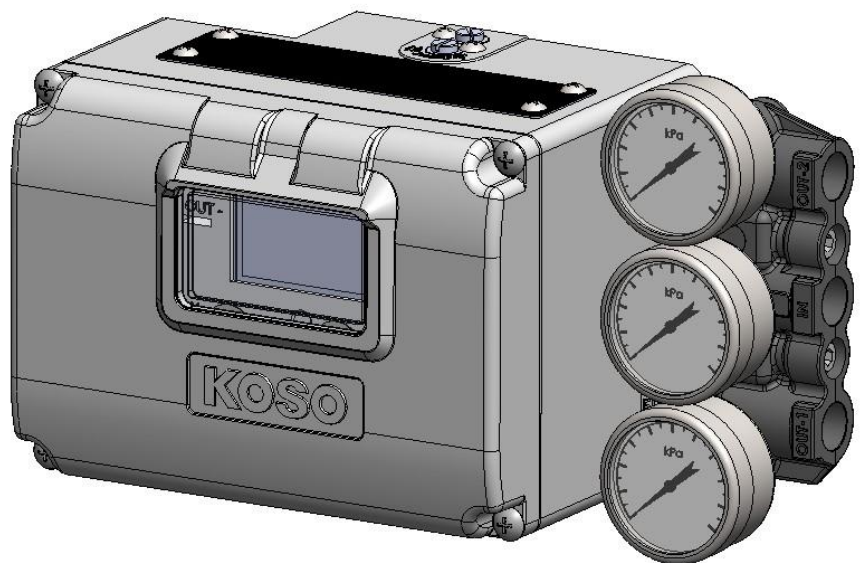
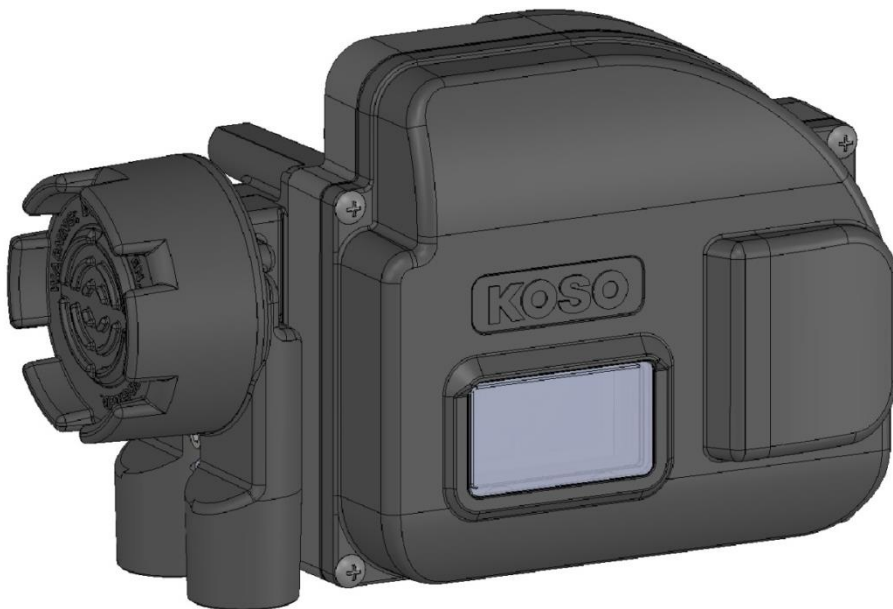


KGP5000/2000 シリーズ
スマートバルブポジショナ

取扱説明書 Annex 1
PID パラメータテーブル



Annex 1. PID パラメータテーブル

1 Software Version と PID パラメータテーブル

PID パラメータテーブルは、機種種の Software Version 及び Booster option の設定により異なります。

表 1 Software Version と PID パラメータテーブル

KGP5000 Software Version	KGP2000 Software Version	ブースターリレー無の場合 ※1 PID パラメータテーブル	ブースターリレー有の場合 ※1 PID パラメータテーブル
0.4.7 まで	対象外	表 2-1 直線運動形・単動形選択時 表 2-2 直線運動形・複動形選択時 表 2-3 回転運動形・単動形選択時 表 2-4 回転運動形・複動形選択時 表 2-5 5300LA シリーズ選択時	未対応
0.4.8 ～0.6.1	対象外	表 3-1 直線運動形・単動形選択時 表 3-2 直線運動形・複動形選択時 表 3-3 回転運動形・単動形選択時 表 3-4 回転運動形・複動形選択時 表 3-5 5300LA シリーズ選択時	未対応
1.0.0 以降	1.0.0 以降	表 4-1 直線運動形・単動形選択時 表 4-2 直線運動形・複動形選択時 表 4-3 回転運動形・単動形選択時 表 4-4 回転運動形・複動形選択時 表 4-5 5300LA シリーズ選択時	表 5-1 直線運動形・単動形選択時 表 5-2 直線運動形・複動形選択時 表 5-3 回転運動形・単動形選択時 表 5-4 回転運動形・複動形選択時 表 5-5 5300LA シリーズ選択時

※1.ブースターリレー有無について本体取扱説明書の 4.3.1 章節を参考ください

2 ブースター無の場合 PID パラメータテーブル

(KGP5000 Software Version 0.4.7 まで)

