

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 FEED 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 position. 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'	20'	30'	40'	50'	Deduct
BELT	BF	OAW	Unit weights (lbs.) with 6" roller centers (For other centers, deduct weights below)					Per Foot
12"	15"	18"	730	930	1130	1331	1531	22
18"	21"	24"	857	1111	1364	1618	1872	27
24"	27"	30"	983	1291	1598	1906	2213	32
30"	33"	36"	1110	1471	1832	2194	2555	38
36"	39"	42"	1237	1652	2066	2481	2896	43
42"	45"	48"	1363	1832	2300	2769	3238	48
48"	51"	54"	1234	1776	2319	2861	3403	54

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.

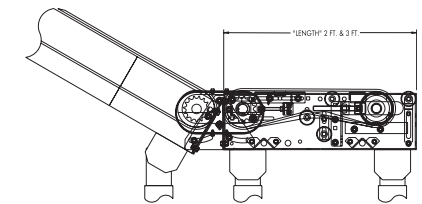
GUARD RAILS: 1-3/4" x 1" formed channel (model GC), adjusts horizontally to 10" wider than belt and vertically to 6" above belt; formed steel fixed (model FSG in 2", 4", 6", 8", 12", and 18" heights. See Conveyor Accessories.

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.

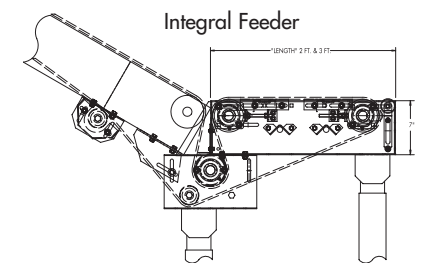
MOTORS: Available through 3 HP in TEFC, explosion proof, dirty duty, brake motor, 115/230/1, 575/3, etc.

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

Chain Feeder



Integral Feeder



OPTIONAL CHAIN DRIVEN FEEDER



OPTIONAL INTEGRAL FEEDER

