



# PROMIX 60.TW (TWIN SHAFT MIXER) CONCRETE BATCHING PLANT

## TECHNICAL SPECIFICATIONS



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## GENERAL TECHNICAL SPECIFICATIONS

### AGGREGATE HOPPERS



CAPACITY	3x15 m <sup>3</sup> = 45 m <sup>3</sup>
UPPER CHAMBER	BOLT - DISASSEMBLY - 3 mm SPECIAL BENDING SHEET + SUPPORT PROFILE
CHASSIS TECHNICAL SPECIFICATIONS	150x250 5 mm SQUARE PROFILE
DISCHARGE FUNNEL	4 mm + 3 mm REINFORCED - REPLACEABLE WEAR PLATE
BEARING COVER	PILLOW BLOCK UCP 206
DISCHARGE GATE	3x2 PIECES
COVER DRIVE AND CONTROL	PNEUMATIC PISTON - ø80x320 FENITSA / LOCKED VALVE - 24 V DC
VIBROMOTOR	AVM 300/3 x 6 - AVIBRO - WITH CARRY HANDLE

### WEIGHING BELT UNDER AGGREGATE HOPPERS



CAPACITY	3200 KG
WEIGHING EQUIPMENT	2000 KG x 4 PCS / TUNA - S TYPE LOAD CELL - ADJUSTABLE CONNECTION
WEIGHING HOPPER	3 mm SPECIAL BENDING SHEET
FLOW CONTROL VALVES	3 mm 120° - CHAIN DISTANCE ADJUSTMENT
BELT CHASSIS AND TIRE SIZE	NPU 160 / EA 9800 x BG 800 mm - 4 LAYERS 10 mm
CONVEYOR ROLLER	ø60x300 BEARING WITH DUST RETAINING COVER
DRIVE	7,5 KW GEAR MOTOR
VIBROMOTOR	AVM 300/3 x 1

### AGGREGATE TRANSFER CONVEYOR



CAPACITY	160 TONS / HOUR
BAND CHASSIS - DIMENSIONS AND CHARACTERISTICS	NPU 200 / EA 30000 x BG 800 mm - 5 LAYERS 12 mm
BAND LEGS	CONNECTED FROM 4 PLACES - ADJUSTABLE
BELT SLIP BACKSTOP	ONE-WAY LOCK ON THE REDUCER
DRUM PULLEY BEARING	SNH 519 - BALL BEARING
TENSIONER DRUM PULLEY BEARING	UCT 216
CONVEYOR ROLLER	ø89x300 BEARING WITH DUST RETAINING COVER
DRIVE AND REDUCER	30 KW GEAR ENGINE - DG2 - 320 DIŞSAN BRAND

### CEMENT STORAGE SILO



CAPACITY AND TYPE	60 TON / BOLTED TYPE - STANDARD MODEL
BODY TECHNICAL SPECIFICATION	FUNNEL 8 mm - OTHER SECTIONS 5-4 mm
AIR VENT TECHNICAL SPECIFICATION	4" PIPE
MAINTENANCE COVER TECHNICAL SPECIFICATION	IN THE TOP OF THE SILO
DISCHARGE TECHNICAL SPECIFICATION	12" DOUBLE BUTTERFLY VALVE COMPATIBLE
UPPER SAFETY RING	1" 3/4" WELDED PIPE PASSING SYSTEM
LADDER TECHNICAL SPECIFICATION	SHEET METAL - BOLTED
PAINT	1 LAYER PRIMER - 1 LAYER RAPID PAINT

### CEMENT SCREW CONVEYOR



CAPACITY AND OPERATING ANGLE	18 TON / HOUR / 30-40°
BODY TECHNICAL SPECIFICATION	8" SEAMLESS PIPE X 9 m
FILLING PORT	12" UNIVERSAL
DISCHARGE	8" FIXED ANGLE
INTERMEDIATE BEARING	REPLACEABLE MILLING ATTACHMENT - LUBRICABLE
MAINTENANCE COVER	UNDER THE MOTOR
DRIVE	7,5 KW GEAR MOTOR
PAINT	1 LAYER PRIMER - 1 LAYER RAPID PAINT