表 2-1 直線運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	30	1.1	0.9	30	1.3	10	1.4	3.0	3.0	4.0	3.0	1.3
	High	0.7	30	1.2	0.9	30	1.2	10	1.8	3.0	3.0	3.6	3.0	1.4
SS	Low	0.7	30	1.3	0.9	30	1.6	10	2.1	3.0	3.7	3.9	3.0	2.6
	High	1.3	30	2.2	1.5	30	2.4	10	2.6	3.0	4.1	4.2	3.0	2.5
S	Low	0.7	30	1.5	0.9	30	1.8	10	2.8	3.0	4.3	3.8	3.0	3.8
	High	1.8	30	3.1	2.0	30	3.5	10	3.4	3.0	5.3	4.8	3.0	3.5
M	Low	1.5	30	4.0	1.9	30	5.0	10	4.7	3.0	6.5	5.2	3.0	5.0
	High	2.5	30	4.0	2.8	30	5.0	10	4.7	3.0	6.5	5.2	3.0	5.0
L	Low	2.0	30	5.0	2.2	30	6.0	10	6.0	3.0	7.0	7.0	3.0	6.0
	High	3.6	30	6.5	4.0	30	8.0	10	5.2	3.0	8.5	5.6	3.0	8.0
LL	Low	2.8	30	6.5	3.1	30	8.0	10	8.0	3.0	9.0	9.0	3.0	8.5
	High	5.1	30	8.5	5.6	30	9.0	10	6.8	3.0	9.0	7.2	3.0	8.5
XL	Low	8.0	30	19.2	8.2	30	23.6	10	20.0	3.0	21.8	22.0	3.0	22.6
	High	21.0	30	35.4	23.0	30	40.0	10	17.0	1.0	22.6	14.0	1.0	25.4

表 2-2 直線運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	1.2	30	2.0	1.3	30	2.2	10	1.4	3.0	2.2	1.5	3.0	2.4
	High	1.3	30	2.2	1.4	30	2.7	10	2.0	3.0	3.5	2.1	3.0	3.7
SS	Low	1.3	30	2.5	1.5	30	2.6	10	2.0	3.0	3.5	2.1	3.0	3.5
	High	1.5	30	2.8	1.5	30	3.0	10	3.4	3.0	4.3	3.5	3.0	4.2
S	Low	1.5	30	3.4	1.8	30	3.4	10	3.8	3.0	5.0	5.0	3.0	4.6
	High	1.9	30	3.4	1.8	30	3.4	10	4.8	3.0	5.0	5.0	3.0	4.6
M	Low	2.8	30	6.5	2.8	30	6.5	10	6.0	3.0	7.5	6.0	3.0	7.5
	High	3.0	30	7.0	2.8	30	6.5	10	6.0	3.0	7.5	6.0	3.0	7.5
L	Low	21.0	30	30.0	13.0	30	39.5	10	38.0	1.0	34.0	36.0	1.0	46.4
	High	8.0	30	20.0	6.6	30	20.0	10	15.0	1.0	20.0	15.0	1.0	20.0
LL	Low	23.0	30	48.0	14.0	30	55.0	10	45.0	1.0	51.0	38.0	1.0	60.0
	High	16.0	30	42.0	13.0	30	33.0	10	28.0	1.0	42.0	28.0	1.0	42.0
XL	Low	28.0	30	96.0	17.0	30	96.0	10	64.0	1.0	96.0	43.0	1.0	96.0
	High	39.0	30	96.0	13.0	30	67.0	10	84.0	1.0	96.0	15.0	1.0	67.0

表 2-3 回転運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.8	5	1.3	1.3	5	0.8	5	2.7	1.0	2.8	3.2	1.0	1.8
	High	1.0	5	1.6	1.0	5	1.8	10	3.3	1.0	6.0	2.8	1.0	4.5
SS	Low	0.8	30	1.8	1.2	30	1.6	10	1.8	3.0	3.0	3.2	3.0	2.9
	High	1.0	30	1.3	1.5	30	2.0	10	3.0	3.0	5.2	5.6	3.0	1.6
S	Low	0.8	30	1.8	2.3	30	3.2	10	1.7	3.0	4.4	5.0	3.0	3.8
	High	1.8	30	2.2	2.1	30	3.2	10	4.0	3.0	5.2	5.3	3.0	4.1
M	Low	1.2	30	3.5	2.5	30	4.8	10	3.0	3.0	8.0	7.5	3.0	7.2
	High	2.2	30	5.4	2.9	30	5.4	10	5.7	3.0	6.1	8.1	3.0	5.4
L	Low	3.3	30	6.8	2.8	30	7.0	10	9.0	3.0	8.0	9.0	3.0	8.0
	High	3.2	30	7.4	4.0	30	8.6	10	7.3	3.0	14.7	12.5	3.0	18.0
LL	Low	6.0	30	15.0	5.1	30	14.0	10	14.4	3.0	20.4	13.4	3.0	22.2
	High	6.0	30	17.0	7.0	30	21.0	10	14.0	3.0	33.0	21.0	3.0	46.0
XL	Low	6.5	30	23.3	8.0	30	23.8	10	36.0	1.5	51.0	22.0	1.5	49.0
	High	10.5	30	42.0	19.0	30	52.0	10	26.0	1.0	60.6	28.0	1.0	40.0

