



**Direct drive technology gets the most out of rotary motion in SKA DDR torque servomotors.**

Featuring a remarkable rated and peak torque capacity plus high acceleration and deceleration values, these servomotors achieve efficiencies and precision positioning that are difficult to obtain with conventional systems. Natural evolution of direct coupling between the motor and driven load, the conventional components of the kinematic chain have been totally eliminated from these servomotors. Besides doing away with backlash and mechanical elasticity in the drive transmission, this type of configuration drastically speeds up servicing work and keeps maintenance costs down while achieving appreciable energy savings thanks to the improved overall efficiency. Two versions are available for the SKA DDR series: Frameless, with the stator and rotor parts alone, and the Power Pack version, a perfect example of Motor Power Company's skills in the electrical and mechanical spheres.

Servomotor Type	External Diameter (mm)	Hole Diameter (mm)	Thickness (mm)	Poles Number	Stall Torque (Nm)	Speed Range (Rpm)
SKA DDR090	110	38	60	14	1.9	1700÷300
			90		3.2	
			120		4.3	
SKA DDR148	180	78	60	14	8.3	1200÷150
			90		13.7	
			120		18.7	
			150		23.3	
SKA DDR245	290	145	60	28	42	800÷90
			90		67	
			120		88	
			150		109	
SKA DDR335	390	235	60	42	100	500÷50
			90		160	
			120		210	
			150		260	
			180		300	
SKA DDR430	470	320	60	56	237	300÷50
			90		368	
			120		479	
			150		580	
			180		677	
			210		770	

### Features

- "Multipolar" permanent magnets synchronous brushless motor
- 1.9 Nm to 770 Nm stall torque
- Thermal protector (clixon)
- Class F insulation
- IP65 protection (PP version)
- Vast range of transducers
- Version with "hollow" shaft or "male" shaft
- Power supply voltage 145 Vac, 230 Vac, 460 Vac
- The Power Pack version includes the SKA DDR torque motor with mounting flange, bearings and transducer, aluminium cover case and specific connections
- CE certified