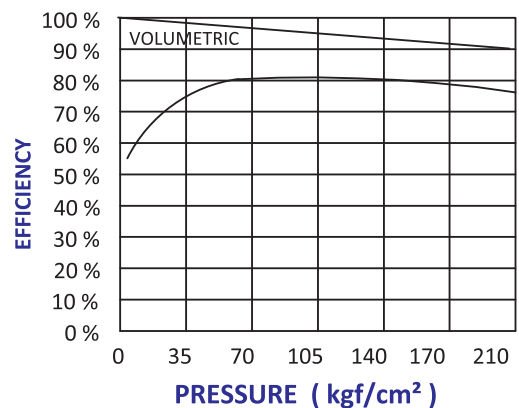
**SOUND PRESSURE @ 1200rpm**  
12 cm<sup>3</sup>/rev



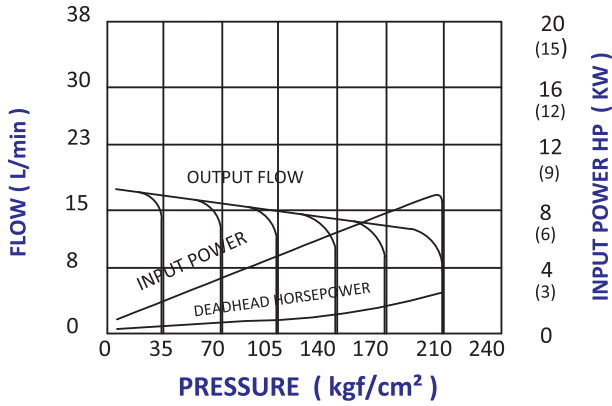
**EFFICIENCY @ 1800 rpm**  
8 cm<sup>3</sup>/rev



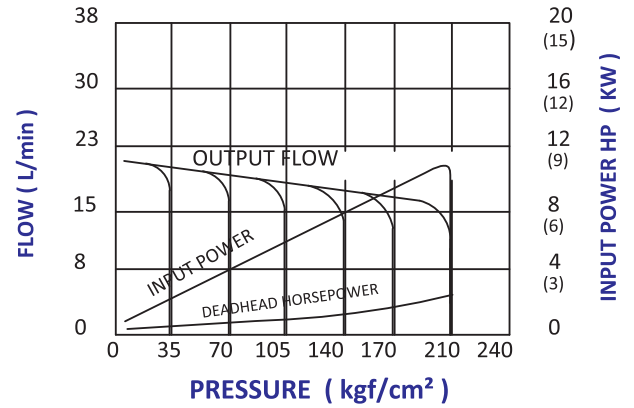
**EFFICIENCY @ 1200 rpm**  
12 cm<sup>3</sup>/rev



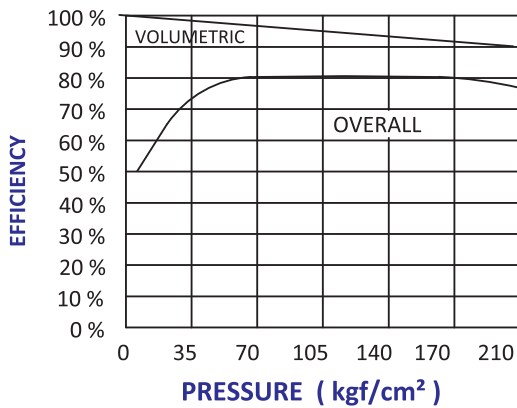
**OUTPUT FLOW & POWER @ 1500rpm**  
12 cm<sup>3</sup>/rev



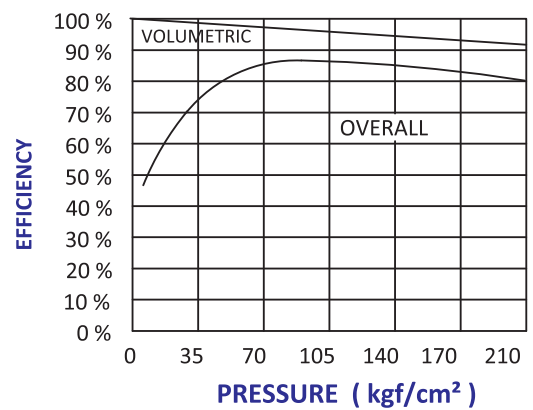
**OUTPUT FLOW & POWER @ 1800rpm**  
12 cm<sup>3</sup>/rev



