



A.V.W. Equipment Co., Inc.
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Manufacturers of Automatic Car Wash Equipment

Dual Belt Conveyor Specifications

Specification

Frame Construction

Frame Coating

Demonstrated Frame Service Life

Belt Type

Belt Material

Belt Dimensions (Dual Belts)

Conveyor Width

Belt Duty

Belt Thickness

Pusher Flight (Row) Width

Flight (Row) Spacing

Pusher Height

Hinge Pin Material

Hinge Pin Diameter

Belt Color

Belt Edging

Pusher Color

Belt Load Capacity

Documented Belt Service Life

Minimum Belt Speed

Maximum Belt Speed

Maximum Cars/Hour

Assumed Vehicle Spacing Distance

Belt Simultaneous Vehicle Capacity

Truck/SUV to Car Ratio

Motor Horsepower

Motor Mount Type

Electric Motor

Motor Controller

VFD Panel

SS Wear Plate Thickness

Shaft Bearing Alignment Adjustment

Belt Guide Roller Forced Drift Protection

Super long life composite return rollers

Fiberglass Grating Thickness

Fiberglass Grating Rated Load

Fiberglass Grating Color

Standard

Heavy Duty A 36 C 5 x 6.7

Structural C-Channel

Red oxide primer

13 years

Dual

Engineered polymer

30" x conveyor length, ea,

8'-4"

Standard duty

3/4"

18"

12-13-14 split pitch (27"-28"-29"-28")

2" and 1" Alternating

Engineered Polymer

5/16"

Blue

Blue

Yellow

340 lbs/ft conveyor length

670,000 washes

27 ft/min

80 ft/min

218

22 ft (19' long + 3' spacing)

Belt Length ÷ 22 ft, 13 max

Design assumption is 100%

20 HP

Single center mount

TEFC Inverter Duty

Variable Frequency Drive

VFD w/ Speed Control & E-stop

3/16"

Drive and Take-up End

Drive & Take-up

Standard

1-1/2"

1300 lbs molded

Blue

Options

Stainless Steel

Black or Blue Primer additional

42" x conveyor length, ea,
upcharge

10'-4"

Heavy duty

1"+

16-13 pitch. 5-6-7-6 pitch

1", 1-1/2", 2"

Composite, stainless steel

3/8"

Black, Red, Green

Black, Red, Green, Yellow

Blue, Black, Red, Green

Custom designs to 101,000 lbs

28/min

84 ft/min

230

10 HP, 15 HP, 25 HP, 40 HP

Dual side mount

TEFC Inverter Duty

Variable Frequency Drive

Dual drive

Added any section, upcharge

1495 lbs pultruded

Dark Gray, Red, Yellow



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Dual Belt Conveyor Features and Functional Options

Dirt and debris is continuously swept downbelt to periodic extraction points in the glide (wear) plates where it drops into a sloped drainage trough that is rinsed into the center trench pit by routine cleaning.

Standard

Water manifolds on the take-up (entrance) and drive (exit) sections of the conveyor rinse the underside of the belt to loosen dirt and lubricate the sprockets and belt. Each manifold uses approximately 2.5 gpm fresh or reclaim water for a total of 10 gpm, adjustable by choice of nozzle size.

Standard

Belt is lubricated and flushed by soap applicators and low and high pressure rinse arches.

Standard

Additional rinse manifolds can be added at 5 foot intervals on each side of the conveyor, requiring approximately 1 gpm per foot length of conveyor, adjustable by nozzle selection.

Optional at extra charge

Automatic drive and take-up shaft bearing lubrication to reduce (not eliminate) maintenance cost; still requires monthly inspections.

Optional at extra charge

Belt puller with electric winch for belt closure. Saves time when opening and closing belt for maintenance.

Optional, sold separately

Conveyor washdown with car wash prep/cleaning gun, hose reel, injury hazard elimination lockout relay.

Sold separately as standard car wash equipment

Conveyor Pulse Switch measures conveyor speed.

Standard

Required by all car wash controllers

Conveyor Variable Frequency Drive (VFD) Motor Control Center (MCC) for speed and direction control, integrated to tunnel controller.

Standard unit available at additional cost. Required, but may be supplied by electrical contractor.

Trench steel for concrete imbeds to facilitate installation.

Available at additional cost. Required, but may be obtained locally or through concrete contractor to avoid shipping costs.

Glycol/water based concrete heating system prevents freezing.

Optional at extra charge; standard car wash package.

Alternative heating system to use car wash equipment heat to advance belt inside and thaw belt.

Integral purchase with car wash equipment.