表 2-4 回転運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	1.0	30	1.4	1.0	30	1.4	10	2.6	3.0	2.8	2.8	3.0	2.8
	High	1.2	30	1.9	1.0	30	2.2	10	2.7	3.0	5.0	2.8	3.0	5.2
SS	Low	1.7	30	2.2	1.2	30	2.5	10	4.0	3.0	3.1	2.2	3.0	3.5
	High	1.9	30	2.2	1.7	30	2.5	10	4.5	3.0	2.6	4.5	3.0	3.5
S	Low	2.2	30	3.1	2.0	30	3.2	10	6.0	3.0	4.2	4.2	3.0	5.6
	High	2.5	30	3.4	2.2	30	3.2	10	7.0	3.0	3.0	5.0	3.0	4.5
M	Low	3.5	30	6.0	4.0	30	6.4	10	9.0	3.0	8.5	6.5	3.0	9.6
	High	4.2	30	7.0	4.0	30	7.0	10	10.0	3.0	9.0	7.0	3.0	10.0
L	Low	4.7	30	9.5	5.4	30	8.2	10	10.0	3.0	10.3	7.7	3.0	12.6
	High	4.9	30	10.1	5.7	30	10.1	10	10.6	3.0	14.6	9.4	3.0	13.5
LL	Low	9.4	30	20.0	12.0	30	22.5	10	18.0	3.0	27.8	16.0	3.0	26.5
	High	9.5	30	23.0	12.5	30	23.0	10	18.0	3.0	36.0	18.0	3.0	30.0
XL	Low	28.0	30	51.3	38.0	30	53.2	10	54.0	1.5	65.0	46.0	1.5	81.2
	High	36.0	30	94.0	38.0	30	71.7	10	38.0	1.5	93.4	38.0	1.5	93.4

表 2-5 5300LA シリーズ選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.9	30	2.4	2.8	30	3.0	10	1.8	1.5	7.0	6.0	1.5	8.0
	High	1.4	30	2.5	2.7	30	3.0	10	2.5	2.0	7.0	5.0	2.0	10.0
S	Low	1.3	30	3.4	3.8	30	5.0	10	3.0	3.0	9.0	9.0	3.0	8.0
	High	1.7	30	4.4	4.2	30	5.5	10	3.3	3.0	10.2	9.9	3.0	10.0
M	Low	4.8	30	6.7	4.5	30	8.0	10	9.5	1.0	14.0	11.7	1.0	9.6
	High	5.0	30	7	4.7	30	8.6	10	10.0	1.0	15.5	12.0	1.0	10.0
L	Low	5.7	30	19	8	30	17.0	10	13.0	1.0	20.0	18.0	1.0	20.0
	High	6.2	30	20	7.2	30	22.0	10	15.0	1.0	28.0	22.0	1.0	29.0
LL	Low	7.7	30	30	11	30	25.0	10	18.0	1.0	26.0	25.0	1.0	29.0
	High	8.5	30	40	9.5	30	38.0	10	25.0	1.0	56.0	35.0	1.0	46.0

3 ブースターリレー無の場合 PID パラメータテーブル

(KGP5000 Software Version 0.4.8 ~ 0.6.1)

表 3-1 直線運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.5	5	1.0	0.8	5	0.9	10	1.4	2.0	2.4	3.0	2.0	1.4
	High	0.6	5	1.0	1.0	5	1.2	10	1.7	2.0	1.9	3.5	2.0	2.0
SS	Low	0.7	5	1.8	1.2	5	1.7	10	1.5	2.0	3.7	3.5	2.0	2.7
	High	0.8	5	1.3	1.1	5	1.5	10	1.7	2.0	2.5	3.3	2.0	2.0
S	Low	0.9	5	2.5	1.5	5	2.5	10	1.6	2.0	5.0	4.0	2.0	4.0
	High	1.0	5	1.6	1.2	5	1.7	10	1.7	2.0	3.0	3.0	2.0	2.0
M	Low	1.6	5	2.7	1.8	5	3.0	10	3.0	1.5	6.0	5.8	1.5	5.0
	High	1.6	5	3.5	1.8	5	2.6	10	3.8	1.5	7.0	4.0	1.5	5.0
L	Low	3.2	5	8.0	3.3	5	5.4	10	5.0	1.5	9.5	7.5	1.5	7.6
	High	4.0	5	8.5	5.2	5	8.8	10	4.9	1.0	17.0	6.5	1.0	11.0
LL	Low	3.0	5	9.0	3.2	5	5.8	10	7.2	1.0	12.5	6.0	1.0	9.5
	High	5.0	5	10.5	6.5	5	11.2	10	5.5	1.0	21.0	6.0	1.0	16.0
XL	Low	8.0	5	25.0	7.0	5	15.0	10	13.8	1.0	32.0	12.6	1.0	27.0
	High	7.0	5	26.0	6.0	5	17.0	10	16.0	1.5	34.0	14.0	1.5	31.0

表 3-2 直線運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	8	1.1	0.7	8	1.2	10	2.0	2.5	1.8	2	2.5	1.5
	High	0.8	3	1.7	0.9	3	1.5	10	3.5	2.0	2.3	4.5	2.0	1.0
SS	Low	0.7	8	1.4	1.1	8	1.9	10	2.1	2.5	0.8	2.2	2.5	3.0
	High	1.1	3	1.9	1.5	3	1.6	10	3.2	2.0	1.9	4.3	2.0	3.3
S	Low	1.0	5	2.0	1.1	5	1.8	10	3.0	2.5	3.2	3.2	2.5	3.2
	High	1.1	5	2.2	1.4	5	2.2	10	5.0	2.5	4.0	6.0	2.5	3.0
M	Low	4.1	5	8.6	4.5	5	8.0	10	5.2	2.0	10.3	4.5	2.0	15.2
	High	4.8	5	9.2	4.2	5	6.0	10	4.8	2.0	12.0	4.5	2.0	16.5
L	Low	10.8	5	22.1	12.3	5	21.2	10	11.8	2.0	26.1	13.0	2.0	26.2
	High	11.4	5	23.2	13.2	5	21.7	10	12.8	2.0	27.8	15.0	2.0	27.2
LL	Low	17.0	5	34.6	21.0	5	36.0	10	17.0	1.0	34.6	21.0	1.0	36.0
	High	17.0	5	34.6	23.0	5	36.0	10	17.0	1.0	34.6	23.0	1.0	36.0
XL	Low	37.0	5	76.0	40.5	5	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0
	High	37.0	5	76.0	40.5	5	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0

