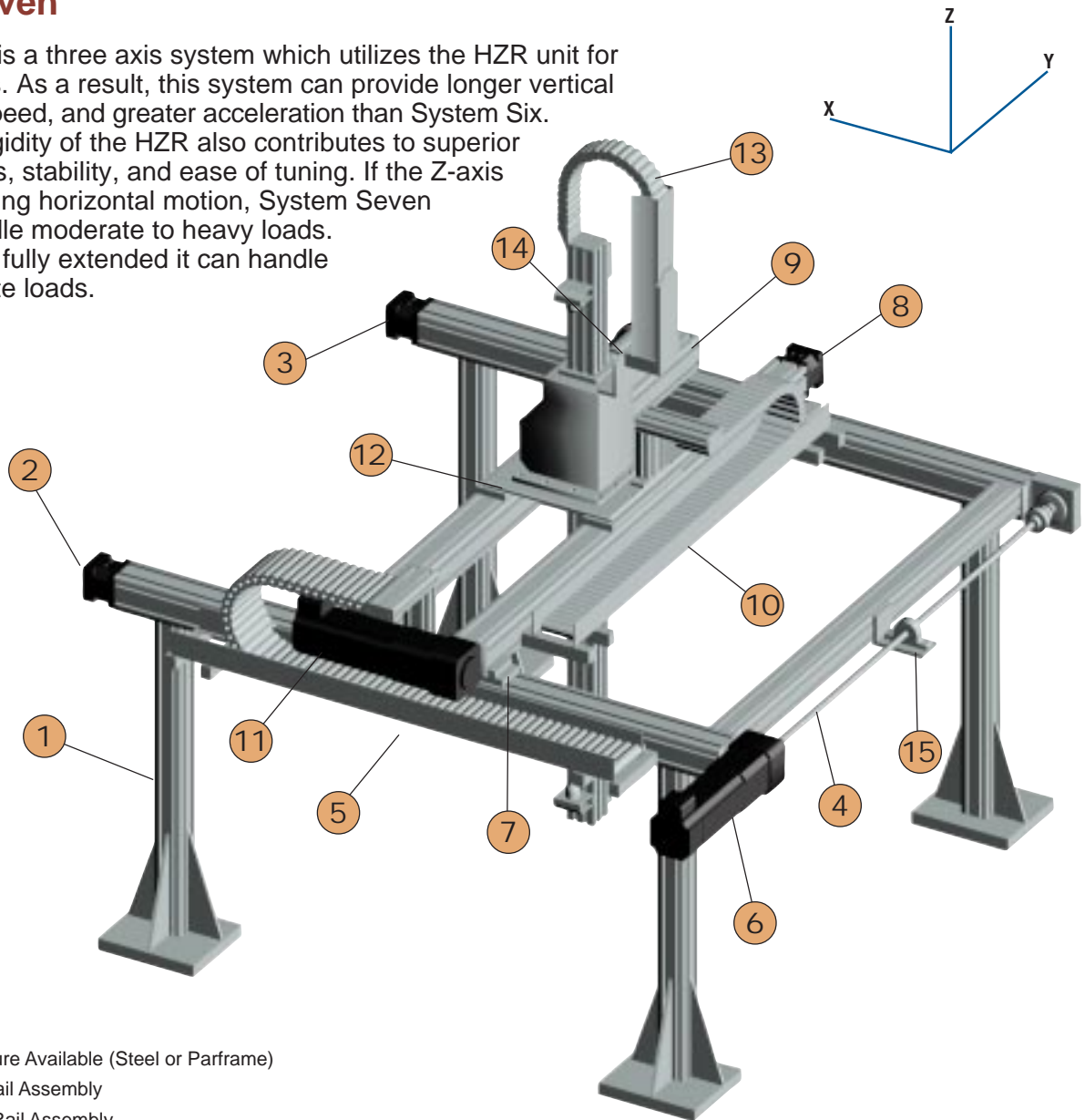


## System Seven

System Seven is a three axis system which utilizes the HZR unit for the vertical axis. As a result, this system can provide longer vertical travel, higher speed, and greater acceleration than System Six. The inherent rigidity of the HZR also contributes to superior system stiffness, stability, and ease of tuning. If the Z-axis is retracted during horizontal motion, System Seven can easily handle moderate to heavy loads. With the Z-axis fully extended it can handle light to moderate loads.

