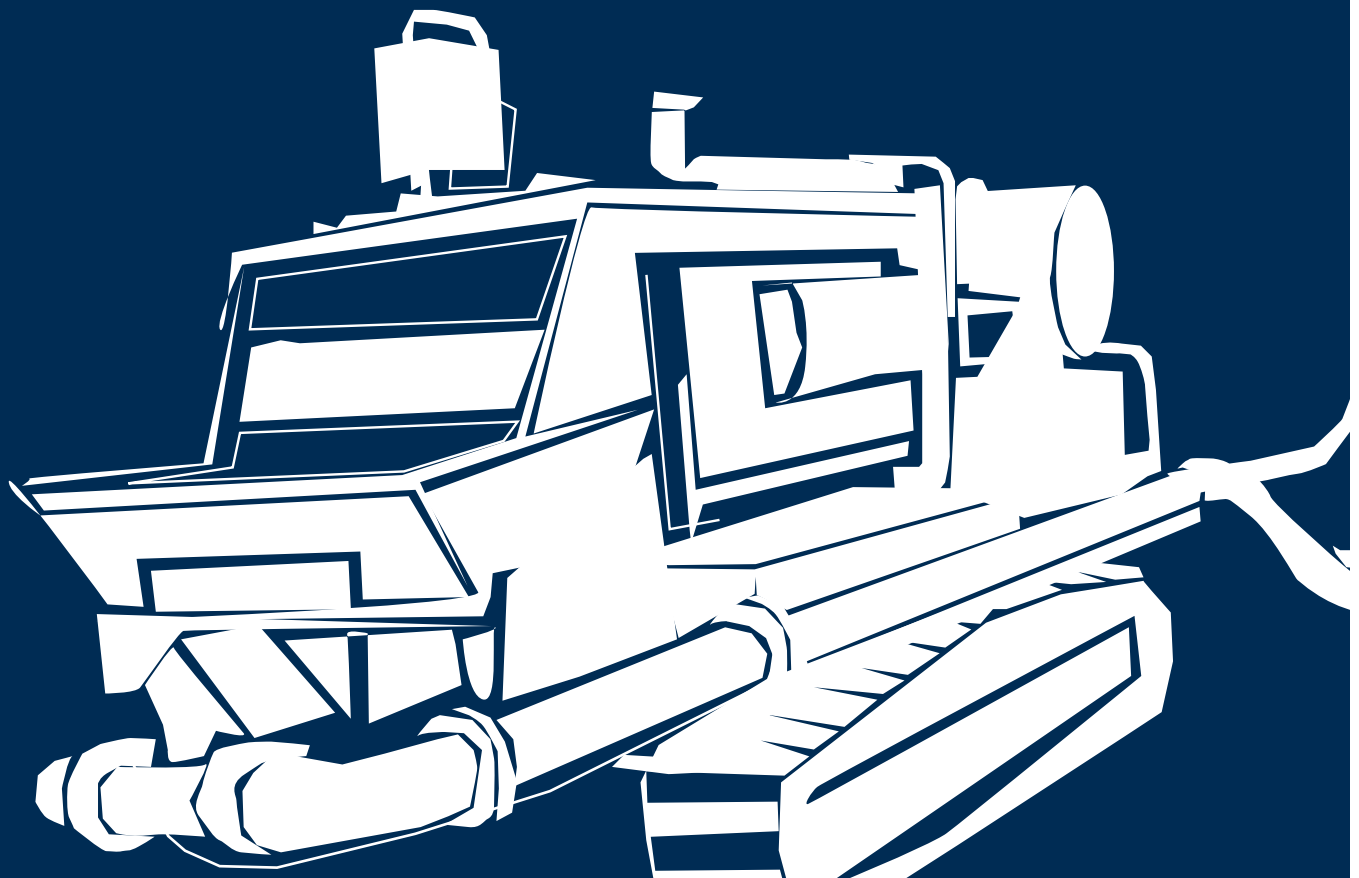


# CONCRETE PUMPS

JOB SITE EQUIPMENT



**MECBO**

**SOILMEC**   
Drilling and Foundation Equipment

# CONCRETE PUMPS

## JOB SITE EQUIPMENT

### A new model

After a few years of a valuable technical cooperation between SOILMEC S.p.A. and MECBO S.r.l., it has been designed, realized and successfully tested a revolutionary idea for concrete pumps, particularly suitable to be used in continuous flight auger drilling operations.

