SERMAC®

TWINSTAR 4Z28



MADE IN ITALY

PLACING BOOM:
OPENING SYSTEM "Z"

PUMPING UNIT:
UP TO 80 m³/h

TOTAL WEIGHT:
< 22 t (48501 lb) on vehicle 4 axles

ASSEMBLY ON VEHICLE 4 AXLES:
WB 4,250 – 4,550 mm (13'11" - 14'11")

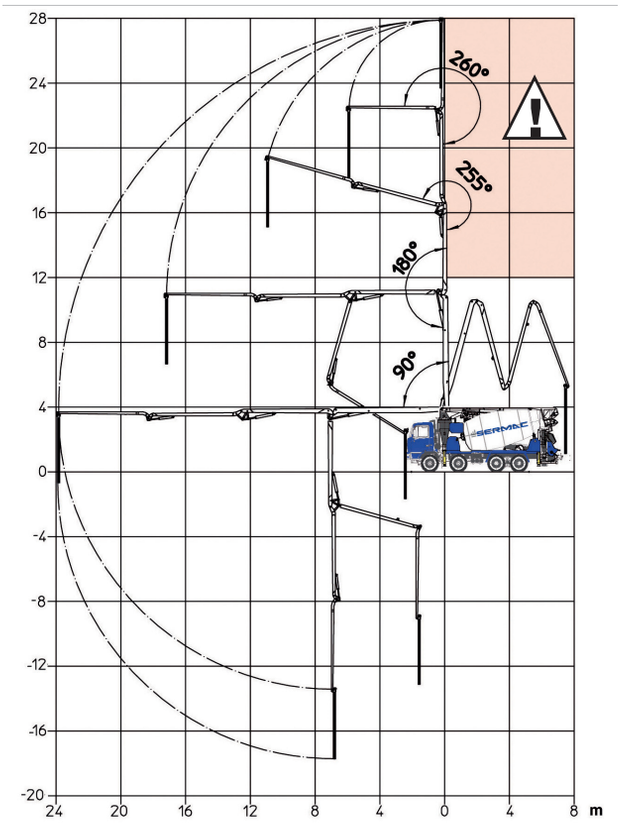
TECHNICAL CHARACTERISTICS

- Mixer pump produced, assembled and tested by SERMAC
- Structural integrity verified with the Finite Element Method (FEM)
- Pump frame designed for high torsion rigidity
- Suitable for assembly on 4-axle trucks
- Boom 4-stage, Z-folding type
- Pipeline diameter Ø 100 mm (4")
- Main components sourced from genuine German and Italian manufacturers
- Pumping unit with open hydraulic system and high manganese cast iron S-valve
- Drum with high load capacity, made with 4 bands to reduce the wears, with elliptical bottom in steel and cone to reinforce the attack flange reducer
- Ideal for working in tight spaces

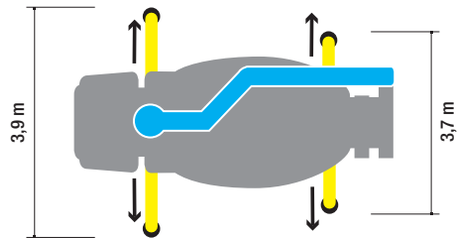
TWINSTAR 4Z28



NO WORKING AREA







*Dimensions variable according to the truck assembly

PUMPING UNIT	S6		G7
	BS6C07-73-54	BS6C07-73-70	BG7C08-80-80
THEORICAL OUTPUT (MAX)* ROD SIDE	73 m³/h - 95 yd³/h	73 m³/h - 95 yd³/h	-
THEORICAL OUTPUT (MAX)* PISTON SIDE	-	-	80 m³/h - 122 yd³/h
PRESSURE ON CONCRETE (MAX)* ROD SIDE	54 bar - 783 psi	70 bar - 1015 psi	-
PRESSURE ON CONCRETE (MAX)* PISTON SIDE	-	-	80 bar - 1232 psi
NUMBERS OF CYCLES PER MINUTES	48 '/min	48 '/min	42 '/min
PISTONS DIAMETER	180 mm	180 mm	200 mm
CONCRETE CYLINDERS	1000 mm	1000 mm	1000 mm
S-VALVE DIMENSION	6"	6"	7"
CONCRETE HOPPER CAPACITY	450 l	450 l	500 l

*Cannot be reached simultaneously

MIXER	
NOMINAL CAPACITY	8,5 m³
GEOMETRICAL DRUM VOLUME	14 m³
NUMBER OF RPM	0 - 16
ROLLING ROOLS	4
WATER TANK CAPACITY	800 l
OIL TANK CAPACITY	300 l







DISTRIBUTION BOOMS	
MAX. VERTICAL REACH	28,1 m (92'2")
MAX. HORIZONTAL REACH	24,1 m (79')
MAX. DOWNWARD REACH	- 18 m (59')
NUMBER OF BOOM SECTIONS	4
MIN. UNFOLDING HEIGHT	6,35 m (20'9")
BOOM ROTATION	370°
BOOM SECTION ARTICULATION	90° - 180° - 255° - 260°
BOOM UNFOLDING SYSTEM	Z
FRONT OUTRIGGERS	Horizontal
REAR OUTRIGGERS	Horizontal
FRONT OUTRIGGER SPAN	3,9 m (12'9")
REAR OUTRIGGER SPAN	3,7 m (7'2")
RUBBER END HOSE LENGHT	3,5 m

STANDARD EQUIPMENT

- Horizontal telescopic front and rear outriggers type
- Straight pipes made in single-wall steel. Bends made in casting
- Two sets of radio remote controls provided with 2-speed proportional boom control, automatic free frequency search, 8-position joysticks and concrete output control
- Wear compensation system between wear plate and wear ring. Wear plate and wear ring with tungsten carbide inserts
- Automatic hopper greasing unit with manual back-up system
- Automatic oil lubrication for piston rams
- Safety device on hopper door and hopper grate
- Electric vibrator on hopper grate
- Multi-stage water pump (130 l/min - 40 bar)
- Work light on hopper
- Metal bin for accessories beside hopper
- Warning horn on the boom
- Accessories for cleaning and maintenance

ELECTRONIC STABILITY CONTROL SYSTEM

- Sermac Control Stability (SCS)



ACCESSORIES ON REQUEST

- Straight pipes made in twin-wall with highly abrasion resistant induction hardened inner liner. Steel bends, double-walled flanges with wear-resistant chromium carbide insert
- Air compressor for pipeline cleaning (450 l/min)
- Additional work light on hopper
- Stop flow on end hose
- Kit pipeline pumping on ground
- Air charged sprayer for concrete release agent (25 l - 8 bar)
- Pressure washer with fan-shaped nozzle (17 l/min - 130 bar)
- Ecologic plug
- Overturning chute
- Additional outlet chute



TRUCK MOUNTED PUMPS



MIXER PUMPS



TRAILER PUMPS



STATIONARY BOOMS

SERMAC Srl

Sede centrale: Via A. Manzoni, 146 - 20811 Cesano Maderno, (MB) Italy
Tel. +39 0362 364 320 - Fax +39 0362 163 2000
info@sermacpumps.com

www.sermacpumps.com

Exclusive rights SERMAC S.r.l.: the brochure shows models, configuration possibilities (standard and options), technical details with reserve of modification for machines for transport and pumping of concrete, manufactured and distributed by SERMAC S.r.l. The brochure is meant for general information purposes only and the information it contains shall not be deemed a contractually binding document.