

# Mec 800 Special



**External oil-hydraulic operator for swinging gates of large dimensions. With separate motor-pump.**

**Robust**

Oil-hydraulic motor-pump separated from the piston actuator. Capable to operate large and heavy (even in-filled) gates, doors and trap doors without limit of operations. For industrial applications.

**Complete range**

Numerous shaft travel options (up to 1 metre) to meet any gate requirements. Two actuators per gate side are possible thanks to the double-tank motor-pump unit.

**Reliable**

Each component is of extremely high quality level and is made to endure the most harsh weather conditions.



Oil-hydraulic motor-pump MEC 700/80 VENTIL  
2 l capacity



Oil-hydraulic motor-pump MEC 700/80 VENTIL  
double-tank  
4,5 l capacity



Connection to the 6-way oil pipe block



Front fixing with adjustable eye bearing



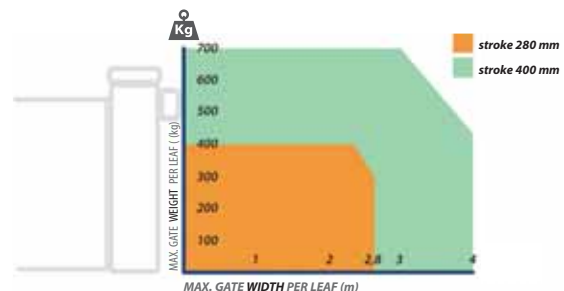
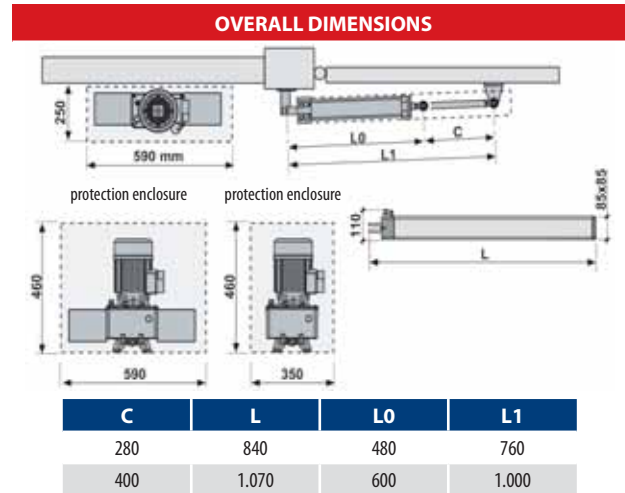
Oil-hydraulic motor-pump MEC 700/80 VENTIL  
double-tank  
inside the enclosure

## technical data

Motor-pump MEC 700/80 VENTIL	
Supply Voltage	230 Vac - 50 Hz
Absorbed Power	510 W
Absorbed Current	2,4 A
Max. Pressure	40 atm
Working Temperature	-25 °C +80 °C (*)
Protection Standards	IP 67
Pump Flow Rate	1,6 l/min [P6] 0,85 l/min [P12]
Oil Type	Oil FADINI - code 708L
Frequency of Use	very intensive
Weight - Item 7014P6L	10 kg
Weight - Item 7012L	5,5 kg
Weight - Item 7037L	7,2 kg

(\*) -40°C with specific optional accessories page 11

MEC 800 PISTON	
Shaft diameter	22 mm
Piston stroke range	280 - 400 - 500 - 600 - 700 - 800 - 900 - 1.000 mm
Thrust power	0 ÷ 7.000 N
Motor run	
~ 28 s / stroke 280 mm	~ 63 s / stroke 700 mm
~ 44 s / stroke 400 mm	~ 72 s / stroke 800 mm
~ 45 s / stroke 500 mm	~ 81 s / stroke 900 mm
~ 54 s / stroke 600 mm	~ 90 s / stroke 1.000 mm



The gate structure, design (solid, in-filled), height and strong wind pressure may affect and decrease the indicated values. Make always sure the gate structure is adequate to automation.

# Mec 800 Special



MEC 800 SPECIAL		RAMS		
Item code No.	Specifications		Applications	
	Shaft travel (mm)	Braking	Single gate max. width (m) (*)	Single gate max. weight (kg)
7012L	280		2,8	400
701277L	280	on closing	2,8	400
701284L	280	on opening/closing	2,8	400
7037L	400		4	700
703777L	400	on closing	4	700
703784L	400	on opening/closing	4	700
7114L	500		5	700
711477L	500	on closing	5	700
711484L	500	on opening/closing	5	700
7115L	600		6	800
711577L	600	on closing	6	800
711584L	600	on opening/closing	6	800
7116L	700		7	900
711677L	700	on closing	7	900
711684L	700	on opening/closing	7	900
7117L	800		8	1.000
711777L	800	on closing	8	1.000
711784L	800	on opening/closing	8	1.000
7118L	900		9	1.100
711877L	900	on closing	9	1.100
711884L	900	on opening/closing	9	1.100
7119L	1.000		10	1.200
711977L	1.000	on closing	10	1.200
711984L	1.000	on opening/closing	10	1.200

NOTE: complete with connection joints, cover and fixing plates to weld.

(\*) for gate leaves wider than 5 m it is recommended that the gate structure be carefully assessed: gate posts and rotation hinges to be adequate to sustain the gate weight during the complete cycle of opening and closing movements.

MEC 700/80 VENTIL		OIL-HYDRAULIC MOTOR PUMP		
Item code No.	Specifications			
	Hydraulic locking device	Pump	Tank Type	
7014P6L	reversible	P6	Single	
701486P6L	reversible	P6	Double	
7022P6L	bidirectional	P6	Single	
702286P6L	bidirectional	P6	Double	
7014P12L	reversible	P12	Single	
701486P12L	reversible	P12	Double	
7022P12L	bidirectional	P12	Single	
702286P12L	bidirectional	P12	Double	



## TECHNICAL NOTES

NOTE: It is advised that the "P6" motor pump unit be preferably used.

The "P12" operating speed is twice as much that of "P6".

This value changes, though, according to the type of MEC 800 actuator fitted and the gate inertia.

NOTE: in case two actuators are fitted on each gate side, it is recommended that the double-tank motor pump unit be used.

NOTE: the double-tank motor pump is also required with actuators stroke 500 – 600 – 700 – 800 – 900 – 1.000 mm.

NOTE: an electric lock is needed with the non locking (reversible) version.