

# e+a Applications



Elektromaschinen  
und Antriebe

## Power Generation

Hi-Speed, Hi-Power Motors & Generators

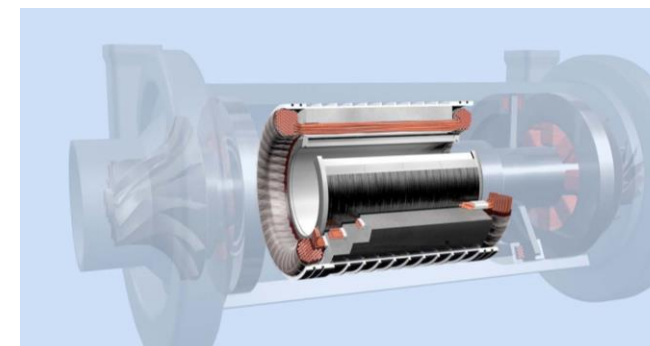
<u>Motor Type</u>	<u>Power</u>	<u>Speed (RPM)</u>	<u>Application</u>
mSpW2.5/2.5-2	1.3 KW	500,000	Portable Energy Generation
mSpW4.5/4-4	8 KW	180,000	GTE Alternator, Airborne Application
mSpW10.6/11-2	35 KW	90,000	Portable Energy Generation
mSpW12/10-4	80KW	95K-110K	Auto/Truck Range Extender
mSpW13.5/13-4	100 KW	40,000	Organic Rankine Cycle (ORC)
mSpW13.5/15-2	100 KW	51,000	GTE Generator, Foil Bearings
mSpW13.5/17-2	140 KW	64,000	GTE Generator, Foil Bearings
mSpW13.5/24-2	160 KW	51,000	GTE Generator, Foil Bearings
mSpW17/20-4	200 KW	25,000	Turbo Generator
mSpW16/26-4	350 KW	75,000	Auto/Truck Range Extender
mSpW18/30/-4	400 KW	36,000	GTE Generator, Foil Bearings
mSpW30/33-4	1200 KW	31,000	Energy Generation
mSpW42/32-4	1600KW	25,000	Energy generation



Power Generation  
Dual 1.6MW Systems, 25K RPM

## Waste Water Blower, HVAC Compressor

<u>Motor Type</u>	<u>Power</u>	<u>Speed (RPM)</u>	<u>Application</u>
mW9/8-2	8 KW	29,000	Waste Water Blower
mSpW13.5/8-2	36 KW	50,000	Waste Water Blower
mSpW13.5/15.5-4	55KW	30,000	Waste Water Blower
mSpW13.5/15-4	75 KW	30,000	Waste water Blower
mSpW17/15-4	110 KW	25,000	Waste Water Blower
mSpW17/18-4	160 KW	25,000	Waste Water Blower
mSpW20/22-4	220 KW	21,000	Waste Water Blower
mSpWRF28/15-4	300KW	20,000-24,000	HVAC Compressor
mSpWRF28/20-4	400KW	20,000-24,000	HVAC Compressor
mW42/48-2	850 KW	10,000	HVAC Compressor



Embedded Application

## Automotive, Airborne, LNG, Concrete, Vacuum, Medical

<u>Motor Type</u>	<u>Power</u>	<u>Speed (RPM)</u>	<u>Application</u>
mSpW0.66/1.1-2	0.0166 KW	36,000	Heart Pump
mSpW6/3-4	5 KW	125,000	Airborne Application
mSpW4.5/4-4	8 KW	180,000	Airborne Application
mSpW7/4.5-2	12 KW	120,000	Fuel Cell Blower
mSpRF8/6-2	12.5 KW	125,000 – 160,000	Truck Exhaust Pwr. Gen., Air Cooled
mSpW10.6/15-4	16 KW	8,000	LNG Pump
mSpW10.6/8-6	16 KW	9,000	Concrete Cutting
mSpW10.6/6-4	35 KW	60,000	Vacuum Pump
mW30/26.5-8	43 KW	1,000 - 5,000	Traction Motor for Tractor
mSpW15/40-4	100KW	8,000	LNG Pump
mSpW13.5/25-6	100KW	21,000	Traction Motor
mSpW16/12.5-4	160 KW	59,000	Natural Gas Compressor
mSpW20/20-4	200KW	25,000	Traction Motor
mSpW20/50-4	250KW	7,000	LNG Pump
mW30/50-4	1000 KW	16,000 – 24,000	Natural Gas Compressor



LNG Pumps



Railway Waste Heat Recovery

## Machine Tool: Honing, Milling, Grinding, PCB

<u>Motor Type</u>	<u>Power</u>	<u>Speed (RPM)</u>	<u>Application</u>
mSpW14/6-44	0.76 KW	250 (29 Nm)	Machine Tool
mSpW4/2-2	2 KW	250,000	Turning Center
mW9/10-4	8 KW	12,500 - 30,000	Clock Industry
mSpW13.5/15-4	100 KW	24,000 - 40,000	Honing Machine
mW30/35-8 ASM Pro	100 KW	1,000 - 10,000 (1000 Nm)	Milling Machine
mW75/30-16	120 KW	230 (5000 Nm)	PCB Drilling Machine
mSpW17/15-4	120 KW	14,000 - 30,000	Grinding Machine
mSpW17/15-4	140 KW	18,000 - 24,000	Tapping Machine



Machine Tool Spindles