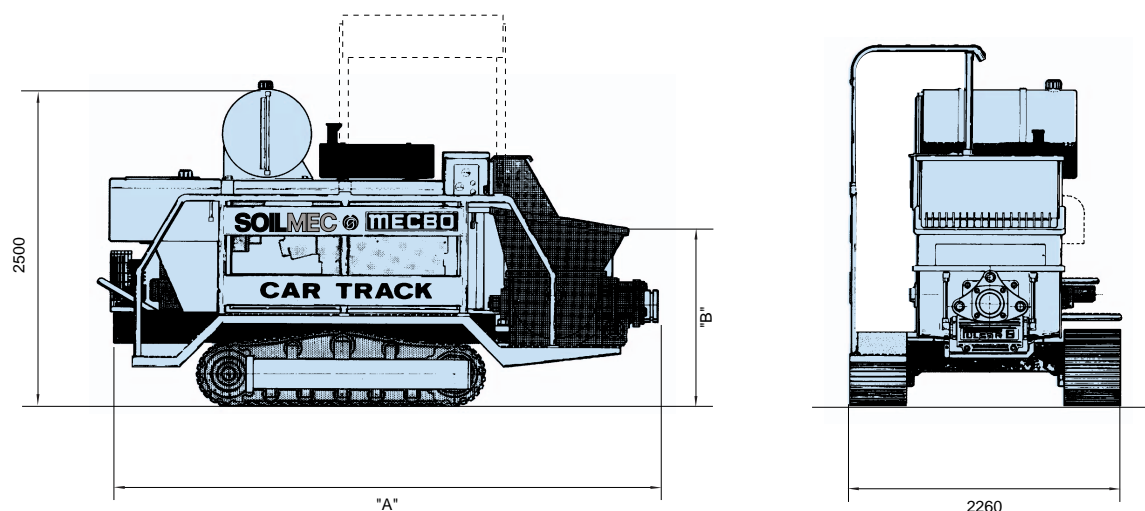
Self-propelled and crawler mounted pumping units have been specifically manufactured; one of the outstanding feature is that they can work closely to the hydraulic rotary rigs, C.F.A. version. This special type of pump incorporates a concrete pipe cleaner air compressor to be used after piling execution and a water tank for its own cleaning. Experts in this field, well understand the remarkable economic advantages of this pump compared to traditional concrete ones, without air compressors and water tanks.

Brands such as DEUTZ and CUMMINS' diesel engines, IDROMATIK-REXROTH hydraulic system, BERCO's crawler tracks, SIEMENS electrical systems and the steel abrasion resistance of the materials, have been chosen because of their high performances allowing high reliability and efficiency.

Last but not least, the so-called "PULSAR SYSTEM" patented by MECBO to actuate the "S" shape-valve; it saves up to 40 % energy compared to traditional piston pump systems.

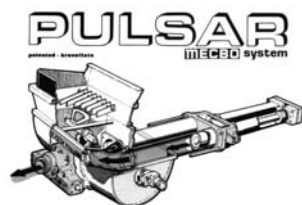
Several tests, carried out at Job Sites, have shown the validity of the equipment and with pride we affirm that SOILMEC has made a step further on the concreting technique in C.F.A. version.

On this respect a wide range of concrete pumps has been developed together with MECBO to satisfy the C.F.A. market requests.



### Concrete Pumps

Make / Model		P4.65	P6.80	P6.90	P6.100	P6.120
Nominal power	HP	120	150	180	180	180
Engine	type	F6L 912	BF6L 913	BF6L 913C	BF6L 913C	BF6L 913C
Cylinders diameter	mm	180	200	200	200	200
Cylinders stroke	mm	1400	1400	1600	1800	2000
Hopper capacity	lt.	400	450	450	450	450
Cycles per minute	n°	30	30	30	30	32
Delivery	mc/h	64	79	90	101	120
Gate pressure	BAR	50	50	50	50	50
Air compressor output	lt/m'	1050	1050	1050	1270	1270
Air compressor pressure	BAR	10	10	10	10	10
Gate diameter	mm	125 (5")	5" ÷ 6"	5" ÷ 6"	5" ÷ 6"	5" ÷ 6"
Pump weight	kg	6500	7000	7200	7800	8000
Dimensions	A	4700	4700	5100	5500	5900
	B	1300	1300	1400	1400	1400



The PULSAR system allows the movement of the "S" valve by a special device, driven by a tangential movement equipment to avoid the change of pressure that is present on pistons pumping system. This system saves of 30-40% of energy compared to the other systems.







SOILMEC distributes machinery and structures all over the world, supported by SOILMEC subsidiary companies and representative offices as:

**SOILMEC LTD** - U.K.

**SOILMEC MISR S.A.E. Co.** - Egypt

**SOILMEC (H.K.) Limited** - Hong Kong

**SOILMEC JAPAN CO LTD** - Japan

**SOILMEC S.P.A. - Beijing Repr. Office** - P.R. China

**SOILMEC FAR EAST PTE.LTD** - Singapore

**SOILMEC EMIRATES** - U.A.E.

**SOILMEC GULF** - U.A.E.

## CERTIFIED QUALITY SYSTEM

In 1990 Soilmec was awarded the certification of its own Quality System to ISO 9001/UNI 29001 series standards.



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