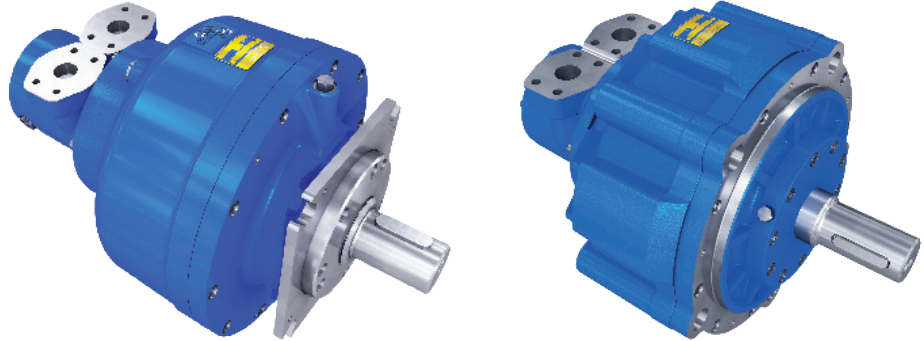




SMA range

High torque, high power, radial piston eccentric motor

- High pressure capability
- High power capability
- High speed range
- Fixed displacements
- Robust
- Freewheel capability
- Fluid versatility
- 200—16400cc/rev



SMA motor data

	FrameSize	SMA0480	C1	C1/E1	C1/E1	B1	C1/E1
Frame Diameter 345mm	Approx Weight. 83kg	Nominal Displacement (cc/rev)	200	290	350	370	480
		Geometric Displacement (cc/rev)	208	289	339	370	481
		Specific Torque (Nm/bar)	3.3	4.6	5.4	5.9	7.7
		Max Pressure (bar)*	450	450	450	450	450
		Max Cont. Speed - Standard Rating (rpm)	480	480	480	480	480
		Max Cont. Power - Standard Rating (kW)	28	40	48	48	68
		Max Cont. Speed - High Power Rating (rpm)	1000	1000	1000	1000	1000
		Max Cont. Power - High Power Rating (kW)	54	76	89	89	126
	FrameSize	SMA0500	C1/B1				
Frame Diameter 370mm	Approx Weight. 110kg	Nominal Displacement (cc/rev)	500				
		Geometric Displacement (cc/rev)	502				
		Specific Torque (Nm/bar)	8.0				
		Max Pressure (bar)*	450				
		Max Cont. Speed - Standard Rating (rpm)	430				
		Max Cont. Power - Standard Rating (kW)	61				
		Max Cont. Speed - High Power Rating (rpm)	700				
		Max Cont. Power - High Power Rating (kW)	103				
	FrameSize	SMA1230	C1/E1/C2	C1/E1	C1/E1/B1/C2	C1/E1	
Frame Diameter 436mm	Approx Weight. 170kg	Nominal Displacement (cc/rev)	750	850	1000	1230	
		Geometric Displacement (cc/rev)	757	857	996	1160	
		Specific Torque (Nm/bar)	12.0	13.6	15.9	18.5	
		Max Pressure (bar)*	450	450	450	450	
		Max Cont. Speed - Standard Rating (rpm)	380	350	350	283	
		Max Cont. Power - Standard Rating (kW)	84	95	100	124	
		Max Cont. Speed - High Power Rating (rpm)	620	620	600	580	
		Max Cont. Power - High Power Rating (kW)	137	155	187	196	
	FrameSize	SMA2200	C1/E1/C2	C1/E1/B1/C2	C1/E1/B1		
Frame Diameter 545mm	Approx Weight. 290kg	Nominal Displacement (cc/rev)	1340	1600	2200		
		Geometric Displacement (cc/rev)	1343	1602	2227		
		Specific Torque (Nm/bar)	21.4	25.5	35.4		
		Max Pressure (bar)*	450	450	450		
		Max Cont. Speed - Standard Rating (rpm)	320	300	216		
		Max Cont. Power - Standard Rating (kW)	125	140	195		





SMA motor data cont.

