MODEL 751RB
HEAVY DUTY ROLLER BED BELT CONVEYOR

24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 5'-0" TO 100'-0"

Roach 751RB is the choice for heavier unit loads. The heavy duty roller bed construction makes model 751RB ideal for transporting heavy loads with low power requirements.

SPECIFICATIONS

BELTING: PVC-120 black.

CARRIER ROLLERS: 2-1/2" dia. x 11 ga. steel, model 251S.

DRIVE PULLEY: 8" dia. with 1-7/16" dia. shaft on 15"-39" BF; 12" dia. with 1-15/16" dia. shaft above 39" BF; both machine crowned and fully lagged.

TAIL PULLEY: 4" dia. with 1-3/16" dia. shaft on 15"-39" BF; 6" dia. with 1-7/16" dia. shaft above 39" BF; both machine crowned.

RETURN ROLLERS: 1.9" dia. x 16 ga. steel, model 196S, adjustable.

BELT SPEED: 35 FPM, constant.

END DRIVE: Allows one-direction (unit) operation; add optional center drive for reversible application.

TAKE-UP: Screw type unit at tail pulley provides 12" belt take-up.

BEARINGS: All pulley bearings are precision, heavy duty, lubricated, ball bearing units with cast iron housings.

BED: 7" x 1-1/2" x 10 ga. channel frame. Bed sections attach with couplings and floor supports.

SAFETY POP-OUT ROLLERS: Standard on both ends, 1.9" x 12 ga. steel, model 192S on 15"-39" BF, 1.9" x 9 ga. steel, model 199S on 45"-57" BF.

SQUARING RODS: Adjustable rods on underside of bed allow frame to be squared for improved belt tracking and are standard on all units over 30'.

ROLLER CHAIN: Drive pulley is driven by No. 50 roller chain for 1-1/2 HP or less and No. 60 chain on larger drives. Chain take-up provided on motor base.

MOTOR DRIVE: 1 HP, 230/460/3, 60 cycle, ODP right angle gear motor.

ELECTRICAL CONTROLS: Optional.

WARNING
Prevent pinch points that exist when belt conveyors are permanently attached to other conveyors or equipment!
**SPECIFICATION TABLE**

- 24 hour shipment
- 3 week shipment

<table>
<thead>
<tr>
<th>CONVEYOR LENGTH</th>
<th>10'</th>
<th>20'</th>
<th>30'</th>
<th>40'</th>
<th>50'</th>
<th>60'</th>
<th>70'</th>
<th>80'</th>
<th>90'</th>
<th>100'</th>
<th>Deduct</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELT BF OAW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Per Foot</td>
</tr>
<tr>
<td>15” 18” 12”</td>
<td>499</td>
<td>892</td>
<td>1285</td>
<td>1677</td>
<td>2070</td>
<td>2463</td>
<td>2856</td>
<td>3248</td>
<td>3641</td>
<td>4034</td>
<td>39</td>
</tr>
<tr>
<td>21” 24” 18”</td>
<td>619</td>
<td>1104</td>
<td>1588</td>
<td>2073</td>
<td>2557</td>
<td>3042</td>
<td>3526</td>
<td>4011</td>
<td>4495</td>
<td>4980</td>
<td>49</td>
</tr>
<tr>
<td>27” 30” 24”</td>
<td>739</td>
<td>1315</td>
<td>1892</td>
<td>2468</td>
<td>3044</td>
<td>3620</td>
<td>4197</td>
<td>4773</td>
<td>5349</td>
<td>5925</td>
<td>57</td>
</tr>
<tr>
<td>33” 36” 30”</td>
<td>859</td>
<td>1527</td>
<td>2193</td>
<td>2863</td>
<td>3531</td>
<td>4199</td>
<td>4867</td>
<td>5535</td>
<td>6203</td>
<td>6871</td>
<td>67</td>
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<tr>
<td>39” 42” 36”</td>
<td>979</td>
<td>1739</td>
<td>2499</td>
<td>3258</td>
<td>4018</td>
<td>4778</td>
<td>5538</td>
<td>6297</td>
<td>7057</td>
<td>7817</td>
<td>76</td>
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<tr>
<td>45” 48” 42”</td>
<td>1099</td>
<td>1951</td>
<td>2802</td>
<td>3654</td>
<td>4505</td>
<td>5357</td>
<td>6208</td>
<td>7060</td>
<td>7911</td>
<td>8763</td>
<td>85</td>
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<tr>
<td>51” 54” 48”</td>
<td>1219</td>
<td>2162</td>
<td>3106</td>
<td>4049</td>
<td>4992</td>
<td>5935</td>
<td>6879</td>
<td>7822</td>
<td>8765</td>
<td>9708</td>
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<tr>
<td>57” 60” 54”</td>
<td>1339</td>
<td>2374</td>
<td>3409</td>
<td>4444</td>
<td>5479</td>
<td>6514</td>
<td>7549</td>
<td>8584</td>
<td>9619</td>
<td>10654</td>
<td>104</td>
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</tbody>
</table>