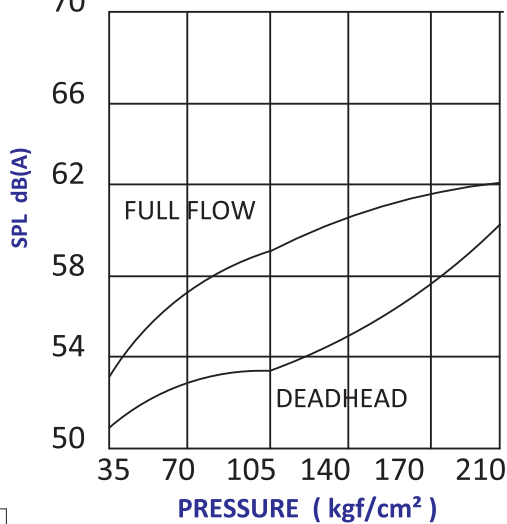
**EFFICIENCY @ 1500 rpm**  
12 cm<sup>3</sup>/rev



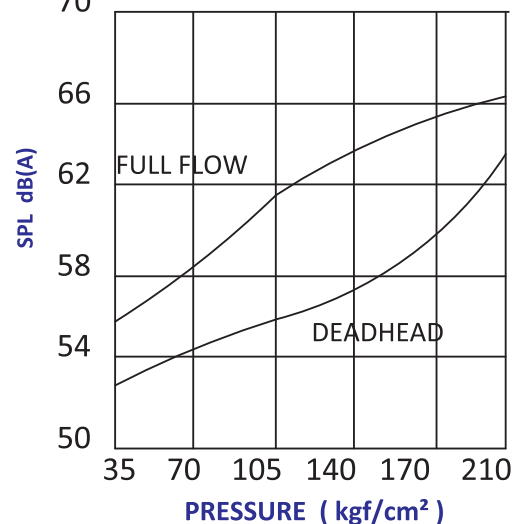
**EFFICIENCY @ 1800 rpm**  
12 cm<sup>3</sup>/rev



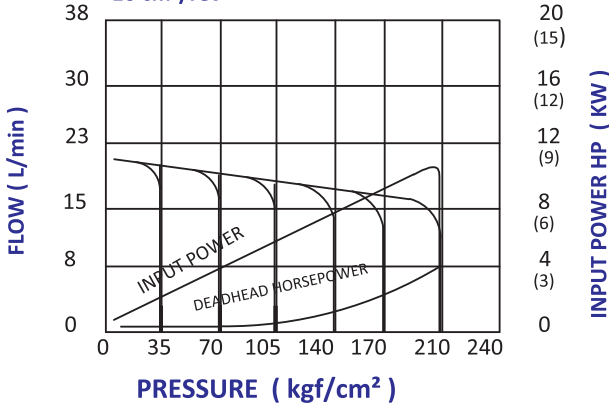
**SOUND PRESSURE @ 1500rpm**  
12 cm<sup>3</sup>/rev



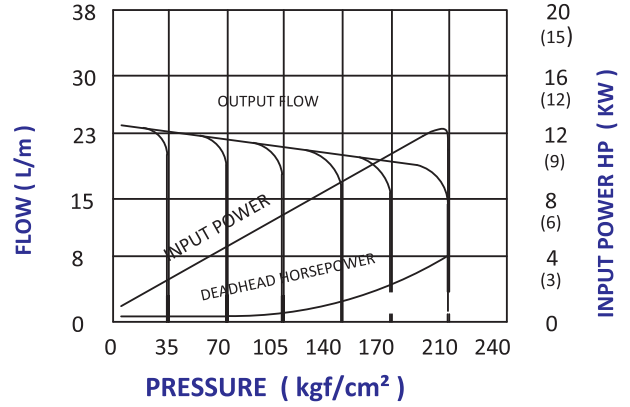
**SOUND PRESSURE @ 1800rpm**  
12 cm<sup>3</sup>/rev



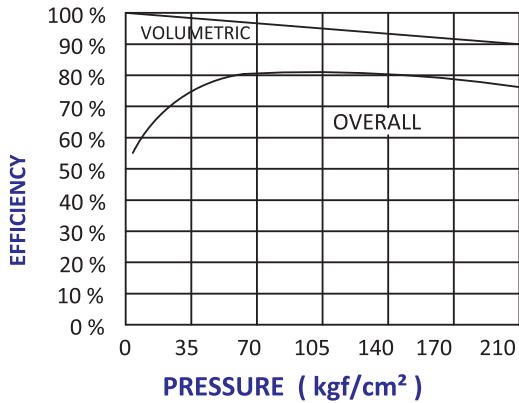
**OUTPUT FLOW & POWER @ 1200rpm**  
16 cm<sup>3</sup>/rev



