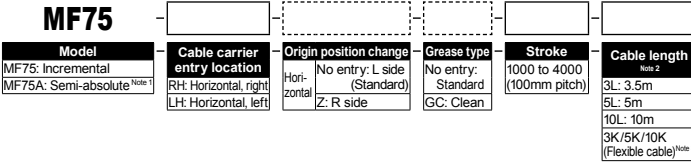


# MF75/MF75D

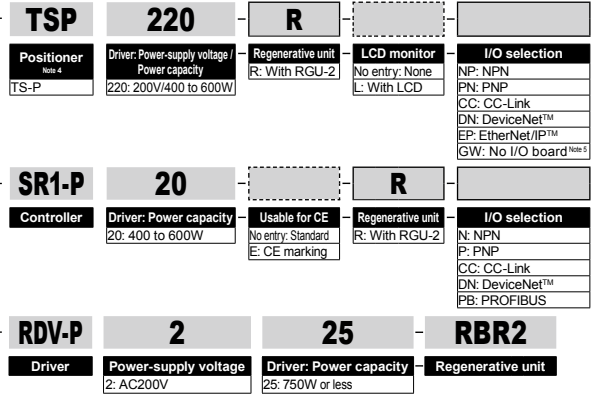


## Ordering method

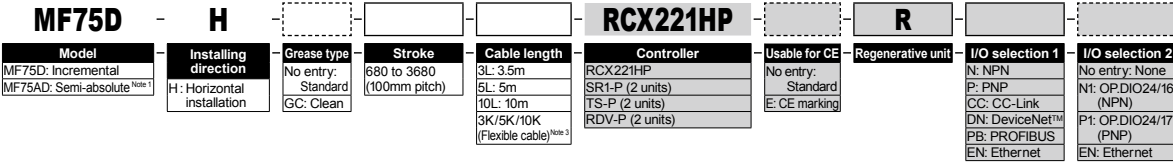
### Single carriage model



- Note 1. For the details of the semi-absolute model, please refer to P.33. RDV-P has an incremental model only.  
 Note 2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.594 for details on robot cable.  
 Note 3. If a flexible cable is needed for the SR1-P, TS-P, or RDV-P, then select 3K/5K/10K. On the RCX221HP, the standard cable is a flexible cable, so enter 3L/5L/10L when ordering.  
 Note 4. These controllers can be mounted on DIN rails. See P.498 for details.  
 Note 5. Select this selection when using the gateway function. For details, see P.60.  
 Note. It is possible to provide the model without a cable carrier. To find information on wiring (cable terminals) within the cable carrier see P.602.



### Double carriage model

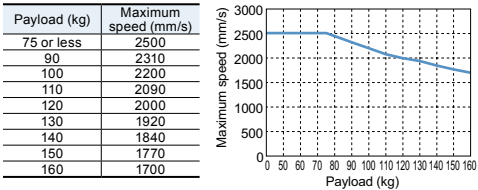


## Specifications

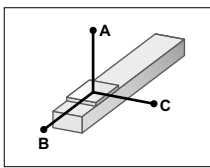
Model	MF75	MF75D
<b>Driving method</b>	Steel cored linear motor with falt magnet	
<b>Repeatability (µm)</b>	+/-5	
<b>Scale (µm)</b>	Magnetic type: resolution of 1	
<b>Maximum speed</b> <sup>Note 2</sup> (mm/sec)	2500	
<b>Rated thrust (N)</b>	260	
<b>Maximum payload</b> <sup>Note 1</sup> (kg)	160	
<b>Stroke (mm)</b>	1000 to 4000 (100mm pitch)	680 to 3680 (100mm pitch)
<b>Linear guide</b>	4 rows of circular arc grooves × 2 rail	
<b>Maximum cross-section outside dimensions (mm)</b>	W210×H100 (except the cable carrier section)	
<b>Total length (mm)</b>	Stroke+360	Stroke+680
<b>Cable length (m)</b>	Standard: 3.5 / Option: 5,10	

Note. A vertical model (with brake) is not available with the PHASER series.  
 Note. The basic specifications of semi-absolute model are the same as those of the incremental model.  
 Note 1. Payload per carrier. When the payload exceeds 75kg, please consult our sales office or sales representative.

Note 2. Table of maximum speed



## Allowable overhang

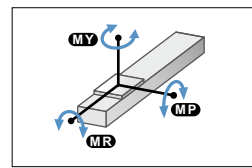


Horizontal installation (Unit: mm)

	A	B	C
20kg	3397	2841	1840
40kg	2795	1389	964
60kg	2200	530	450
80kg	1800	175	150
100kg	1500	130	110
120kg	1250	100	80
140kg	1100	80	65
160kg	950	60	50

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

## Static loading moment



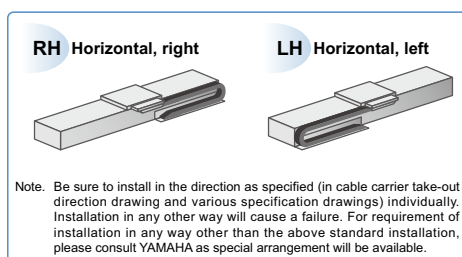
(Unit: N·m)

MY	MP	MR
830	831	730

## Controller

Controller	Operating method
SR1-P20-R (RGU-2)	Programming / I/O point trace /
RCX221HP-R (RG2)	Remote command / Operation using RS-232C communication
TS-P220-R (RGU-2)	I/O point trace / Remote command
RDV-P225-RBR2	Pulse train control

## Cable carrier entry location



## Cable carrier

