

# HLR series three phase synchronous motors

## High power series with substantial advantages:

- Highest efficiency through new winding technology
- Highest power density with a rated power range from 210...2890W in four sizes
- Constant torque development for best control properties
- High energetic neodymium-iron-boron magnets - minimized cogging
- Excellent dynamik behaviour because of low inertia and high peak torque
- Available with planetary gearboxes (low backlash as well) and parking brake
- Stylish smooth aluminium cast housing



Motor Series	Voltage Constant from - to mV/rpm	Rated Values			Max. Values		Duty-Cycle acc. to VDE 0530	Protection class acc. to VDE 0530	Design acc. to VDE 0530	Housing Flange Dimensions mm
		Voltage VDC	Speed rpm	Torque Nm	Speed rpm	Torque Nm				
<b>HLR 26</b>	29 - 85	24, 320, 560	4500	1,3	7000	5,7	S1	IP 54	IM B 5	60 x 60
<b>HLR 37</b>	65 - 120	320, 560	3000	3,7	4000	16,0	S1	IP 54	IM B 5	90 x 90
<b>HLR 48</b>	72 - 120	320, 560	3000	7,5	4000	34	S1	IP 54	IM B 5	105 x 105
<b>HLR 63</b>	73 - 122	320, 560	2000	13,8	3000	69	S1	IP 54	IM B 5	130 x 130