表 3-3 回転運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.4	5	0.5	0.6	5	0.8	10	1.7	2.0	3.0	3.8	2.0	1.6
	High	0.6	5	0.8	0.6	5	0.5	10	1.0	1.5	1.8	3	1.5	1.8
SS	Low	0.3	10	1.3	0.7	10	1.1	10	0.7	2.5	2.8	2.8	2.5	1.8
	High	0.4	10	1.5	0.8	10	1.0	10	0.5	2.5	2.0	3.2	2.5	2.0
S	Low	0.6	5	2.0	1.2	5	1.6	10	1.2	2.0	3.2	3.5	2.0	3.0
	High	0.8	5	1.5	1.3	5	1.6	10	1.4	1.5	4.0	4.4	1.5	4.2
M	Low	1.4	5	2.8	2.0	5	2.6	10	3.2	2.0	7.2	5.0	2.0	6.8
	High	1.4	5	2.8	2.0	5	2.6	10	3.2	2.0	7.2	4.5	2.0	6.5
L	Low	1.6	5	4.2	2.5	5	3.4	10	4.7	1.0	8.2	6.0	1.0	6.8
	High	1.5	5	3.5	2.3	5	2.5	10	5.0	1.5	12.0	7.5	1.5	9.0
LL	Low	3.4	5	10.5	4.6	5	10.5	10	6.8	0.7	18.0	12.0	1.5	18.0
	High	3.8	5	11.0	4.5	5	11.0	10	7.8	1.0	16.5	11.0	1.0	16.5
XL	Low	5.5	5	15.0	6.0	5	15.0	10	10.0	2.0	20.0	12.0	2.0	20.0
	High	7.0	5	15.0	8.0	5	15.0	10	14.0	2.0	18.0	15.0	2.0	20.0

表 3-4 回転運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	5	1.4	0.8	5	1.4	10	1.9	1.5	2.4	2.3	1.5	2.4
	High	0.8	5	1.2	0.9	5	1.2	10	2.2	1.5	1.9	2.7	1.5	1.9
SS	Low	0.7	5	1.1	0.8	5	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
	High	0.7	5	1.1	0.8	5	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
S	Low	1.0	5	2.0	1.3	5	2.5	10	3.6	1.0	4.4	4.0	1.0	4.4
	High	1.2	5	2.2	1.4	5	2.2	10	3.8	1.0	4.4	4.2	1.0	4.4
M	Low	2.1	5	4.0	2.3	5	3.5	10	4.8	1.0	7.0	6.5	1.0	7.5
	High	2.0	5	4.0	2.2	5	3.5	10	4.8	2.0	7.0	6.5	2.0	7.5
L	Low	2.5	5	5.0	3.2	5	5.4	10	5.0	1.5	9.0	5.4	1.5	10.0
	High	3.0	5	5.4	3.3	5	5.0	10	4.3	1.5	10.5	4.6	1.5	11.0
LL	Low	5.2	5	11.0	5.2	5	10.0	10	8.0	1.5	16.0	8.0	1.5	14.5
	High	5.0	5	10.0	5.5	5	9.0	10	5.9	1.5	15.0	6.5	1.5	13.5
XL	Low	15.0	5	32.0	15.0	5	29.0	10	20.0	2.5	44.0	20.0	2.5	41.0
	High	15.0	5	30.0	16.0	5	27.0	10	17.0	2.0	44.0	21.0	2.0	40.0

表 3-5 5300LA シリーズ選択時

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.7	5	1.2	1.3	5	1.6	10	1.0	1.5	3.0	3.8	1.5	2.5
	High	0.9	5	2.3	1.5	5	1.9	10	1.5	2.5	4.4	4.0	2.5	3.0
S	Low	1.4	5	3.2	2.2	5	3.2	10	3.4	1.0	6.1	4.5	1.0	4.9
	High	1.8	5	4.5	2.6	5	4.0	10	2.7	2.5	9.0	4.0	2.5	4.4
M	Low	3.2	5	8	3.3	5	4.9	10	5.0	1.5	10.3	6.4	1.5	7.1
	High	4.0	5	8	3.8	5	6.3	10	6.0	1.0	15.0	6.7	1.0	8.0
L	Low	6.3	5	13	5.4	5	7.5	10	7.0	1.0	16.5	11.0	1.0	16.3
	High	7.2	5	10.5	7.4	5	6.8	10	7.7	1.0	20.0	7.4	1.0	18.0
LL	Low	9.0	5	21.5	10	5	18.2	10	9.1	1.5	22.7	10.1	1.5	18.8
	High	13.8	5	23.7	12.8	5	14.0	10	15.6	1.0	38.1	14.4	1.0	27.4

4 ブースターリレー無の場合 PID パラメータテーブル

(KGP5000 Software Version 1.0.0 以降/KGP2000 Software Version 1.0.0 以降)