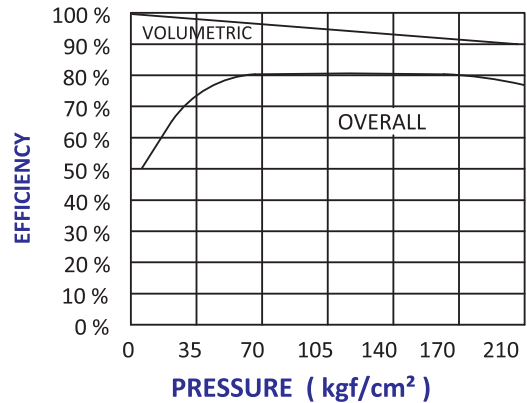
**OUTPUT FLOW & POWER @ 1500rpm**  
16 cm<sup>3</sup>/rev



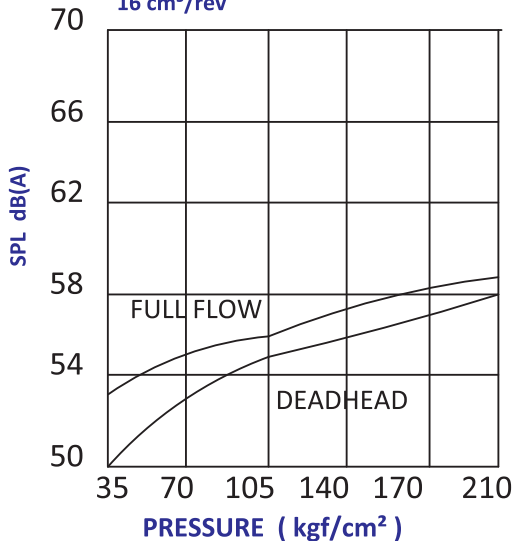
**EFFICIENCY @ 1200 rpm**  
16 cm<sup>3</sup>/rev



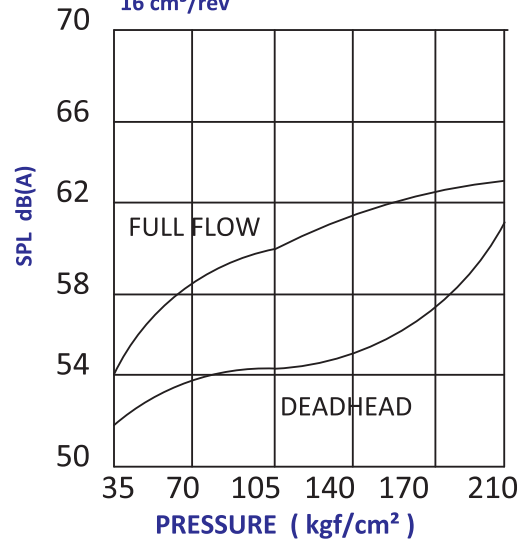
**EFFICIENCY @ 1500 rpm**  
16 cm<sup>3</sup>/rev



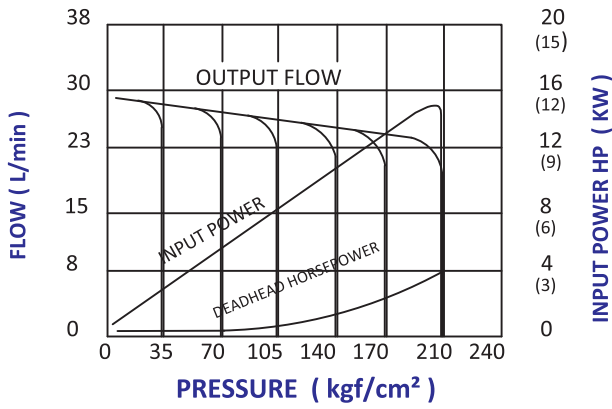
**SOUND PRESSURE @ 1200rpm**  
16 cm<sup>3</sup>/rev



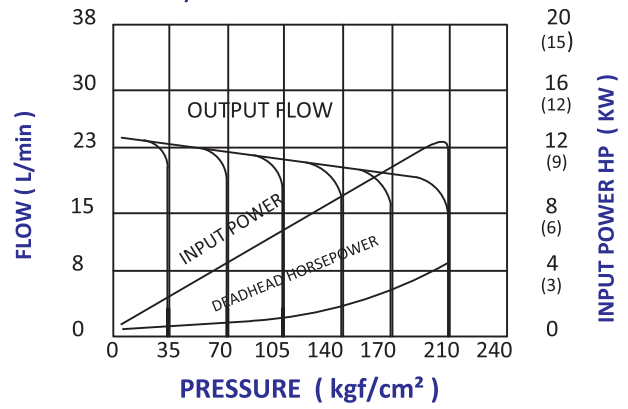
**SOUND PRESSURE @ 1500rpm**  
16 cm<sup>3</sup>/rev



