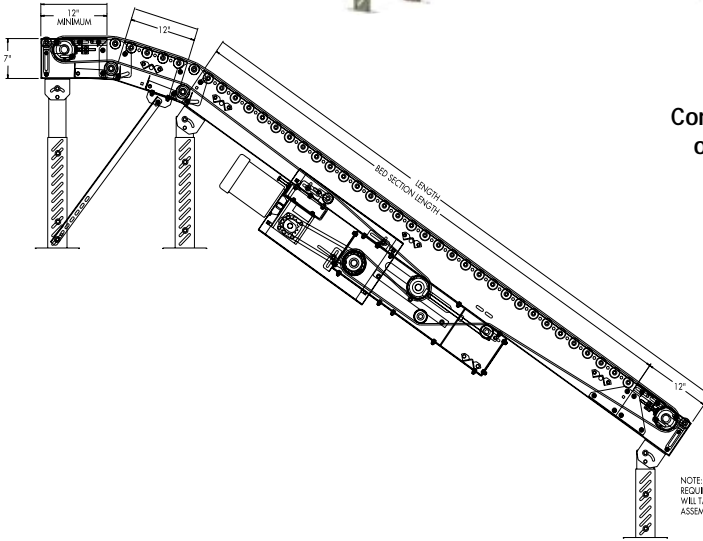


MODEL 796RBF ROLLER BED INCLINED FLOOR-TO-FLOOR BELT CONVEYOR

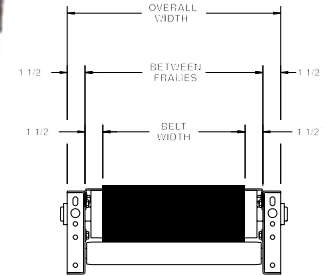
24 HOUR SHIPMENTS INCLUDE ALL 1-FOOT INCREMENTS 10'-0" TO 50'-0"



Model 796RBF floor-to-floor conveyor provides higher load capacity, reversible flow and nose-over allows for simple adjustments for inclines 0-35°. Shown with optional supports, knee braces, chain driven feeder and right hand drive. All units furnished standard with left hand drive.



Conveyor shown with optional supports



| HP@ 60 FPM | "A" MAX | | "B" MAX | |
|---------------|---------|---------|-----------|-----------|
| | 4" DRV. | 8" DRV. | 4" DRV. | 8" DRV. |
| 1/3 | 16-5/8" | 17-5/8" | 58-5/32" | 58-5/32" |
| 1/2 | 16-5/8" | 17-5/8" | 58-5/32" | 58-5/32" |
| 3/4 | 17" | 17-5/8" | 58-25/32" | 58-25/32" |
| 1 | 17-1/4" | 17-5/8" | 59-17/32" | 59-17/32" |
| 1-1/2 | 18-1/8" | 18-1/8" | 61-21/32" | 61-21/32" |
| 2 | 19" | 19" | 62-21/32" | 62-21/32" |

NOTE: WHEN CHAIN FEEDER IS REQUIRED END DRIVE ASSEMBLY WILL TAKE PLACE OF BELT END ASSEMBLY FOR CONNECTION.

SPECIFICATIONS

BELTING: Black PVC ruff-top.

CARRIER ROLLERS: 1.9" dia. X 16 ga. steel, model 196S.

DRIVE PULLEY: 8" dia. with 1-7/16" dia. shaft, both machine crowned and fully lagged.

TAIL PULLEY: 4" dia., machine crowned, with 1-3/16" dia. shaft.

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

CENTER DRIVE: Reversible drive with 24" integral belt take-up.

SAFETY POP-OUT ROLLER: Standard on both ends, 1.9" dia. x 16 ga. steel roller, model 196S.

BELT SPEED: 60 FPM, constant.

BED: 7" x 1-1/2" x 12 ga. channel frame. Bed sections attached with couplings and floor supports.

NOSE-OVER: Provides smooth transition from incline to horizontal. Single nose-over adjusts 0-20°; double nose-over adjusts 0-35° (specify single or double).

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

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

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.

FLOOR SUPPORTS: Optional.

