CENTSYS

SWING GATE OPERATOR SELECTION GUIDE

SMΔRT.

The intelligent choice

V 300 SMΔRT

V 400 SMΔRT

V 500 SMΔRT

R6 SWING

	V 300 SMΔRT	V 400 SMΔRT	V 500 SMΔRT	R6 SWING
Operator Type	Linear	Linear	Linear	Rotary
Operator Stroke	300mm	400mm	500mm	-
Application	Domestic	Domestic Commercial	Domestic Commercial	Domestic Light-industrial Industrial
Maximum Gate Weight	350kg	500kg	750kg	Standard Torque: 500kg High Torque: 750kg
Operator Opening Time	11.3 sec	14.3 sec	17.8 sec	12-15 sec
Maximum Push Force / Output Torque of Operator	250kgf	250kgf	250kgf	Standard Torque: 300Nm High Torque: 390Nm
Operator Voltage	12V	12V	12V	12V
Compatible with SMΔRT Technology	✓	✓	✓	-
Input (I) **Input or Low-Current Output (I/LCO)** **Input or High-Current Output (I/HCO)** **High-Current Output (HCO)** **Relay Contact NO/COM**	3x I 1x I / 1x LCO 1x I / 1x HCO 1x HCO -	3x I 1x I / 1x LCO 1x I / 1x HCO 1x HCO -	3x I 1x I / 1x LCO 1x I / 1x HCO 1x HCO -	7x I - - 1x HCO 1
Engineered Product Life (cycles)	150k	150k	150k	250k
Maximum Auxiliary Supply	12VDC @ 3A	12VDC @ 3A	12VDC @ 3A	12VDC @ 2A
NOVA Receiver Storage Capacity	1500	1500	1500	External Receiver Required
MyCentsys Remote				
- User Capacity	1500	1500	1500	-
- Visitors Access Sharing Users	10	10	10	-
MyCentsys Pro				
- Admin Users	10	10	10	-

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V-SERIES SMΔRT INSTALLATION INFORMATION

Allowable Gate Mass

Maximum Allowable Gate Mass for V300 SMΔRT Operator

Gate swing angle	Up to 1.5m	Up to 2m	Up to 2.5m	Up to 3m[1]	Up to 3.5m[1]	Up to 4m[1]
90°	350kg	350kg	335kg	230kg	N/A	N/A
100°	350kg	350kg	335kg	230kg	N/A	N/A

Maximum Allowable Gate Mass for V400 SMΔRT Operator

Gate swing angle	Up to 1.5m	Up to 2m	Up to 2.5m	Up to 3m[1]	Up to 3.5m[1]	Up to 4m[1]
90°	500kg	500kg	500kg	360kg	260kg	200kg
100°	500kg	500kg	388kg	160kg	190kg	150kg
110°	500kg	306kg	198kg	130kg		
120°	180kg	100kg	65kg			

Maximum Allowable Gate Mass for V500 SMΔRT Operator

Gate swing angle	Up to 1.5m	Up to 2m	Up to 2.5m	Up to 3m[1]	Up to 3.5m[1]	Up to 4m[1]
90°	750kg	750kg	750kg	550kg	410kg	310kg
100°	750kg	750kg	600kg	420kg	310kg	230kg
110°	750kg	500kg	320kg	220kg		
120°	310kg	170kg	110kg			

1. For gate leaves in excess of 2.5m, an electric lock must be fitted to secure gate in closed position.

Wind Loading

Maximum Opening Speed for V300 SMΔRT Operator

Gate length	1.5m	2m	2.5m	3m	3.5m	4m
Gate height	1.8m	1.8m	1.8m	1.8m	N/A	N/A
Allowable wind speed 25% clad(km/h)[2]	105	78	62	52	N/A	N/A
Allowable wind speed 100% clad (km/h)[2]	52	39	31	26	N/A	N/A

Maximum Opening Speed for V400 SMΔRT Operator

Gate length	1.5m	2m	2.5m	3m	3.5m	4m
Gate height	1.8m	1.8m	1.8m	1.8m	1.8m	1.8m
Allowable wind speed 25% clad(km/h)[2]	122	91	72	60	52	46
Allowable wind speed 100% clad (km/h)[2]	61	45	36	30	26	23

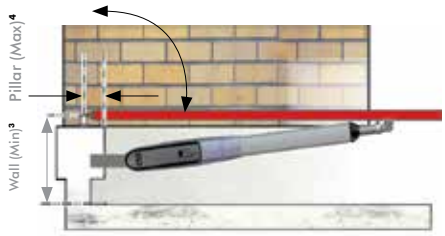
Maximum Opening Speed for V500 SMΔRT Operator

Gate length	1.5m	2m	2.5m	3m	3.5m	4m
Gate height	1.8m	1.8m	1.8m	1.8m	1.8m	1.8m
Allowable wind speed 25% clad(km/h)[2]	134	100	79	67	58	51
Allowable wind speed 100% clad (km/h)[2]	67	50	39	33	29	25

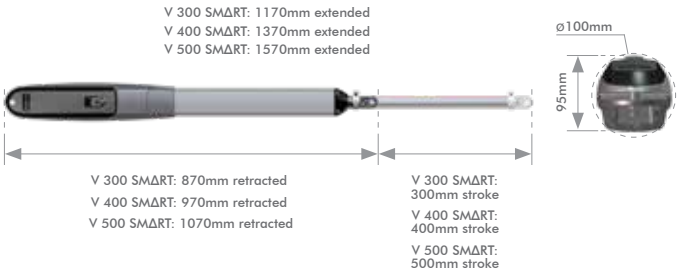
2. Gate opening and closing times will increase as wind speeds increase.

Minimum Installation Requirements

Gate opening 90° or less



Operator	Wall (Min)[1]	Pillar (Max)[2]
V 300 SMΔRT	200mm	90mm
V 400 SMΔRT	200mm	165mm
V 500 SMΔRT	200mm	245mm

3. The typical minimum wall clearance required to fit the operator.
4. The maximum allowable pillar thickness on which to fit the operator.

Overall Dimensions