SERMAC®

TWINSTAR 4Z33



MADE IN ITALY

PLACING BOOM:
OPENING SYSTEM "Z"

PUMPING UNIT:
UP TO 73 m³/h

TOTAL WEIGHT:
< 25 t (55115 lb) on vehicle 4 axles

ASSEMBLY ON VEHICLE 4 AXLES:
WB 4,200 - 4,500 mm
(13'7" - 14'7")

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 112,5 mm (4"½)
- 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

MIXER PUMPS

TWINSTAR 4Z33

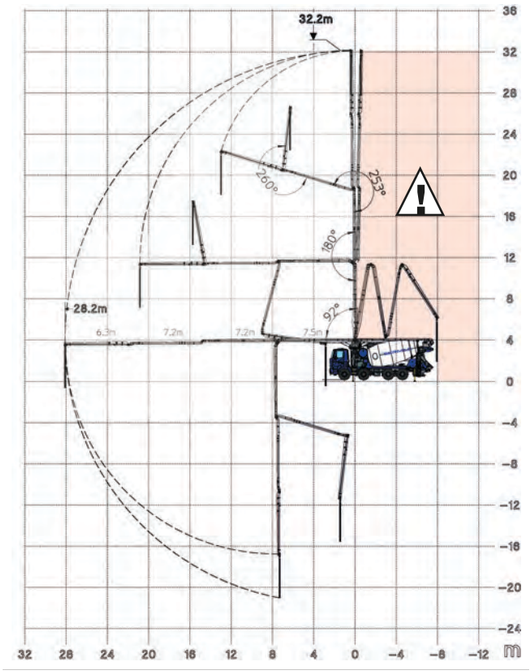


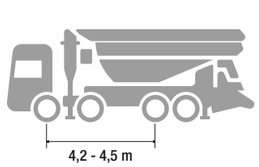




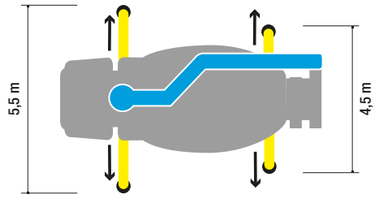


NO WORKING AREA









*Dimensions variable according to the truck assembly

DISTRIBUTION BOOMS

MAX. VERTICAL REACH	32,2 m (105'7")
MAX. HORIZONTAL REACH	28,2 m (92'6")
MAX. DOWNWARD REACH	-22 m (72'2")
NUMBER OF BOOM SECTIONS	4
MIN. UNFOLDING HEIGHT	7,4 m (24'3")
BOOM ROTATION	370°
BOOM SECTION ARTICULATION	90° - 180° - 255° - 260°
BOOM UNFOLDING SYSTEM	Z
FRONT OUTRIGGERS	Horizontal
REAR OUTRIGGERS	Horizontal
FRONT OUTRIGGER SPAN	5,5 m (18')
REAR OUTRIGGER SPAN	4,5 m (14'9")

STANDARD EQUIPMENT

- Horizontal telescopic front and rear outriggers type
- Straight pipes made in single-wall steel. Elbows made in manganese alloys with highly abrasion resistant and differentiated thickness
- 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

PUMPING UNIT

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

*Cannot be reached simultaneously

MIXER

NOMINAL CAPACITY	8,5 m³
GEOMETRICAL DRUM VOLUME	12 m³
NUMBER OF RPM	0 - 16
ROLLING ROOLS	4
WATER TANK CAPACITY	635 l
OIL TANK CAPACITY	360 l



ACCESSORIES ON REQUEST

- Straight pipes made in induction hardened double-wall steel with high resistance against abrasion wear. Bends made of manganese alloys with high wear resistance
- 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
- Sermac Control Stability (SCS)



TRUCK MOUNTED PUMPS

12 different pump models with modern front X-type outriggers and provided with booms with different fold configurations from 20m to 65m vertical reach.



MIXER PUMPS

4 models with Z-fold distribution booms from 21m to 33m vertical reach.



TRAILER PUMPS

7 different models in the combined 6” and 8” Series available in high- and low pressure models.



STATIONARY BOOMS

2 stationary boom models with 28m and 33m reach.

SERMAC Srl

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