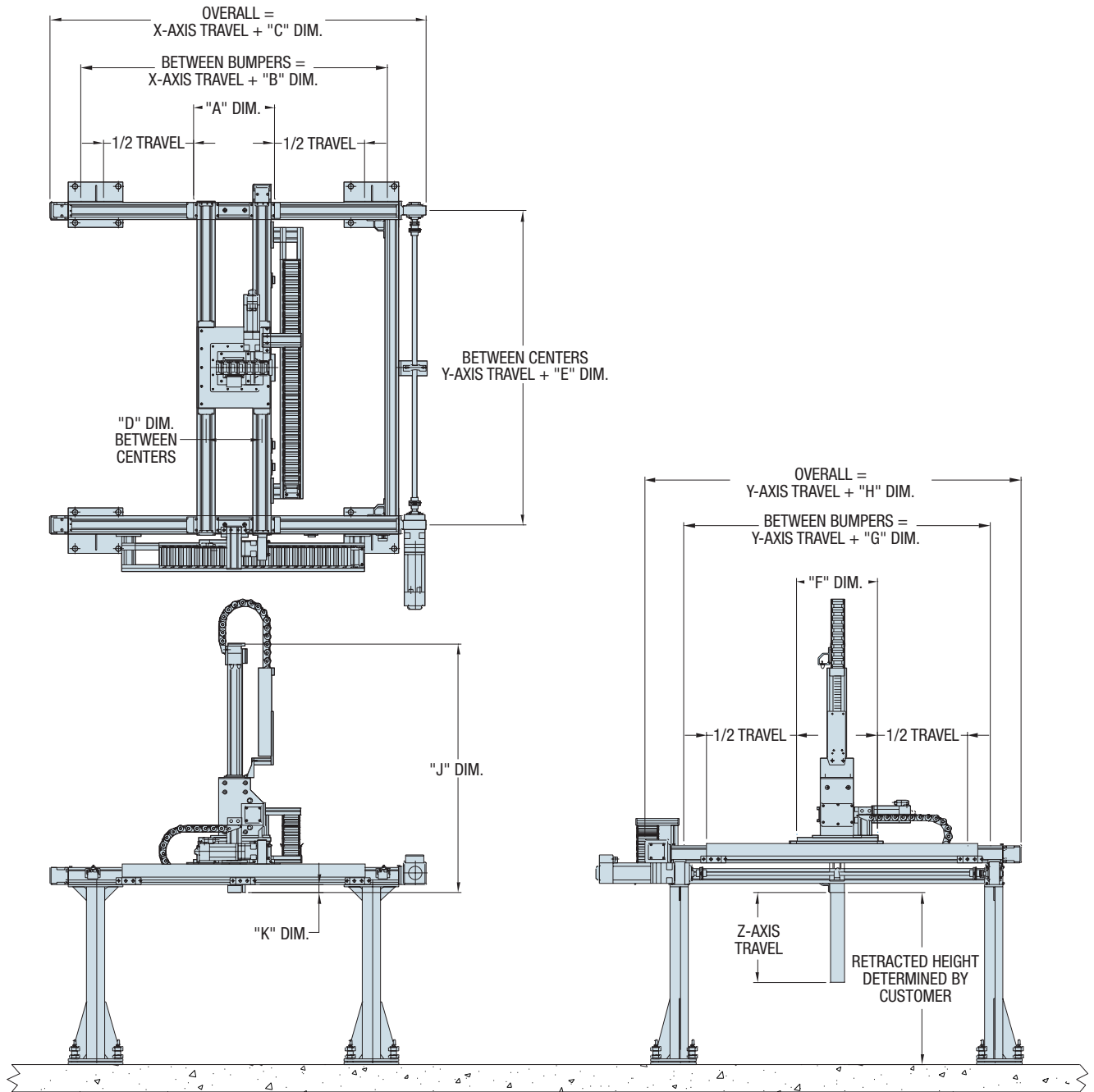


- |  |                                     |   |
|--|-------------------------------------|---|
| <b>1</b> Support Structure Available (Steel or Parframe) | <b>8</b> Y-Axis Drive Rail Assembly | <b>12</b> HZR Z-Axis with Flange Plate                          |
| <b>2</b> X-Axis Drive Rail Assembly                      | <b>9</b> Y-Axis Idler Rail Assembly | <b>13</b> Z-Axis Cable Carrier                                  |
| <b>3</b> X-Axis Driven Rail Assembly                     | <b>10</b> Y-Axis Cable Carrier      | <b>14</b> Z-Axis Drive Motor                                    |
| <b>4</b> X-Axis Link Shaft Assembly                      | <b>11</b> Y-Axis Drive Motor        | <b>15</b> Pillow Block Bearing & Support (Based on Application) |
| <b>5</b> X-Axis Cable Carrier                            |                                     |   |
| <b>6</b> X-Axis Drive Motor                              |                                     |   |
| <b>7</b> Clamping Profile                                |                                     |   |

Note: Loads, travels, and velocities shown are interdependent. Increased values are attainable.

Series No.	Linear Module Number			Load (kg)	Travel			Velocity		
	X-Axis	Y-Axis	Z-Axis		X-Axis (meters)	Y-Axis (meters)	Z-Axis (meters)	X-Axis (m/sec.)	Y-Axis (m/sec.)	Z-Axis (m/sec.)