表 4-1 直線運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.5	5.0	1.0	0.8	5.0	0.9	10	1.4	2.0	2.4	3.0	2.0	1.4
	High	0.6	5.0	1.0	1.0	5.0	1.2	10	1.7	2.0	1.9	3.5	2.0	2.0
SS	Low	0.7	5.0	1.8	1.2	5.0	1.7	10	1.5	2.0	3.7	3.5	2.0	2.7
	High	0.8	5.0	1.3	1.1	5.0	1.5	10	1.7	2.0	2.5	3.3	2.0	2.0
S	Low	0.9	5.0	2.5	1.5	5.0	2.5	10	1.6	2.0	5.0	4.0	2.0	4.0
	High	1.0	5.0	1.6	1.2	5.0	1.7	10	1.7	2.0	3.0	3.0	2.0	2.0
M	Low	1.6	5.0	2.7	1.8	5.0	3.0	10	3.0	1.5	6.0	5.8	1.5	5.0
	High	1.6	5.0	3.5	1.8	5.0	2.6	10	3.8	2.0	7.0	4.0	2.0	5.0
L	Low	3.2	5.0	8.0	3.3	5.0	5.4	10	5.0	1.5	9.5	7.5	1.5	7.6
	High	4.0	5.0	8.5	5.2	5.0	8.8	10	4.9	2.0	17.0	6.5	2.0	11.0
LL	Low	3.0	5.0	9.0	3.2	5.0	5.8	10	7.2	1.0	12.5	6.0	1.0	9.5
	High	5.0	5.0	10.5	6.5	5.0	11.2	10	5.5	2.0	21.0	6.0	2.0	16.0
XL	Low	8.0	5.0	25.0	7.0	5.0	15.0	10	13.8	1.0	32.0	12.6	1.0	27.0
	High	7.0	5.0	26.0	6.0	5.0	17.0	10	16.0	2.0	34.0	14.0	2.0	31.0

表 4-2 直線運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	8.0	1.1	0.7	8.0	1.2	10	2.0	2.5	1.8	2.0	2.5	1.5
	High	0.8	3.0	1.7	0.9	3.0	1.5	10	3.5	2.0	2.3	4.5	2.0	1.0
SS	Low	0.7	8.0	1.4	1.1	8.0	1.9	10	2.1	2.5	0.8	2.2	2.5	3.0
	High	1.1	3.0	1.9	1.5	3.0	1.6	10	3.2	2.0	1.9	4.3	2.0	3.3
S	Low	1.0	5.0	2.0	1.1	5.0	1.8	10	3.0	2.5	3.2	3.2	2.5	3.2
	High	1.1	5.0	2.2	1.4	5.0	2.2	10	5.0	2.5	4.0	6.0	2.5	3.0
M	Low	4.1	5.0	8.6	4.5	5.0	8.0	10	5.2	2.0	10.3	4.5	2.0	15.2
	High	4.8	5.0	9.2	4.2	5.0	6.0	10	4.8	2.0	12.0	4.5	2.0	16.5
L	Low	10.8	5.0	22.1	12.3	5.0	21.2	10	11.8	2.0	26.1	13.0	2.0	26.2
	High	11.4	5.0	23.2	13.2	5.0	21.7	10	12.8	2.0	27.8	15.0	2.0	27.2
LL	Low	17.0	5.0	34.6	21.0	5.0	36.0	10	17.0	1.0	34.6	21.0	1.0	36.0
	High	17.0	5.0	34.6	23.0	5.0	36.0	10	17.0	2.0	34.6	23.0	2.0	36.0
XL	Low	37.0	5.0	76.0	40.5	5.0	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0
	High	37.0	5.0	76.0	40.5	5.0	70.0	10	37.0	2.0	95.0	40.5	2.0	88.0

表 4-3 回転運動形・単動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.4	5.0	0.5	0.6	5.0	0.8	10	1.7	2.0	3.0	3.8	2.0	1.6
	High	0.6	5.0	0.8	0.6	5.0	0.5	10	1.0	2.0	1.8	3.0	2.0	1.8
SS	Low	0.3	10.0	1.3	0.7	10.0	1.1	10	0.7	2.5	2.8	2.8	2.5	1.8
	High	0.4	10.0	1.5	0.8	10.0	1.0	10	0.5	2.5	2.0	3.2	2.5	2.0
S	Low	0.6	5.0	2.0	1.2	5.0	1.6	10	1.2	2.0	3.2	3.5	2.0	3.0
	High	0.8	5.0	1.5	1.3	5.0	1.6	10	1.4	2.0	4.0	4.4	2.0	4.2
M	Low	1.4	5.0	2.8	2.0	5.0	2.6	10	3.2	2.0	7.2	5.0	2.0	6.8
	High	1.4	5.0	2.8	2.0	5.0	2.6	10	3.2	2.0	7.2	4.5	2.0	6.5
L	Low	1.6	5.0	4.2	2.5	5.0	3.4	10	4.7	1.0	8.2	6.0	1.0	6.8
	High	1.5	5.0	3.5	2.3	5.0	2.5	10	5.0	2.0	12.0	7.5	2.0	9.0
LL	Low	3.4	5.0	10.5	4.6	5.0	10.5	10	6.8	1.0	18.0	12.0	1.5	18.0
	High	3.8	5.0	11.0	4.5	5.0	11.0	10	7.8	2.0	16.5	11.0	2.0	16.5
XL	Low	5.5	5.0	15.0	6.0	5.0	15.0	10	10.0	2.0	20.0	12.0	2.0	20.0
	High	7.0	5.0	15.0	8.0	5.0	15.0	10	14.0	2.0	18.0	15.0	2.0	20.0