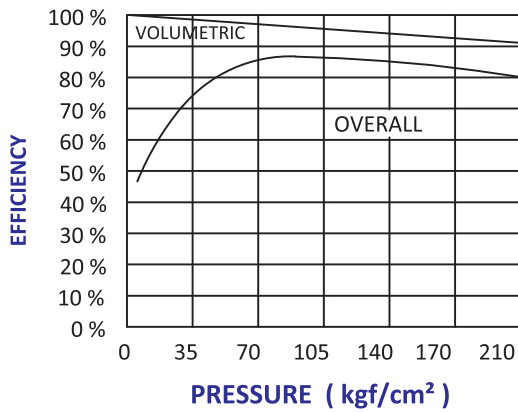
**OUTPUT FLOW & POWER @ 1800rpm**  
16 cm<sup>3</sup>/rev



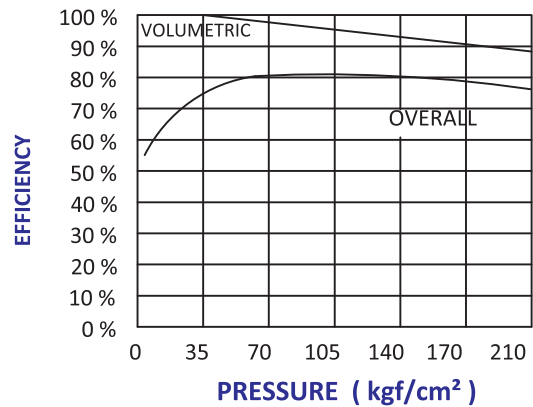
**OUTPUT FLOW & POWER @ 1200rpm**  
20 cm<sup>3</sup>/rev



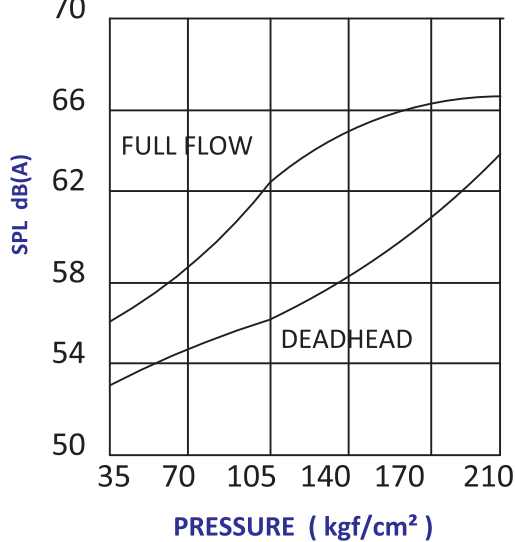
**EFFICIENCY @ 1800 rpm**  
16 cm<sup>3</sup>/rev



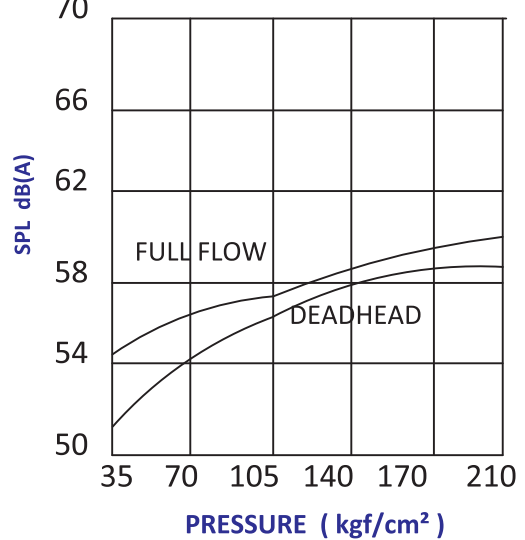
**EFFICIENCY @ 1200 rpm**  
20 cm<sup>3</sup>/rev