### AGGREGATE HOLDING BUNKER



CAPACITY	1.8 dm <sup>3</sup>
BODY TECHNICAL SPECIFICATION	5 mm SHEET METAL
DISCHARGE FUNNEL	5 mm + 3 mm REINFORCED - REPLACEABLE WEAR PLATE
DISCHARGE GATE	1 UNIT
COVER DRIVE	PNEUMATIC PISTON - 2 x ø80x200 FENITSA
COVER CONTROL	LOCKED VALVE / 24 V DC - TEKNOFLUID
BEARING COVER	PILLOW BLOCK UCF 207
PAINT	1 LAYER PRIMER - 1 LAYER RAPID PAINT





# GENERAL TECHNICAL SPECIFICATIONS

## CEMENT - ADDITIVE - WATER WEIGHING SYSTEM



CEMENT	
CAPACITY / BODY SPECIFICATION	650 KG / 3 mm SHEET - ONE PIECE FLOW FACILITATING FUNNEL
WEIGHING EQUIPMENT	500 KG x 3 PCS - SHEAR BEAM LOAD CELL
SCREW CONVEYOR ENTRY PORT	8" x 2
DISCHARGE GATE	12" ACTUATOR VALVE - MICRO SWITCH CONTROL
COVER CONTROL	LOCKED VALVE / 24 V DC - TEKNOFLUID
VENTILATION	DRAIN TO MIXER WITH 2" BELLOW HOSE
VIBRATION DAMPER	3x Ø90x40 70 SHOR RUBBER WEDGE
SCREW - WEIGHING CONNECTION	8" RUBBER BELLOW

ADDITIVE	
CAPACITY	20 KG
BODY TECHNICAL SPECIFICATION	5 mm SEAMLESS PIPE
WEIGHING EQUIPMENT	100 KG x 1 PIECE - BENDING BEAM LOAD CELL
DISCHARGE GATE	1" PNEUMATIC VALVE
COVER CONTROL	LOCKED VALVE / 24 V DC - TEKNOFLUID
FEEDING	1" SEAMLESS PIPELINE x 3 LINES

WATER	
CAPACITY	270 L
BODY	3 mm SHEET - ONE PIECE FLOW FACILITATING FUNNEL
WEIGHING EQUIPMENT	500 KG x 3 PCS / TUNA - SHEAR BEAM LOAD CELL
DISCHARGE GATE	6" ACTUATOR VALVE - MICRO SWITCH CONTROL
COVER CONTROL	LOCKED VALVE / 24 V DC - TEKNOFLUID
VIBRATION DAMPER	3x Ø90x40 70 SHOR RUBBER WEDGE
FEEDING	2" SEAMLESS PIPELINE
WEIGHING - MIXER CONNECTION	6" RUBBER BELLOW

## CONCRETE MIXER



MIXER TYPE	TWIN SHAFT MIXER (ITALIAN) - 6+6 MIXING ARM
INTERNAL VOLUME CAPACITY	1500 L
WET CONCRETE CAPACITY	1000 L - TOTAL WEIGHT OF 2400 KG READY MIX CONCRETE
DRY CONCRETE CAPACITY	500 L - TOTAL WEIGHT OF 1200 KG, PAVAR, BLOCK CONCRETE
DISCHARGE GATE	SINGLE OUTPUT - DOUBLE ACTION AND LOCKED VALVE / 24 V DC
COVER DRIVE	Ø50 X 300 HYDRAULIC PISTON x 3 PCS
COVER CONTROL	LOCKED VALVE / 24V DC - STAGE DISCHARGE / OXIM
ELECTRIC MOTOR	2x18,5 KW - ECHTOP IE2
REDUCER	BREVINI - PLANETARY
BEARING	SPECIAL CASTING BODY - AUTOMATIC LUBRICATION
MAINTENANCE COVER	1 PIECE - WITH SAFETY SENSOR
BASE WEAR PLATE	25 mm NI HARD CASTING - REPLACEABLE - BOLTED
SIDE WEAR PLATE	15 mm NI HARD CASTING - REPLACEABLE - BOLTED
MIXER PALLETS	25 mm NI HARD CASTING - REPLACEABLE - BOLTED
AUTOMATIC LUBRICATION	DIGITAL DISPLAY AND PROGRAMMABLE

