



ITEM (ROLLER SCREW ACTUATOR)		HPPEL-01-RS	HPPEL-02-RS	HPPEL-04-RS	HPPEL-08-RS
*specifications subject to change without notice					
Pressing Capacity	Range (Lbs.)	225 (Lbs.) - 2,000 (Lbs.)	250 (Lbs.) - 4,000 (Lbs.)	500 (Lbs.) - 8,000 (Lbs.)	1,000 (Lbs.) - 16,000 (Lbs.)
	Range (kN)	1 (kN) - 8.9 (kN)	1.1 (kN) - 17.8 (kN)	2.2 (kN) - 35.6 (kN)	3.8 (kN) - 71.2 (kN)
	Load Cell Safe Overload (Ultimate)	150% F.S. (200%)	150% F.S. (200%)	150% F.S. (200%)	150% F.S. (200%)
Ram Stroke	Standard Length	8.00"	8.00"	8.00"	8.00"
	Long-Stroke Length (2" Increments if other)	14.00"	14.00"	14.00"	14.00"
	Stroke Sensing Increments	0.001"	0.001"	0.001"	0.001"
Ram Speeds	Descending - Ascending	16.4 in/sec	12.3 in/sec	10.5 in/sec	8.0 in/sec
	Pressing	1.15 in/sec	1.30 in/sec	1.4 in/sec	1.52 in/sec
	Increments	0.0005 in/sec	0.0005 in/sec	0.0005 in/sec	0.0005 in/sec
Motor	Model # (Standard)	115U3E300	142U3E300	190U3D300	190U3F300
	Model # (Brake)	115U3E305	142U3E305	190U3D305	190U3F305
	Rated RPM (MAX)	4,000	4,000	3,000	3,000
	Inertia	13.8 (kgcm2)	36.9 (kgcm2)	86.4 (kgcm2)	123.1 (kgcm2)
	Rated Power @: 2,000-3,000-4,000 (kw)	2.93 - 3.96 - 3.64	4.49 - 5.7 - 5.86	7.94 - 10.43 - 12.15	10.58 - 11.6 - NA
Drive	Incremental Encoder Standard (Absolute avail)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)
	Model # - Max Cont. Current - Power	M702-034 10.0 (A) - 5 (hp)	M702-034 10 (A) - 5 (hp)	M702-054 27 (A) - 20 (hp)	M702-054 27 (A) - 20 (hp)
	Power/Feedback Cable Length	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)
Repeatability	3 Phase, 48-65 Hz	380-480VAC +/- 10%	380-480VAC +/- 10%	380-480VAC +/- 10%	380-480VAC +/- 10%
		+ 0.0002"	+ 0.0002"	+ 0.0002"	+ 0.0002"
Max Hanging Weight @ Ram (no Brake)		20 Lbs.	20 Lbs.	40 Lbs.	85 Lbs.
Roller Screw	Size	25 x 10	25 x 10	39 x 10	48 x 10
	Backlash	0.03mm	0.03mm	0.03mm	0.03mm
	Dynamic Load per Million Rev's (lbs.)	19,696	19,696	31,771	57,309
	Efficiency	89%	89%	88%	87%
Weight of Actuator	Includes Motor Lbs. (kg)	147 (66 kg)	167 (75 kg)	339 (153 kg)	460 (208 kg)

ITEM		HPPEL-10-RS	HPPEL-15-RS	HPPEL-20-RS	HPPEL-25-RS
Pressing Capacity	Range (Lbs.)	1,250 (Lbs.) - 20,000 (Lbs.)	1,250 (Lbs.) - 30,000 (Lbs.)	1,250 (Lbs.) - 40,000 (Lbs.)	1,500 (Lbs.) - 50,000 (Lbs.)
	Range (kN)	5.6 (kN) - 89.0 (kN)	5.6 (kN) - 133.0 (kN)	5.6 (kN) - 177.0 (kN)	6.6 (kN) - 222.0 (kN)
	Load Cell Safe Overload (Ultimate)	150% F.S. (200%)	150% F.S. (200%)	150% F.S. (200%)	150% F.S. (200%)
Ram Stroke	Standard Length	8.00"	8.00"	8.00"	8.00"
	Long-Stroke Length (2" Increments if other)	14.00"	14.00"	14.00"	14.00"
	Stroke Sensing Increments	0.001"	0.001"	0.001"	0.001"
Ram Speeds	Descending - Ascending	6.3 in/sec	6.7 in/sec	4.8 in/sec	4.0 in/sec
	Pressing	1.20 in/sec	1.27 in/sec	0.95 in/sec	0.76 in/sec
	Increments	0.0005 in/sec	0.0005 in/sec	0.0005 in/sec	0.0005 in/sec
Motor	Model # (Standard)	190U3F300	250U3D300	250U3D300	250U3D300
	Model # (Brake)	190U3F305	250U3D305	250U3D305	250U3D305
	Rated RPM (MAX)	3,000	2,500	2,500	2,500
	Inertia	123.1 (kgcm2)	0.028 (kgm2)	0.028 (kgm2)	0.028 (kgm2)
	Rated Power @: 2,000-3,000 (unless shown) (kw)	10.58 - 11.06 - NA	7.9 (1,000) - 10.5 (1,500) - 9.7 (2,500)	7.9 (1,000) - 10.5 (1,500) - 9.7 (2,500)	7.9 (1,000) - 10.5 (1,500) - 9.7 (2,500)
Drive	Incremental Encoder Standard (Absolute avail)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)	Incremental (CA) Absolute (EC)
	Model # - Max Cont. Current - Power	M702-054 27 (A) - 20 (hp)	M702-054 - 27 (A) - 15 (hp)	M702-064 - 35 (A) - 25 (hp)	M702-06400470A - 47 (A) - 30 (hp)
	Power/Feedback Cable Length	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)	5 meters (7,10,15,25 available)
Repeatability	3 Phase, 48-65 Hz	380-480VAC +/- 10%	380-480VAC +/- 10%	380-480VAC +/- 10%	380-480VAC +/- 10%
		+ 0.0002"	+ 0.0002"	+ 0.0002"	+ 0.0002"
Max Hanging Weight @ Ram (no Brake)		90 Lbs.	90 Lbs.	90 Lbs.	90 Lbs.
Roller Screw	Size	48 x 25	48 x 25	64 x 15	64 x 15
	Maximum Backlash	0.03mm	0.03mm	0.03mm	0.03mm
	Dynamic Load per Million Rev's	51,754	51,754	96,021	96,021
	Efficiency	90%	90%	88%	88%
Weight of Actuator	Includes Motor Lbs. (kg)	563 (255 kg)	626 (283 kg)	728 (330 kg)	743 (337 kg)