表 4-4 回転運動形・複動形選択時

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	5.0	1.4	0.8	5.0	1.4	10	1.9	1.5	2.4	2.3	1.5	2.4
	High	0.8	5.0	1.2	0.9	5.0	1.2	10	2.2	2.0	1.9	2.7	2.0	1.9
SS	Low	0.7	5.0	1.1	0.8	5.0	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
	High	0.7	5.0	1.1	0.8	5.0	1.2	10	2.9	2.0	4.0	3.0	2.0	4.0
S	Low	1.0	5.0	2.0	1.3	5.0	2.5	10	3.6	1.0	4.4	4.0	1.0	4.4
	High	1.2	5.0	2.2	1.4	5.0	2.2	10	3.8	2.0	4.4	4.2	2.0	4.4
M	Low	2.1	5.0	4.0	2.3	5.0	3.5	10	4.8	1.0	7.0	6.5	1.0	7.5
	High	2.0	5.0	4.0	2.2	5.0	3.5	10	4.8	2.0	7.0	6.5	2.0	7.5
L	Low	2.5	5.0	5.0	3.2	5.0	5.4	10	5.0	1.5	9.0	5.4	1.5	10.0
	High	3.0	5.0	5.4	3.3	5.0	5.0	10	4.3	2.0	10.5	4.6	2.0	11.0
LL	Low	5.2	5.0	11.0	5.2	5.0	10.0	10	8.0	1.5	16.0	8.0	1.5	14.5
	High	5.0	5.0	10.0	5.5	5.0	9.0	10	5.9	2.0	15.0	6.5	2.0	13.5
XL	Low	15.0	5.0	32.0	15.0	5.0	29.0	10	20.0	2.5	44.0	20.0	2.5	41.0
	High	15.0	5.0	30.0	16.0	5.0	27.0	10	17.0	2.0	44.0	21.0	2.0	40.0

表 4-5 5300LA シリーズ選択時

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.7	5.0	1.2	1.3	5.0	1.6	10	1.0	1.5	3.0	3.8	1.5	2.5
	High	0.9	5.0	2.3	1.5	5.0	1.9	10	1.5	2.5	4.4	4.0	2.5	3.0
S	Low	1.4	5.0	3.2	2.2	5.0	3.2	10	3.4	1.0	6.1	4.5	1.0	4.9
	High	1.8	5.0	4.5	2.6	5.0	4.0	10	2.7	2.5	9.0	4.0	2.5	4.4
M	Low	3.2	5.0	8.0	3.3	5.0	4.9	10	5.0	1.5	10.3	6.4	1.5	7.1
	High	4.0	5.0	8.0	3.8	5.0	6.3	10	6.0	2.0	15.0	6.7	2.0	8.0
L	Low	6.3	5.0	13.0	5.4	5.0	7.5	10	7.0	1.0	16.5	11.0	1.0	16.3
	High	7.2	5.0	10.5	7.4	5.0	6.8	10	7.7	2.0	20.0	7.4	2.0	18.0
LL	Low	9.0	5.0	21.5	10.0	5.0	18.2	10	9.1	1.5	22.7	10.1	1.5	18.8
	High	13.8	5.0	23.7	12.8	5.0	14.0	10	15.6	2.0	38.1	14.4	2.0	27.4

5 ブースターリレー有の場合 PID パラメータテーブル

(KGP5000 Software Version 1.0.0 以降/KGP2000 Software Version 1.0.0 以降)

表 5-1 直線運動形・単動形選択時

Booster option が **Large** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.6	0.4	5.0	0.5	10	4.0	2.0	5.0	5.0	5.0	5.5
	High	0.6	5.0	0.8	0.6	5.0	1.1	10	4.5	2.0	5.5	5.5	5.0	7.0
S	Low	0.7	5.0	1.0	0.9	5.0	1.3	10	4.0	2.0	5.0	5.0	5.0	6.0
	High	0.7	5.0	1.2	0.9	5.0	1.3	10	4.0	2.0	6.0	5.0	5.0	5.0
M	Low	0.8	5.0	1.6	1.0	5.0	1.4	10	4.5	2.0	6.5	6.0	5.0	6.0
	High	0.8	5.0	1.6	1.0	5.0	1.4	10	5.0	2.0	7.0	7.0	5.0	7.0
L	Low	0.8	5.0	1.2	0.9	5.0	1.2	10	4.6	2.0	6.3	5.0	5.0	6.3
	High	0.9	5.0	1.5	0.9	5.0	1.5	10	5.0	2.0	7.0	6.0	5.0	7.0
LL	Low	1.4	5.0	1.8	1.2	5.0	1.8	10	6.0	2.0	9.0	5.0	5.0	8.0
	High	1.4	5.0	2.5	1.2	5.0	2.2	10	7.0	2.0	10.5	6.0	5.0	9.0
XL	Low	1.7	5.0	2.2	1.5	5.0	2.2	10	6.0	2.0	10.4	5.1	2.0	8.7
	High	1.7	5.0	3.1	1.4	5.0	2.7	10	8.1	2.0	12.2	6.4	2.0	9.9

Booster option が **Small** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	1.0	0.6	5.0	0.9	10	2.8	2.0	4.0	4.5	5.0	5.0
	High	0.5	5.0	1.0	0.6	5.0	0.9	10	3.5	2.0	4.5	4.5	5.0	5.0
S	Low	0.7	5.0	1.3	0.8	5.0	1.4	10	3.0	2.0	6.5	3.5	5.0	5.5
	High	0.7	5.0	1.2	0.8	5.0	1.4	10	3.5	2.0	6.5	5.0	5.0	5.0
M	Low	0.8	5.0	1.6	0.9	5.0	1.7	10	4.5	2.0	3.5	4.0	5.0	8.0
	High	0.8	5.0	1.6	0.9	5.0	1.7	10	3.5	2.0	9.0	4.5	5.0	5.5
L	Low	0.8	5.0	1.6	0.9	5.0	1.7	10	4.5	2.0	5.5	4.0	5.0	8.0
	High	0.8	5.0	1.6	0.9	5.0	1.8	10	3.5	2.0	9.0	4.5	5.0	5.5
LL	Low	1.4	5.0	1.8	1.2	5.0	1.8	10	6.0	2.0	9.0	4.0	5.0	12.0
	High	1.4	5.0	2.5	1.2	5.0	3.5	10	5.0	2.0	13.0	5.0	5.0	13.0
XL	Low	1.8	5.0	2.1	1.4	5.0	2.1	10	7.3	2.0	10.4	3.9	2.0	14.5
	High	1.7	5.0	3.1	1.4	5.0	4.4	10	8.1	2.0	12.2	6.4	2.0	9.9

