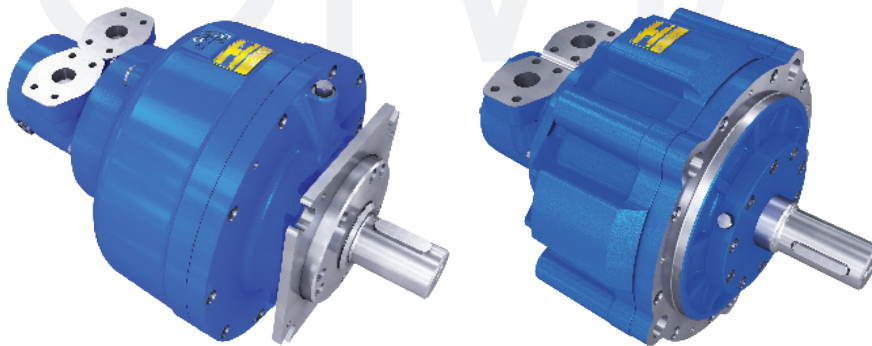


## SMA range

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	<b>Nominal Displacement (cc/rev)</b>	<b>200</b>	<b>290</b>	<b>350</b>	<b>370</b>	<b>480</b>
	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	<b>Nominal Displacement (cc/rev)</b>	<b>500</b>				
	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	<b>Nominal Displacement (cc/rev)</b>	<b>750</b>	<b>850</b>	<b>1000</b>	<b>1230</b>	
	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	<b>Nominal Displacement (cc/rev)</b>	<b>1340</b>	<b>1600</b>	<b>2200</b>		
	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.

		<b>SMA2200 (continued)</b>	C1/E1/C2	C1/E1/B1/C2	C1/E1/B1	
Frame Diameter 545mm	Approx Weight. 290kg	<b>Nominal Displacement (cc/rev)</b>	<b>1340</b>	<b>1600</b>	<b>2200</b>	
		Max Cont. Speed - High Power Rating (rpm)	565	565	406	
		Max Cont. Power - High Power Rating (kW)	221	264	264	
	FrameSize	<b>SMA3200</b>	C1/E1	C1/E1	C1/E1	C1/E1
Frame Diameter 583mm	Approx Weight. 440kg	<b>Nominal Displacement (cc/rev)</b>	<b>2000</b>	<b>2500</b>	<b>2800</b>	<b>3200</b>
		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	<b>SMA4350</b>	C1/E1	C1/E1		
Frame Diameter 695mm	Approx Weight. 790kg	<b>Nominal Displacement (cc/rev)</b>	<b>3500</b>	<b>4350</b>		
		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	<b>SMA6250</b>	C1	C1		
Frame Diameter 758mm	Approx Weight. 1000kg	<b>Nominal Displacement (cc/rev)</b>	<b>5000</b>	<b>6250</b>		
		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	<b>SMA8700</b>	C1/C2	C1/C2		
Frame Diameter 700mm	Approx Weight. 1140kg	<b>Nominal Displacement (cc/rev)</b>	<b>7000</b>	<b>8700</b>		
		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	<b>SMA10L</b>	C1	C1	C1	
Frame Diameter 900mm	Approx Weight. 1250kg	<b>Nominal Displacement (cc/rev)</b>	<b>7400</b>	<b>8800</b>	<b>10500</b>	
		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	<b>SMA16L</b>	C1	C1		
Frame Diameter 1140mm	Approx Weight. 2620kg	<b>Nominal Displacement (cc/rev)</b>	<b>13000</b>	<b>16000</b>		
		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