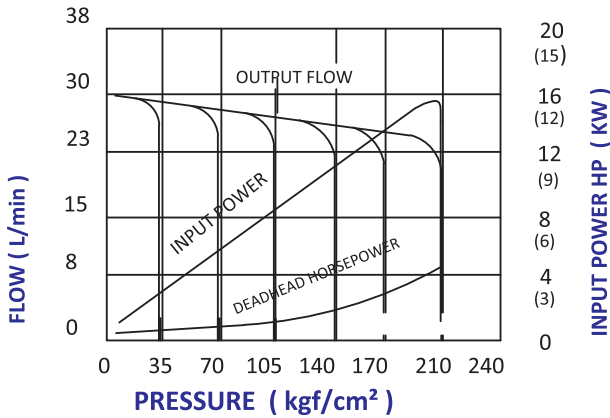
**SOUND PRESSURE @ 1800rpm**  
16 cm<sup>3</sup>/rev



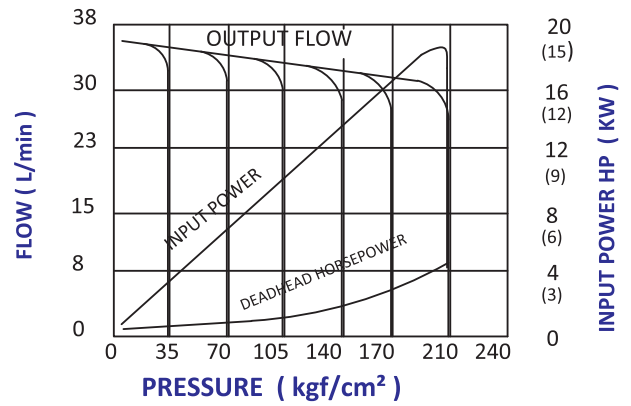
**SOUND PRESSURE @ 1200rpm**  
20 cm<sup>3</sup>/rev



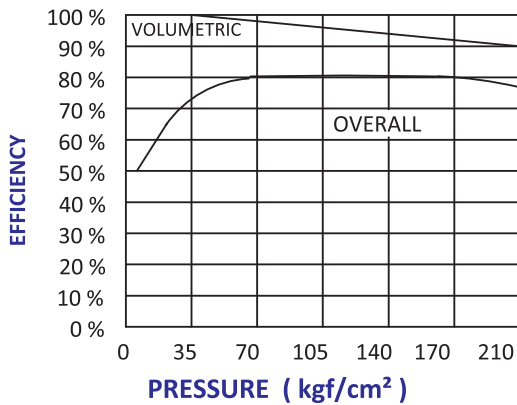
**OUTPUT FLOW & POWER @ 1500rpm**  
20 cm<sup>3</sup>/rev



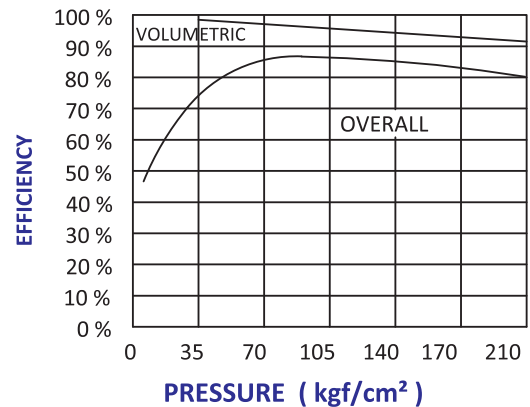
**OUTPUT FLOW & POWER @ 1800rpm**  
20 cm<sup>3</sup>/rev



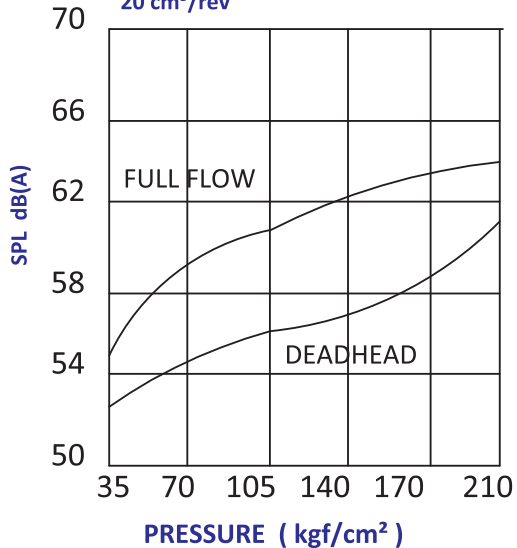
**EFFICIENCY @ 1500 rpm**  
20 cm<sup>3</sup>/rev