表 5-2 直線運動形・複動形選択時

Booster option が **Large** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.3	5.0	0.3	0.4	5.0	0.5	10	5.5	2.0	8.5	4.0	2.0	6.0
	High	0.4	5.0	0.7	0.5	5.0	0.6	10	5.5	2.0	8.5	4.0	2.0	6.0
SS	Low	0.9	5.0	1.8	1.1	5.0	1.6	10	6.0	2.0	6.5	6.0	2.0	8.5
	High	1.1	5.0	2.3	1.2	5.0	1.7	10	6.5	2.0	8.0	6.5	2.0	8.0
S	Low	2.0	5.0	4.0	2.5	5.0	4.0	10	7.0	2.0	9.0	7.0	2.0	9.0
	High	2.6	5.0	5.2	3.0	5.0	4.0	10	7.0	2.0	9.0	7.0	2.0	9.0
M	Low	3.5	5.0	5.5	5.5	5.0	8.5	10	10.0	2.0	10.0	10.0	2.0	10.0
	High	5.0	5.0	9.0	5.5	5.0	7.0	10	8.5	2.0	10.0	10.0	2.0	9.5
L	Low	12.0	5.0	24.0	15.0	5.0	20.0	10	10.0	2.0	20.0	13.0	2.0	20.0
	High	11.5	5.0	24.0	14.0	5.0	20.0	10	10.0	2.0	20.0	11.0	2.0	20.0
LL	Low	15.0	5.0	30.0	20.0	5.0	30.0	10	15.0	2.0	30.0	18.0	2.0	30.0
	High	15.0	5.0	30.0	20.0	5.0	30.0	10	20.0	2.0	25.0	20.0	2.0	25.0

Booster option が **Small** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.3	5.0	0.3	0.4	5.0	0.5	10	5.0	2.0	5.5	4.0	2.0	6.0
	High	0.4	5.0	0.7	0.5	5.0	0.6	10	4.5	2.0	8.5	4.0	2.0	6.0
SS	Low	0.8	5.0	1.6	1.2	5.0	1.6	10	5.5	2.0	6.5	6.0	2.0	10.0
	High	1.1	5.0	1.8	1.2	5.0	1.6	10	6.0	2.0	6.5	6.0	2.0	8.0
S	Low	2.5	5.0	7.0	3.0	5.0	7.0	10	10.0	2.0	15.0	10.0	2.0	13.0
	High	3.0	5.0	10.0	4.0	5.0	8.0	10	8.5	2.0	9.0	10.0	2.0	10.0
M	Low	3.5	5.0	11.0	3.5	5.0	13.0	10	10.0	2.0	15.0	10.0	2.0	13.0
	High	5.0	5.0	15.0	5.0	5.0	10.0	10	8.5	2.0	9.0	10.0	2.0	10.0
L	Low	12.0	5.0	24.0	15.0	5.0	20.0	10	10.0	2.0	20.0	13.0	2.0	20.0
	High	12.5	5.0	24.0	17.0	5.0	20.0	10	10.0	2.0	20.0	11.0	2.0	20.0
LL	Low	20.0	5.0	30.0	20.0	5.0	30.0	10	15.0	2.0	30.0	18.0	2.0	30.0
	High	20.0	5.0	30.0	20.0	5.0	30.0	10	20.0	2.0	25.0	20.0	2.0	25.0

表 5-3 回転運動形・単動形選択時

Booster option が **Large** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.8	0.7	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	5.0
	High	0.6	5.0	1.0	0.6	5.0	1.1	10	4.5	2.0	6.0	5.5	5.0	6.0
S	Low	0.4	5.0	0.8	0.8	5.0	1.2	10	4.5	2.0	6.5	3.5	5.0	4.5
	High	0.7	5.0	1.3	0.7	5.0	1.2	10	4.5	2.0	5.0	6.0	5.0	7.0
M	Low	1.0	5.0	1.8	1.3	5.0	2.4	10	4.0	2.0	6.0	6.5	5.0	7.0
	High	1.0	5.0	2.5	1.2	5.0	2.2	10	5.0	2.0	7.0	6.0	5.0	6.0
L	Low	2.3	5.0	3.9	2.8	5.0	5.4	10	4.5	2.0	9.9	6.3	5.0	9.9
	High	2.3	5.0	3.9	2.8	5.0	5.4	10	4.5	2.0	9.9	6.3	5.0	9.9
LL	Low	3.0	5.0	5.2	3.7	5.0	7.2	10	11.3	2.0	10.6	12.0	5.0	13.4
	High	2.4	5.0	4.7	3.0	5.0	5.6	10	10.7	2.0	10.5	9.7	5.0	10.5