Deduct the following weights (lbs.) for other than 3” centers

<table>
<thead>
<tr>
<th>Roller Centers</th>
<th>15” BF Per 10’</th>
<th>21” BF Per 10’</th>
<th>27” BF Per 10’</th>
<th>33” BF Per 10’</th>
<th>39” BF Per 10’</th>
<th>45” BF Per 10’</th>
<th>51” BF Per 10’</th>
<th>57” BF Per 10’</th>
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</thead>
<tbody>
<tr>
<td>4-1/2”</td>
<td>-72</td>
<td>-90</td>
<td>-112</td>
<td>-136</td>
<td>-158</td>
<td>-178</td>
<td>-200</td>
<td>-220</td>
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<tr>
<td>6”</td>
<td>-144</td>
<td>-180</td>
<td>-224</td>
<td>-272</td>
<td>-316</td>
<td>-356</td>
<td>-400</td>
<td>-440</td>
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<tr>
<td>9”</td>
<td>-186</td>
<td>-234</td>
<td>-300</td>
<td>-354</td>
<td>-410</td>
<td>-464</td>
<td>-518</td>
<td>-572</td>
</tr>
<tr>
<td>12”</td>
<td>-216</td>
<td>-270</td>
<td>-336</td>
<td>-408</td>
<td>-474</td>
<td>-534</td>
<td>-600</td>
<td>-660</td>
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</table>

**OPTIONAL EQUIPMENT**

**BELTING:** Black PVC ruff-top; 3-plex brown neoprene ruff-top; PVC-120 white food grade COS; PVC-150 black COS; 3-plex CN 40 urethane cover. Consult factory for other beltings.

**CENTER DRIVE:** Reversible drive with integral belt take-up of 24”. Specify location. Center drive option available on units 6'-0” long and above.

**SIDE MOUNTED END DRIVE:** Provides minimum conveyor height of 12” TOB (8” dia. drive pulley); 16” TOB (12” dia. drive pulley).

**OVERHEAD END DRIVE:** Provides minimum conveyor height of 12” TOB (8” dia. drive pulley); 16” TOB (12” dia. drive pulley).

**AUXILIARY TAKE-UP:** Provides 24” of belt take-up. Specify location. See Power Accessories.

**FLOOR SUPPORTS:** Supports, knee braces, casters and polymer supports available. See Conveyor Accessories.

**GUARD RAILS:** HFSG in 2”, 4” and 6” heights; 1-1/2” angle (model HGA1-1/2). See Conveyor Accessories.

**NOSE-OVER:** Provides smooth transition from incline to horizontal position. Consult factory.

**SIDE TABLES:** Available in 9”, 15” and 21” widths. Consult factory.

**BELT SPEED:** Constant speed 12-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available.

**NOTE:** CAPACITY CHANGES WITH SPEED.

**CEILING HANGERS:** Heavy duty with hardware to attach rods to conveyor. Consult factory.

**MOTORS:** Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

**ELECTRICAL CONTROLS:** Magnetic starter (one direction or reversible); One direction manual starter; Momentary start/stop push button station; Forward/reversing/stop push button station. Mounting and pre-wiring for units up to 12’ long.