

HM series

(600–1,000 mm)

FEATURES

Wide range of reaches

600, 700, 850 and 1,000 mm

Choice of configurations

Standard (IP40)

Dust- and mistproof (IP65)

High speed

Standard cycle time 0.29 sec.

Powerful

One of the highest applicable maximum moments of inertia in their class.

Ceiling-mountable

700 and 850 mm reaches





Max. joint speed
 J1: 461.3°/sec.
 J2: 664.6°/sec.
 J3: 2,300 mm/sec.
 J4: 1,715°/sec.

MAIN SPECIFICATIONS :

Maximum arm reach:	600 mm	700 mm	850 mm	1000 mm
Model name (10 kg):	HM-4060	HM-4070	HM-4085	HM-40A0
Model name (20 kg):	HM-4A60	HM-4A70	HM-4A85	HM-4AA0
Maximum payload:	10–20 kg	10–20 kg	10–20 kg	10–20 Kg
Maximum composite speed:	8,800 mm/sec.	9,700 mm/sec.	11,000 mm/sec.	11,500 mm/sec.
Repeatability:	± 0.02 mm	± 0.02 mm	± 0.025 mm	± 0.025 mm
Max. moment of inertia (10 kg):	0.25 kgm ²	0.25 kgm ²	0.25 kgm ²	0.25 kgm ²
Max. moment of inertia (20 kg):	0.45 kgm ²	0.45 kgm ²	0.45 kgm ²	0.45 kgm ²
Total weight (approx):	50 kg	50 kg	50 kg	50 kg
Cycle time:	0.29 sec.	0.29 sec.	0.31 sec.	0.31 sec.
Range of motion:	J1: ±165°, J2: ±147°, T: ±360°			
Z-axis (vertical stroke):	200 mm; options: 300 or 400 mm			
Protection class:	Standard: IP40; options: IP65 (dust- and mistproof)			
Position detection:	Absolute encoder			
Maximum force fit:	200–300 N (one second or less)			
Wiring (in-arm integrated):	24 lines (max 1 A per line)			
Air piping (in-arm integrated):	4 systems (ø6)			
Remarks:	4th-axis flange included			