

VANE MOTORS LZB14-RL

Stainless steel and lubrication free



0.11 – 0.16 kW
0.15 – 0.21 hp

Material in parts:

- Back head and front part stainless steel:
ISO 683/XIII Type 17, SS 14 2346, DIN 17440 X12CrNiS188
- Outgoing shaft and casing/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 ¹⁾	ATEX code	Ordering No.	
	kW	hp		r/min	Nm	lb-ft	Nm	lb-ft	Nm		lb-ft	r/min	l/s	cfm				kg
Clockwise rotation (Keyed shaft)																		
LZB14-RL-A190-11	0.16	0.21	9100	0.17	0.13	0.29	0.21	0.34	0.25	19500	4.0	8.5	0.37	0.82	a	Ex II 2GD c T4 IIC T110°C	8411 0122 09	
LZB14-RL-A048-11	0.16	0.21	2200	0.70	0.52	1.23	0.91	1.4	1.03	4800	4.0	8.5	0.37	0.82	a	Ex II 2GD c T6 IIC T85°C	8411 0122 17	
LZB14-RL-A029-11	0.16	0.21	1330	1.15	0.85	2.0	1.48	2.3	1.7	2900	4.0	8.5	0.37	0.82	a	Ex II 2GD c T6 IIC T85°C	8411 0122 25	
LZB14-RL-A012-11	0.16	0.21	530	2.9	2.1	5.1	3.8	5.8	4.3	1140	4.0	8.5	0.40	0.88	a	Ex II 2GD c T6 IIC T85°C	8411 0122 33	
LZB14-RL-A007-11	0.16	0.21	320	4.8	3.5	8.5	6.3	9.6	7.1	700	4.0	8.5	0.40	0.88	a	Ex II 2GD c T6 IIC T85°C	8411 0122 41	
Reversible (Keyed shaft)																		
LZB14-RL-AR140-11	0.11	0.15	7000	0.15	0.11	0.24	0.18	0.3	0.22	13000	3.6	7.6	0.37	0.82	a	Ex II 2GD c T4 IIC T110°C	8411 0122 58	
LZB14-RL-AR034-11	0.11	0.15	1690	0.62	0.46	1.01	0.74	1.24	0.91	3400	3.6	7.6	0.37	0.82	a	Ex II 2GD c T6 IIC T85°C	8411 0122 66	
LZB14-RL-AR020-11	0.11	0.15	1020	1.03	0.76	1.67	1.23	2.1	1.5	2000	3.6	7.6	0.37	0.82	a	Ex II 2GD c T6 IIC T85°C	8411 0122 74	
LZB14-RL-AR008-11	0.11	0.15	410	2.6	1.92	4.2	3.1	5.2	3.8	800	3.6	7.6	0.40	0.88	a	Ex II 2GD c T6 IIC T85°C	8411 0122 82	
LZB14-RL-AR005-11	0.11	0.15	250	4.3	3.2	6.9	5.1	8.6	6.3	490	3.6	7.6	0.40	0.88	a	Ex II 2GD c T6 IIC T85°C	8411 0122 90	

¹⁾ 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