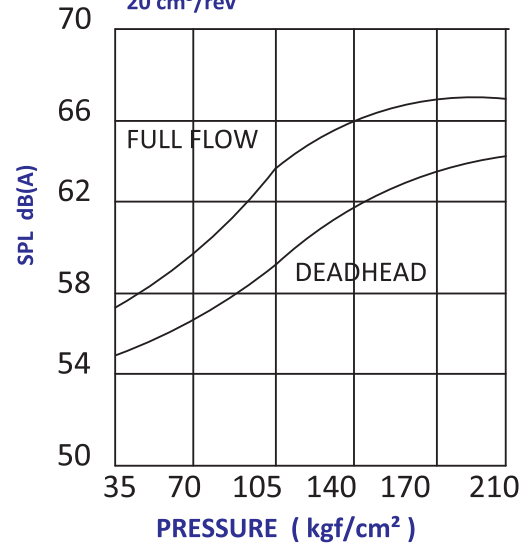
**EFFICIENCY @ 1800 rpm**  
20 cm<sup>3</sup>/rev



**SOUND PRESSURE @ 1500rpm**  
20 cm<sup>3</sup>/rev

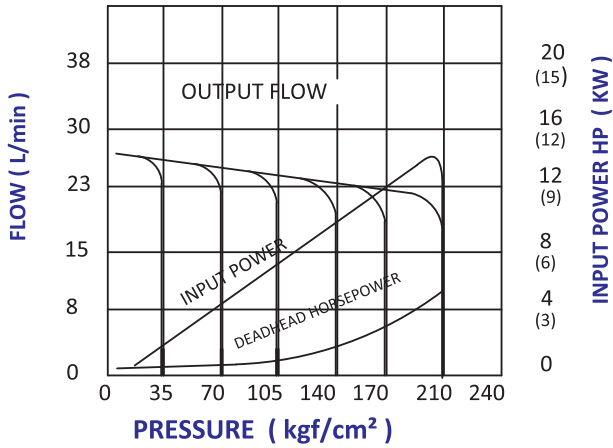


**SOUND PRESSURE @ 1800rpm**  
20 cm<sup>3</sup>/rev

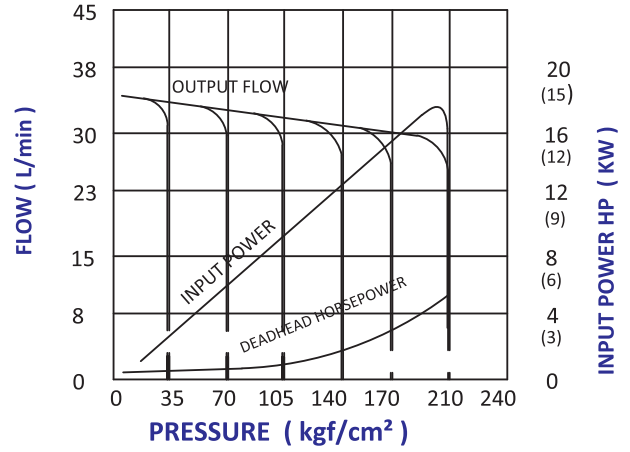




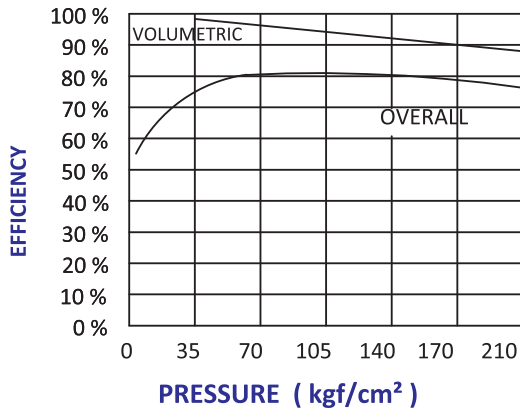
**OUTPUT FLOW & POWER @ 1200rpm**  
23 cm<sup>3</sup>/rev



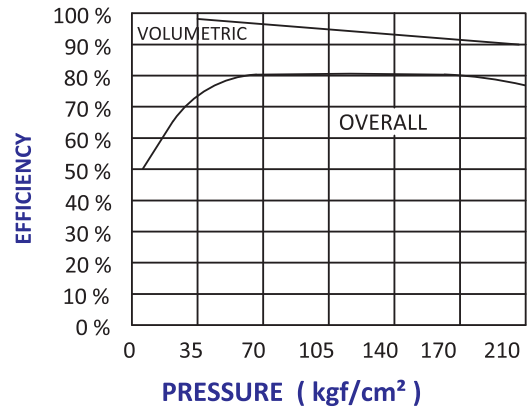
**OUTPUT FLOW & POWER @ 1500rpm**  
23 cm<sup>3</sup>/rev