		SMA2200 (continued)	C1/E1/C2	C1/E1/B1/C2	C1/E1/B1	
Frame Diameter 545mm	Approx Weight. 290kg	Nominal Displacement (cc/rev)	1340	1600	2200	
		Max Cont. Speed - High Power Rating (rpm)	565	565	406	
		Max Cont. Power - High Power Rating (kW)	221	264	264	
	FrameSize	SMA3200	C1/E1	C1/E1	C1/E1	
Frame Diameter 583mm	Approx Weight. 440kg	Nominal Displacement (cc/rev)	2000	2500	2800	3200
		Geometric Displacement (cc/rev)	2003	2507	2801	3215
		Specific Torque (Nm/bar)	31.9	39.9	44.6	51.2
		Max Pressure (bar)*	450	450	450	450
		Max Cont. Speed - Standard Rating (rpm)	285	285	260	240
		Max Cont. Power - Standard Rating (kW)	165	185	200	237
		Max Cont. Speed - High Power Rating (rpm)	380	380	380	380
		Max Cont. Power - High Power Rating (kW)	222	278	300	357
	FrameSize	SMA4350	C1/E1	C1/E1		
Frame Diameter 695mm	Approx Weight. 790kg	Nominal Displacement (cc/rev)	3500	4350		
		Geometric Displacement (cc/rev)	3504	4349		
		Specific Torque (Nm/bar)	55.8	69.2		
		Max Pressure (bar)*	450	450		
		Max Cont. Speed - High Power Rating (rpm)	350	240		
		Max Cont. Power - High Power Rating (kW)	358	400		
	FrameSize	SMA6250	C1	C1		
Frame Diameter 758mm	Approx Weight. 1000kg	Nominal Displacement (cc/rev)	5000	6250		
		Geometric Displacement (cc/rev)	5019	6250		
		Specific Torque (Nm/bar)	79.9	99.5		
		Max Pressure (bar)*	450	450		
		Max Cont. Speed - High Power Rating (rpm)	210	190		
		Max Cont. Power - High Power Rating (kW)	450	550		
	FrameSize	SMA8700	C1/C2	C1/C2		
Frame Diameter 700mm	Approx Weight. 1140kg	Nominal Displacement (cc/rev)	7000	8700		
		Geometric Displacement (cc/rev)	7009	8698		
		Specific Torque (Nm/bar)	111.6	138.4		
		Max Pressure (bar)*	450	450		
		Max Cont. Speed - High Power Rating (rpm)	240	240		
		Max Cont. Power - High Power Rating (kW)	491	609		
	FrameSize	SMA10L	C1	C1	C1	
Frame Diameter 900mm	Approx Weight. 1250kg	Nominal Displacement (cc/rev)	7400	8800	10500	
		Geometric Displacement (cc/rev)	7381	8812	10498	
		Specific Torque (Nm/bar)	117.5	140.2	167.1	
		Max Pressure (bar)*	450	450	450	
		Max Cont. Speed - High Power Rating (rpm)	180	150	125	
		Max Cont. Power - High Power Rating (kW)	443	528	630	
	FrameSize	SMA16L	C1	C1		
Frame Diameter 1140mm	Approx Weight. 2620kg	Nominal Displacement (cc/rev)	13000	16000		
		Geometric Displacement (cc/rev)	13000	16400		
		Specific Torque (Nm/bar)	206.9	261.0		
		Max Pressure (bar)*	450	450		
		Max Cont. Speed - High Power Rating (rpm)	125	125		
		Max Cont. Power - High Power Rating (kW)	820	900		

C1 = Rotating Shaft Motors
E1 = Rotating Case Motors
B1 = Rotating Case Shaft Motors
C2 = 2-Speed Rotating Shaft Motors

