

OVAL INTL.

OVALMATIC®

MODEL

E8700

UNITYER®

A series of dark green, wavy, horizontal lines that sweep across the bottom half of the page, creating a sense of motion and depth.

MODEL

E8700

OVALMATIC® UNITYER®

FEATURES AND BENEFITS

OVAL INTL.



ALL ELECTRIC WIRE TYING FUNCTIONS

Minimize hydraulic functions

TRACK

Proven low friction passive track design

AC VARIABLE FREQUENCY DRIVES

Closed loop control for Twister and Feed/Tension Unit gearmotors

ON-BOARD PLC

- HMI (Touchscreen) with built in diagnostics
- Safe 24 Volt DC control with E-Stop and motor control relay

OPEN DESIGN

Allows easy access for inspection and maintenance

TWISTER HEAD

All functions are cam and gear driven

NO TWISTER HEAD ADJUSTMENT



THE TIES THAT BIND

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STANDARD SPECIFICATIONS

OVAL^{INTL.}

TYING WIRE RECOMMENDED	Ovalmatic® Quality Unitizing Wire
HYDRAULICS	Self contained hydraulic power unit using Parker directional valves and Parker axial piston pump
COMPACTING FORCES	TOP COMPACTOR. 9,980 kgf (22,000 lbs) SIDE COMPACTOR. 2,000 kgf (4,400 lbs)
COMPACTING OPENINGS	Up. 2,360 mm (92.9 in.) Down. 1,260 mm (49.5 in.) Side Out. 2,051 mm (81 in.) Side In. 957 mm (37.7 in.) Other sizes are available to meet customer's requirements.
ELECTRICAL SERVICE	380-575 VAC, 3PH, 50/60 Hz, WYE with solid ground, 7.5KVA supply. A transformer may be required. Excluding conveyor and hydraulic unit power requirements.
ELECTRICAL MOTORS	FEED/TENSION. 3.7 kW (5 HP) NORD gear motor with de-centralized VFD TWISTER HEAD. 1.5 kW (2 HP) NORD gear motor with de-centralized VFD CONVEYOR DRIVE. (2) 1.5 kW (2 HP) 380-575 VAC, 3 PH, 50/60 Hz reversible NORD gear motor HYDRAULIC UNIT. 11.5 kW (15 HP) pump motor OPTIONAL. 1.5 kW Tank heater. All motors are supplied with equipment. Motor Control. Nord de-centralized drives. Motor starters or variable frequency drives for conveyors, hydraulic units and contactor for optional tank heater, are customer supplied.
ELECTRICAL INTERLOCKS	Discrete I/O. OPTIONAL. Ethernet, Profibus
ELECTRICAL CONTROL	STANDARD PLC. Allen Bradley Control Logix and Maple Systems HMI OPTIONAL PLC. Siemens 1200 Series with Maple Systems HMI CONTROL VOLTAGE. 24 VDC
ELECTRICAL COMPONENTS	All components meet CE/UL/CSA standards
ELECTRICAL WIRING	PROXIMITY SWITCHES WITH CONNECTORS. 0.21 - 0.33 mm ² (24-22 AWG) stranded cable STANDARD. 0.52-3.31 mm ² (20-12 AWG) stranded cable PRIMARY. 5.26 mm ² (10 AWG) stranded cable
CHAIN CONVEYOR	Chain conveyor- powered forward/reverse, 9mpm (30 fpm). Conveyors are controlled by customer.
CONVEYOR GAP	1,372 mm (54 in.)
CONVEYOR HEIGHT	533 mm (21 in.) min.
COOLING	Air/Oil Heat Exchanger
PNEUMATICS	Required for auto air blast. 5.5-6.9 Bar, 57 L/min. (80-100PSIG, 2 SCFM) Air supply must be clean and dry OPTIONAL. Wire Lubricator OPTIONAL. Twister Pinion Lubricator
MACHINE WEIGHT	6,800 kg (15,000 lbs)
MACHINE HEIGHT	3,825 mm (150.6 in.) standard at 508 mm (20 in.) minimum conveyor height
MACHINE WIDTH	4,775 mm (188 in.)



THE TIES THAT BIND

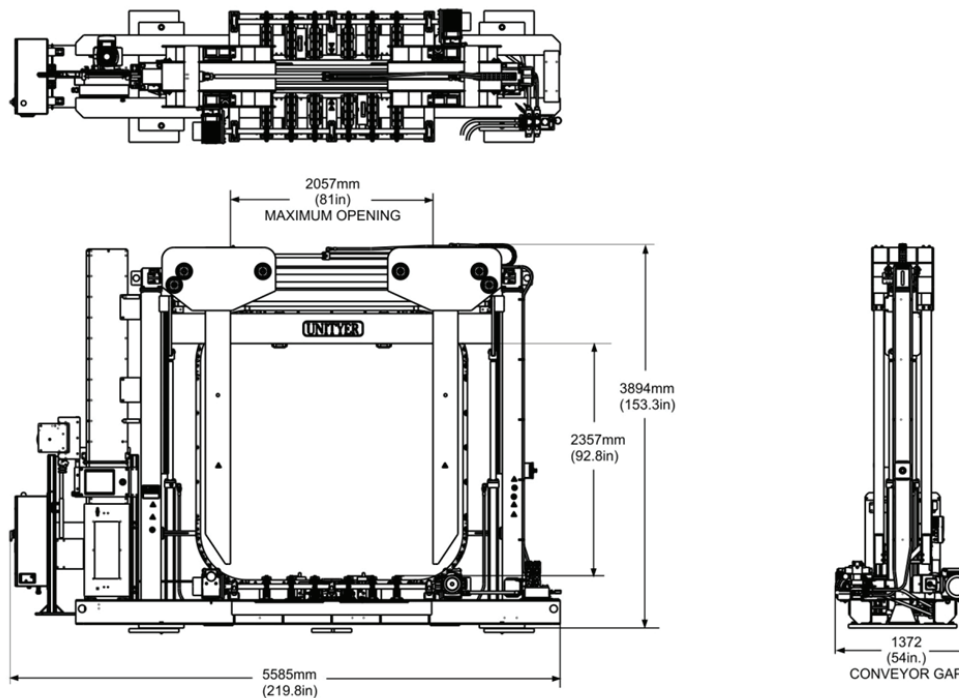
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STANDARD ARRANGEMENT

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OVALMATIC® COMPONENTS

The core of the Unityer® is built on five Ovalmatic® components

1. Feed and Tension Assembly
2. Twister Assembly
3. Track Assembly
4. Frame Assembly
5. Control Assembly

Each of these assemblies is designed to provide maximum accessibility for inspection and maintenance function.

ALL ELECTRIC DESIGN

All tying functions are electronically driven using closed loop AC drives

1. Automatic Wire Threading
2. Feeding
3. Tensioning
4. Accumulation
5. Gripping

COMPACTORS

1. Side Compactors
2. Top Compactors