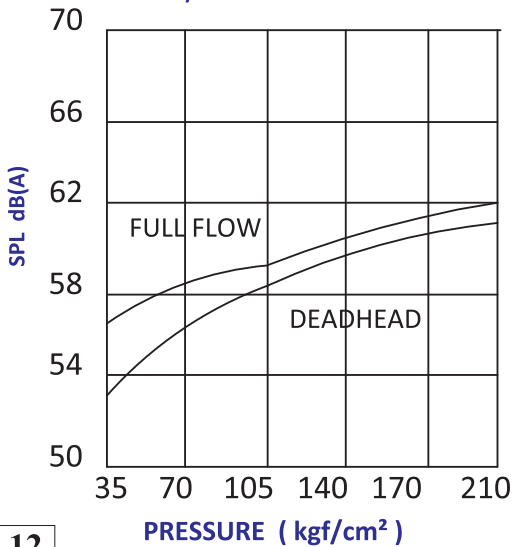
**EFFICIENCY @ 1200 rpm**  
23 cm<sup>3</sup>/rev



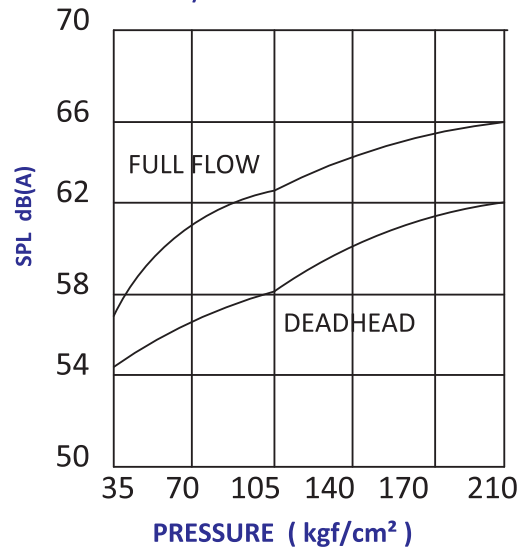
**EFFICIENCY @ 1500 rpm**  
23 cm<sup>3</sup>/rev



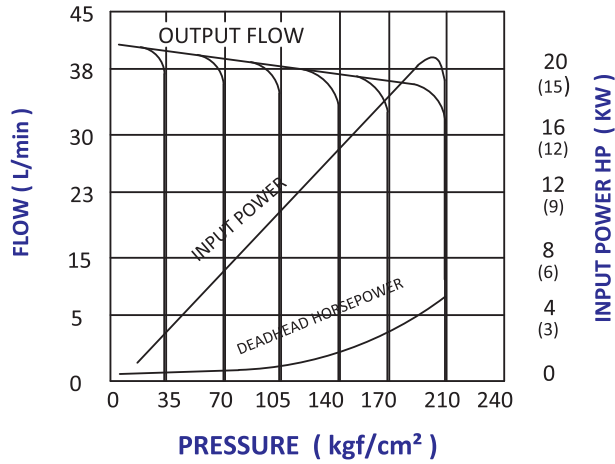
**SOUND PRESSURE @ 1200rpm**  
23 cm<sup>3</sup>/rev



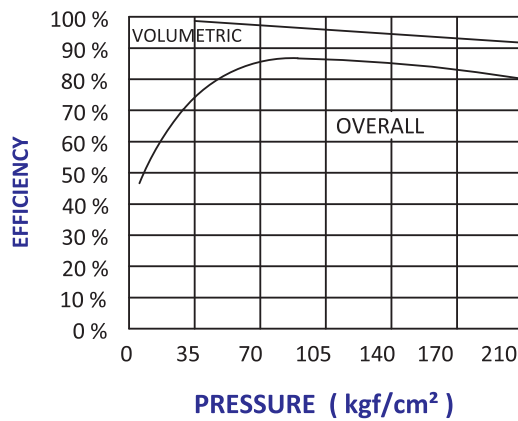
**SOUND PRESSURE @ 1500rpm**  
23 cm<sup>3</sup>/rev



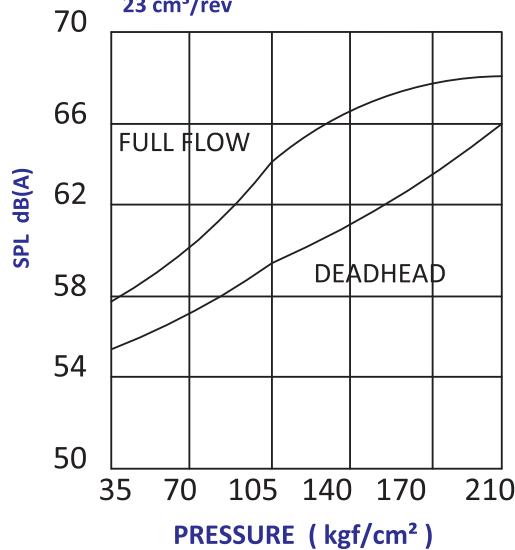
**OUTPUT FLOW & POWER @ 1800rpm**  
23 cm<sup>3</sup>/rev