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 ■ 2 week shipment

| CONVEYOR LENGTH | | | 10' | 15' | 20' | 25' | 30' | 35' | 40' | 45' | 50' |
|-----------------|-----|-----|--|------|------|------|------|------|------|------|------|
| BELT | BF | OAW | Unit weights (lbs.) with 6" roller centers (For other centers, deduct weights below) | | | | | | | | |
| 12" | 15" | 18" | 395 | 485 | 573 | 663 | 751 | 841 | 929 | 1019 | 1107 |
| 18" | 21" | 24" | 436 | 536 | 635 | 735 | 834 | 934 | 1033 | 1133 | 1232 |
| 24" | 27" | 30" | 495 | 615 | 735 | 855 | 973 | 1093 | 1211 | 1331 | 1451 |
| 30" | 33" | 36" | 543 | 678 | 817 | 952 | 1091 | 1226 | 1334 | 1469 | 1639 |
| 36" | 39" | 42" | 590 | 745 | 903 | 1058 | 1216 | 1371 | 1529 | 1684 | 1854 |
| 42" | 45" | 48" | 672 | 872 | 1078 | 1276 | 1484 | 1686 | 1890 | 2092 | 2301 |
| 48" | 51" | 54" | 754 | 1004 | 1255 | 1304 | 1756 | 2006 | 2257 | 2508 | 2758 |

Deduct the following weights (lbs.) for other than 6" centers

| Roller Centers | 12" BELT | | 18" BELT | | 24" BELT | | 30" BELT | | 36" BELT | | 42" BELT | | 48" BELT | |
|----------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| | Per 5' | Per 10' | Per 5' | Per 10' | Per 5' | Per 10' | Per 5' | Per 10' | Per 5' | Per 10' | Per 5' | Per 10' | Per 5' | Per 10' |
| 9" | -9 | -18 | -12 | -24 | -15 | -30 | -18 | -36 | -21 | -42 | -24 | -48 | -27 | -54 |
| 12" | -15 | -30 | -20 | -40 | -25 | -50 | -30 | -60 | -35 | -75 | -40 | -80 | -45 | -90 |

OPTIONAL EQUIPMENT

BELTING: 3 ply, brown neoprene ruff-top. Consult factory for other belting.

SIDE MOUNTED END DRIVE: Available as option when necessary to move center drive for unit clearance. Minimum horizontal nose-over length required is 3' (2' horizontal may be used if product does not overhang conveyor OAW).

192S CARRIER ROLLERS: 1.9" dia. x 12 ga. steel carrier rollers, model 192S, available in model 192RBF.

UNDERTRUSSED BED: Available to provide clearance underneath unit at bed joint locations. Specify location for undertrussing and desired clearance underneath unit. Consult factory.

FLOOR SUPPORTS: Various height adjustable supports and knee braces available. See Conveyor Accessories.

POWERED FEEDER: Integral belt feeder or separate chain driven belt feeder.

CEILING HANGERS: 5/8" dia. threaded rod w/ hardware to attach rods (specify rod length) to conveyor. See Conveyor Accessories.

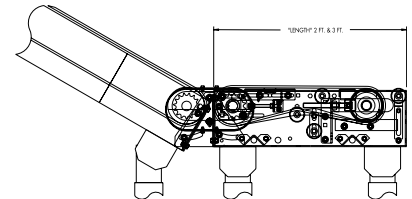
GUARD RAILS: 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 10" wider than belt and vertically to 6" above belt; formed steel fixed (model FSG in 2", 4", 6", 8", 12", and 18" heights. See Conveyor Accessories.

BELT SPEED: Constant speed 3-120 FPM; DC variable speed; AC inverter variable speed. Other constant or variable speeds available.
NOTE: CAPACITY CHANGES WITH SPEED.

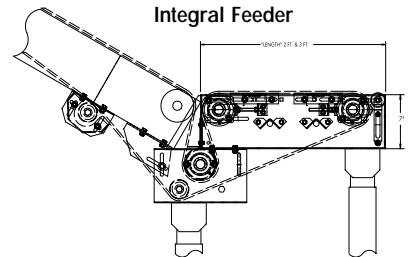
MOTORS: Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

ELECTRICAL CONTROLS: Magnetic starter (one direction or reversible); One direction manual starter; Momentary start/stop push button station; For-ward/reversing/stop push button station.

Chain Feeder



Integral Feeder



OPTIONAL CHAIN DRIVEN FEEDER



OPTIONAL INTEGRAL FEEDER