1	HLE100RB	HLE100RB	HZR80	50	6,0	2,0	1,0	2,0	2,0	1,5
2	HLE100RB	HLE100RB	HZR100	100	6,0	1,3	1,5	2,0	2,0	1,5
3	HLE100SR	HLE100SR	HZR80	50	6,0	2,0	1,0	2,0	2,0	1,5
4	HLE100SR	HLE100SR	HZR100	100	6,0	1,3	1,5	2,0	2,0	1,5
5	HLE150RB	HLE150RB	HZR80	50	8,9	4,0	1,0	2,5	2,5	1,5
6	HLE150RB	HLE150RB	HZR100	100	8,9	3,3	1,5	2,5	2,5	1,5

System Seven Dimensions



\* Indicates bottom of Z-Axis is above bottom of X-Axis

High Speed Automation

Series No.	System Seven (XX'-YY'-HZR)									
	"A" Dim. mm (in)	"B" Dim. mm (in)	"C" Dim. mm (in)	"D" Dim. mm (in)	"E" Dim. mm (in)	"F" Dim. mm (in)	"G" Dim. mm (in)	"H" Dim. mm (in)	"J" Dim. mm (in)	"K" Dim. mm (in)
1	450 (17.72)	700 (27.56)	1090 (42.91)	310 (12.21)	748 (29.45)	450 (17.72)	700 (27.56)	1090 (42.91)	885 (34.84)	50 (1.97)
2	450 (17.72)	700 (27.56)	1090 (42.91)	310 (12.21)	748 (29.45)	450 (17.72)	700 (27.56)	1090 (42.91)	1030 (40.55)	125 (4.92)
3	450 (17.72)	700 (27.56)	1141 (44.92)	310 (12.21)	748 (29.45)	450 (17.72)	700 (27.56)	1141 (44.92)	885 (34.84)	50 (1.97)
4	450 (17.72)	700 (27.56)	1141 (44.92)	310 (12.21)	748 (29.45)	450 (17.72)	700 (27.56)	1141 (44.92)	1030 (40.55)	125 (4.92)
5	550 (21.65)	800 (31.50)	1270 (50.00)	350 (13.78)	772 (30.39)	500 (19.69)	750 (29.53)	1220 (48.03)	885 (34.84)	60 (2.36)*
6	600 (23.62)	850 (33.47)	1320 (51.97)	400 (15.75)	772 (30.39)	500 (19.69)	750 (29.53)	1220 (48.03)	1030 (40.55)	15 (0.59)