## CONTROL CABIN



DIMENSIONS	2,2m x 2,4 m x 4m
SIDE WALLS	5 cm EPS SANDWICH PANEL
FLOOR SPECIFICATIONS	20 mm BETOPAN - MINEFLO COATING
CEILING SPECIFICATIONS	5 cm GLASS WOOL
CHASSIS TECHNICAL SPECIFICATIONS	SPECIAL BENDING 120x120 SHEET PROFILE 2,5 mm
WINDOW SPECIFICATIONS	120x120 3 PIECES

## COMPRESSOR AND AIR INSTALLATION



CAPACITY - TYPE	500 L / MIN - PISTON COMPRESSOR
MOTOR POWER	5,5 KW
OPERATING PRESSURE	6-8 BAR (MAXIMUM 12 BAR)
PRESSURE SWITCH	ADJUSTABLE TANK TOP PRESSURE AUTOMATIC
VIBRATION DAMPER	Ø120 60 SHOR RUBBER WEDGE x 4 PCS



## GENERAL TECHNICAL SPECIFICATIONS



### PUMPS

WATER PUMP	350 L/MIN / HYDROPHORE
ADDITIVE PUMP	20 L/MIN / SINGLE LINE

### PLATFORM

BODY TECHNICAL SPECIFICATION	200x500 - 6 mm PROFILE
ASSEMBLY METHOD	STEEL CONSTRUCTION - DISASSEMBLED
FOOT TYPE	HINGED - FOLDABLE
NUMBER OF FLOOR	2 FLOOR (1- MIXER FLOOR / 2- WEIGHING FLOOR)
ROOF	TYPE V - GALVANIZED SHEET METAL
WALKING PATH 1st FLOOR	DOUBLE-SIDED
WALKING ROAD 2nd FLOOR	ONE SIDE
RAILING	1" - 3/4" WELDED PIPE PASSING SYSTEM
ILLUMINATION	U TYPE 2 x 36 WATT 10 SETS FLORASAN
PAINT	1 LAYER PRIMER - 1 LAYER RAPID PAINT



### ELECTRICAL PANEL AND SOFTWARE

SOFTWARE	BATCHMASTER (MULTI-LANGUAGE SUPPORT)
SCADA	DELIVERY NOTE - INVOICING SYSTEM
MATERIAL USED	1. QUALITY ORIGINAL SIEMENS - SCHNEIDER
PLC	SIEMENS SIMATIC / S7 - 1200
POWER PANEL	2 UNITS IN THE CABIN - 1 UNIT ON THE HOPPER
REMOTE CONNECTION	YES
SYSTEM PROTECTION	WITH ONLINE UPS - PLC PROTECTION
ELECTRIC PANELS	IMPACT RESISTANT - IP65 CLASS PROTECTION
STARTING MIXER	SOFT STARTER (SPECIAL MOTOR START SYSTEM)
CURRENT DIAGRAM	MIXER MOTOR CURRENT CONTINUOUS MONITORING-CONTROL
MIMIC DIAGRAM	BUTTONS PLACED ON THE TECHNICAL DRAWING
PRESSURE SWITCH	MIN 6 BAR LINE TYPE SWITCH
CAMERA SYSTEM	1 UNIT - IP
SOUND SYSTEM	150 W SPEAKER x 2 PCS + MICROPHONE



### TECHNICAL DRAWING

