

TRACTION ELEVATORS
FLOOR TO FLOOR PERFORMANCE TIME SELECTION
(SECONDS = ± 0.2)

BRAKE TO BRAKE +

GEARED = FLOOR HEIGHT X 60 ÷ FPM + 4.4 SECONDS

GEARLESS = FLOOR HEIGHT X 60 ÷ FPM + 3.6 SECONDS

	SPEED F.P.M.	DOOR TYPE AND OPENING WIDTH								ADJUSTMENTS* PER FOOT OF TRAVEL FROM 12' - 0" STANDARD
		SIDE OPENING				CENTER OPENING				
		36"	42"	48"	54"	36"	42"	48"	54"	
GEARED RANGE	200	11.2	12.0	12.8	13.6	9.5	10.0	10.5	11.0	0.3
	250	10.8	11.6	12.5	13.3	9.2	9.7	10.2	10.7	0.25
	300	10.4	11.3	12.1	12.9	8.9	9.3	9.8	10.3	0.2
	350	10.2	11.1	11.9	12.7	8.7	9.1	9.6	10.1	0.2
	450	10.0	10.9	11.7	12.5	8.5	8.9	9.4	9.9	0.2
GEARLESS RANGE	500	9.1	10.0	10.8	11.6	7.6	8.0	8.5	9.0	0.18
	700	9.1	10.0	10.8	11.6	7.6	8.0	8.5	9.0	0.18
	800	9.1	10.0	10.8	11.6	7.6	8.0	8.5	9.0	0.18
	1000	9.1	10.0	10.8	11.6	7.6	8.0	8.5	9.0	0.18
	1200	9.1	10.0	10.8	11.6	7.6	8.0	8.5	9.0	0.18

* Values are based on 7' 0" to 7' 6" high doors. For 7' - 6" to 8' - 6" high doors,
add following factor: 1/2 second for widths up to 42"
1 second for widths over 42"

** Values are based on 12' - 0" floor to floor height. Adjust using factors noted for variation
from this standard.

Find rated speed in the 1st column. Select standard floor to floor performance time from box under
correct door type (side opening or center opening) and clear door opening width. Adjust this time
by adding factor if doors are 7' - 6" high and adding or subtracting appropriate amount per foot of travel
over or under standard floor height of 12' - 0".

Note: All times are based on heavy duty, high speed, door operating equipment and optimum adjustment. On geared applications
with medium speed door operators, add 1.0 second. On gearless applications, add 0.5 second for less stringent requirements.