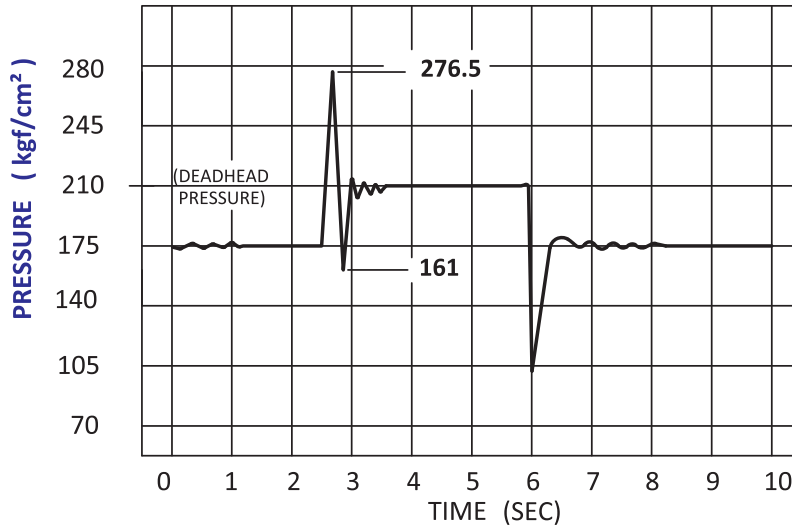
**EFFICIENCY @ 1800 rpm**  
23 cm<sup>3</sup>/rev



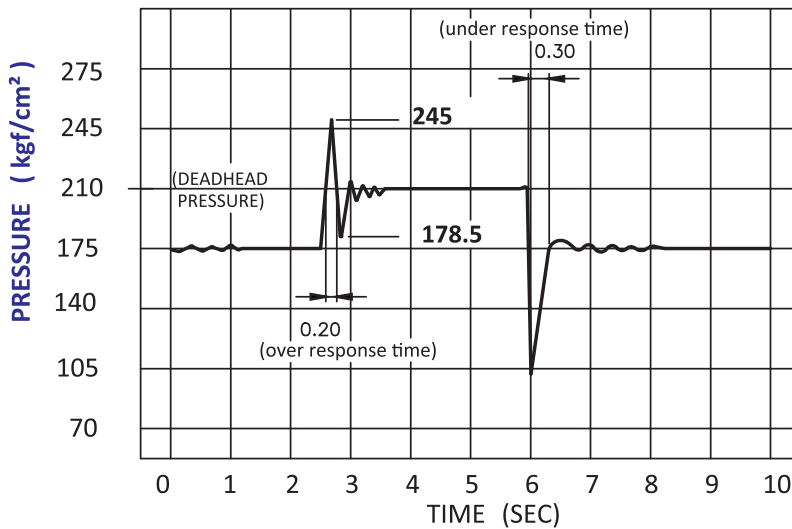
**SOUND PRESSURE @ 1800rpm**  
23 cm<sup>3</sup>/rev



#### \* KPV-16 REACTION CHARACTERISTICS SHOCK CLIPPER FUNCTION



KPV-16 Single stage compensator, plot with shock clipper **inactive**.  
Response overshoot : 66.5(kgf/cm<sup>2</sup>) ; response undershoot : 49 (kgf/cm<sup>2</sup>)



KPV-16 Single stage compensator, plot with shock clipper **active**.  
1. Response overshoot: 35 (kgf/cm<sup>2</sup>) ; response undershoot: 31.5(kgf/cm<sup>2</sup>)  
2. Response time (circuit dependent) : 20 ~30ms

#### \* CASE DRAIN FLOW

SPEC.	Mpa ( Kgf/cm <sup>2</sup> )	KPV- 8 / 12 / 16 / 20 /23 ( L/min)
case drain flow while compensating @1800 rpm CASE DRAIN FLOW	7 ( 71.4 )	1.5~2.3 (MAX)
	14 ( 142.8 )	2.5~3.8 (MAX)
	21 ( 214.2 )	3.5~4.8 (MAX)