

# VANE MOTORS LZB22-RL

Stainless steel and lubrication free



**0.16 – 0.27 kW**  
**0.21 – 0.36 hp**

Material in parts:

- Back head, casing and front part stainless steel: ISO 683/ XIII Type 17, SS 14 2346, DIN 17440 X12CrNiS188
- Outgoing shaft and gear rim stainless steel: ISO 683/XIII Type 9b, SS 14 2321, DIN 17440 X22CrNi17'
- 100% Silicon free
- Grease that conforms to Food Grade regulations

EX certification valid for fixture mounted use only with a maximum surrounding temperature of +40°C (104°F).



For optional stainless steel motor cell, vane kits and other accessories see chapter Accessories.

**Data at air pressure 6.3 bar (91 psi)**

Model	Max output		Speed at max output	Torque at max output		Min starting torque		Stall torque		Free speed	Air consumption at max output		Weight		Shaft loading code <sup>1)</sup>	ATEX code	Ordering No.
	kW	hp	r/min	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb			
<b>Clockwise rotation (Keyed shaft)</b>																	
LZB22-RL-A220-11	0.27	0.36	9600	0.27	0.20	0.51	0.38	0.54	0.4	19500	5.3	11.2	0.63	1.39	b	Ex II 2GD c T4 IIC T110°C	8411 0219 11
LZB22-RL-A049-11	0.27	0.36	2100	1.2	0.89	2.3	1.7	2.4	1.8	4700	5.3	11.2	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0219 29
LZB22-RL-A036-11	0.27	0.36	1590	1.6	1.2	3.1	2.3	3.2	2.4	3550	5.3	11.2	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0219 37
LZB22-RL-A022-11	0.27	0.36	960	2.7	2.0	5.1	3.8	5.4	4.0	2100	5.3	11.2	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0219 45
LZB22-RL-A011-11	0.26	0.35	480	5.3	3.9	10	7.4	10.6	7.8	1040	5.3	11.2	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0219 52
LZB22-RL-A008-11	0.26	0.35	360	7.1	5.2	13.5	10	14.2	10.5	770	5.3	11.2	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0219 60
LZB22-RL-A005-11	0.26	0.35	210	11.8	8.7	22	16.2	23.6	17.4	480	5.3	11.2	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0219 78
<b>Reversible (Keyed shaft)</b>																	
LZB22-RL-AR126-11	0.16	0.21	7000	0.24	0.18	0.32	0.24	0.48	0.35	13100	5.0	10.6	0.63	1.39	b	Ex II 2GD c T4 IIC T110°C	8411 0220 83
LZB22-RL-AR028-11	0.16	0.21	1570	1.1	0.81	1.4	1.0	2.2	1.6	2850	5.0	10.6	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0220 75
LZB22-RL-AR021-11	0.16	0.21	1170	1.4	1.0	1.9	1.4	2.8	2.1	2100	5.0	10.6	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0222 16
LZB22-RL-AR013-11	0.16	0.21	700	2.4	1.8	3.2	2.4	4.8	3.5	1300	5.0	10.6	0.63	1.39	b	Ex II 2GD c T6 IIC T85°C	8411 0220 67
LZB22-RL-AR006-11	0.16	0.21	350	4.7	3.5	6.3	4.6	9.4	6.9	640	5.0	10.6	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0220 59
LZB22-RL-AR005-11	0.16	0.21	260	6.3	4.6	8.5	6.3	12.6	9.3	480	5.0	10.6	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0222 08
LZB22-RL-AR003-11	0.16	0.21	160	10.5	7.7	14	10.3	21	15.5	290	5.0	10.6	0.83	1.83	b	Ex II 2GD c T6 IIC T85°C	8411 0220 91

<sup>1)</sup> For Shaft loading curves, see page 16.

**NOTE:** - If running motors with 100% dry air and no lubrication, performance can be reduced with 5-15% at max output.  
- To optimize life time for a lubrication free motor, use lubricated air if the application allows it.

**Dimensions (mm)**

Conversion factor 1 mm = 0.04 inch