Booster option が **Small** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	0.8	0.7	5.0	1.2	10	3.5	2.0	6.0	4.5	5.0	4.5
	High	0.7	5.0	1.2	0.7	5.0	1.2	10	3.5	2.0	4.5	5.0	5.0	5.0
S	Low	0.4	5.0	0.8	0.8	5.0	1.3	10	3.0	2.0	4.0	5.0	5.0	7.0
	High	0.6	5.0	1.1	0.8	5.0	1.3	10	3.5	2.0	4.5	5.0	5.0	6.0
M	Low	0.9	5.0	1.8	1.3	5.0	2.4	10	3.5	2.0	5.0	6.0	5.0	7.0
	High	1.0	5.0	2.7	1.2	5.0	2.4	10	3.5	2.0	6.5	5.0	5.0	8.0
L	Low	1.4	5.0	2.7	1.8	5.0	3.6	10	8.5	2.0	8.5	8.5	5.0	9.5
	High	1.4	5.0	2.7	1.8	5.0	3.6	10	8.5	2.0	8.5	8.5	5.0	9.5
LL	Low	2.2	5.0	4.2	2.8	5.0	5.6	10	11.3	2.0	15.8	13.9	5.0	17.5
	High	2.2	5.0	4.5	2.5	5.0	5.8	10	11.8	2.0	12.8	10.6	5.0	14.0

表 5-4 回転運動形・複動形選択時

Booster option が **Large** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.8	0.5	5.0	0.7	10	5.5	2.0	6.0	5.5	5.0	6.0
	High	0.5	5.0	0.8	0.5	5.0	0.6	10	6.0	2.0	6.0	6.0	5.0	6.0
S	Low	0.7	5.0	1.1	0.7	5.0	1.1	10	7.0	2.0	9.0	6.0	2.0	9.0
	High	0.7	5.0	1.1	0.7	5.0	1.0	10	7.0	2.0	9.0	6.0	2.0	9.0
M	Low	1.2	5.0	2.0	1.3	5.0	1.8	10	6.5	2.0	8.0	7.0	2.0	9.0
	High	1.2	5.0	1.9	1.4	5.0	2.0	10	6.5	2.0	8.5	7.0	2.0	9.0
L	Low	1.8	5.0	3.0	1.9	5.0	2.6	10	7.5	2.0	9.5	8.0	2.0	10.0
	High	1.8	5.0	2.9	2.2	5.0	3.2	10	7.0	2.0	9.0	7.0	2.0	9.0
LL	Low	4.9	5.0	8.4	5.3	5.0	7.1	10	11.3	2.0	15.8	13.9	2.0	17.5
	High	4.9	5.0	8.1	6.4	5.0	9.5	10	11.3	2.0	15.8	13.9	2.0	17.5

Booster option が **Small** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.9	0.5	5.0	0.8	10	4.5	2.0	5.5	6.0	5.0	7.0
	High	0.6	5.0	1.2	0.6	5.0	0.9	10	4.5	2.0	5.5	6.0	5.0	7.0
S	Low	0.6	5.0	0.9	0.7	5.0	0.9	10	5.5	2.0	8.0	6.0	2.0	6.0
	High	0.8	5.0	1.3	0.8	5.0	1.1	10	6.0	2.0	9.0	6.5	2.0	9.0
M	Low	1.2	5.0	1.9	1.3	5.0	1.8	10	5.5	2.0	7.5	6.5	2.0	8.5
	High	1.2	5.0	2.0	1.4	5.0	1.9	10	5.5	2.0	7.5	6.5	2.0	8.5
L	Low	1.8	5.0	3.0	1.9	5.0	2.6	10	6.5	2.0	9.0	8.0	2.0	9.5
	High	1.7	5.0	2.9	2.2	5.0	3.0	10	7.0	2.0	9.0	7.0	2.0	9.0
LL	Low	5.0	5.0	8.6	5.3	5.0	7.3	10	9.1	2.0	14.9	14.0	2.0	18.5
	High	4.3	5.0	7.2	6.1	5.0	8.2	10	12.0	2.0	14.7	9.1	2.0	12.2

表 5-5 5300LA シリーズ選択時

Booster option が **Large** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	0.5	0.6	5.0	0.7	10	4.0	2.0	6.0	6.0	5.0	5.0
	High	0.7	5.0	0.7	0.6	5.0	0.7	10	5.0	2.0	8.0	6.0	5.0	5.0
S	Low	0.8	5.0	1.1	0.9	5.0	1.0	10	5.0	2.0	7.0	6.0	5.0	3.2
	High	0.7	5.0	0.9	1.0	5.0	1.3	10	5.0	2.0	8.0	8.0	5.0	6.0
M	Low	1.0	5.0	1.7	0.9	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	6.0
	High	1.0	5.0	1.7	0.9	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	7.0
L	Low	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0
	High	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0

Booster option が **Small** に設定された場合

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.6	0.7	5.0	1.1	10	3.5	2.0	5.0	5.0	5.0	2.0
	High	0.6	5.0	0.8	0.7	5.0	0.9	10	4.0	2.0	6.5	4.5	5.0	4.0
S	Low	0.7	5.0	1.1	0.9	5.0	1.2	10	4.0	2.0	6.0	5.5	5.0	6.0
	High	0.7	5.0	1.0	0.9	5.0	1.1	10	4.3	2.0	6.8	5.1	5.0	5.5
M	Low	0.9	5.0	1.5	0.9	5.0	1.2	10	2.6	2.0	7.0	4.0	5.0	6.0
	High	1.0	5.0	1.7	0.9	5.0	1.4	10	4.0	2.0	7.0	5.0	5.0	7.0
L	Low	1.6	5.0	3.3	1.5	5.0	2.9	10	5.3	2.0	10.7	7.0	5.0	10.7
	High	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0