

VANE MOTORS LZB34-RL

Stainless steel and lubrication free



0.25 – 0.39 kW
0.34 – 0.52 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)

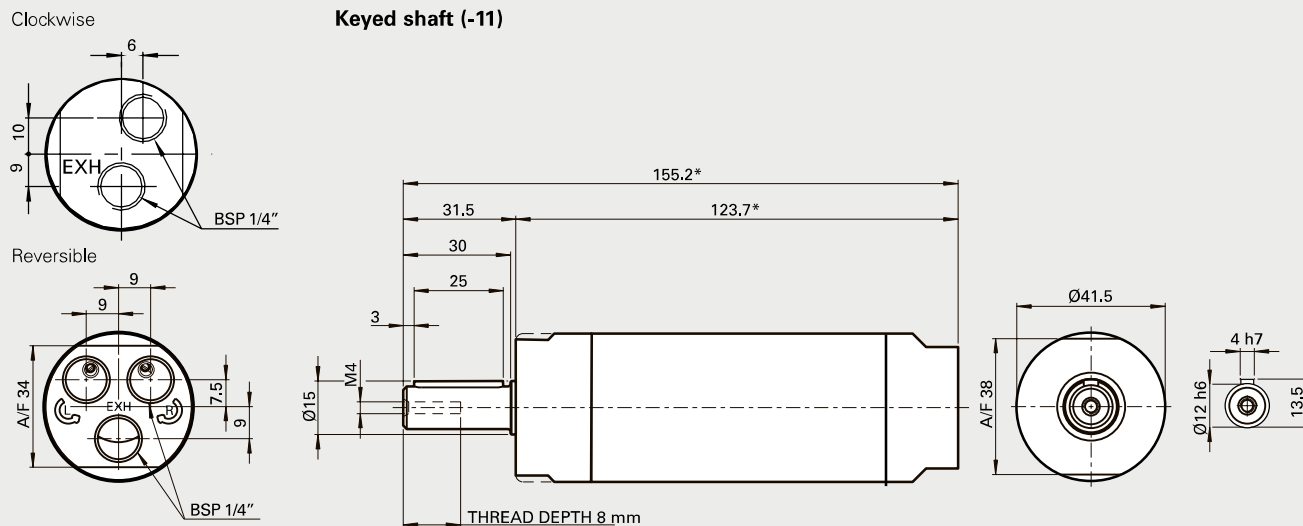
Model	Max output		Speed at max output	Torque at max output		Min starting torque		Stall torque		Free speed	Air consumption at max output		Weight		Shaft loading code ¹⁾	ATEX code	Ordering No.
	kW	hp	r/min	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb			
Clockwise rotation (Keyed shaft)																	
LZB34-RL-A210-11	0.39	0.52	9400	0.4	0.3	0.76	0.56	0.8	0.59	19000	8.1	17.2	0.95	2.09	c	Ex II 2GD c T4 IIC T110°C	8411 0338 41
LZB34-RL-A060-11	0.39	0.52	2600	1.4	1.0	2.7	2.0	2.8	2.1	5350	8.1	17.2	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0338 58
LZB34-RL-A033-11	0.39	0.52	1450	2.6	1.9	4.9	3.6	5.2	3.8	3000	8.1	17.2	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0338 66
LZB34-RL-A026-11	0.39	0.52	1170	3.2	2.4	6.1	4.5	6.4	4.7	2400	8.1	17.2	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0338 74
LZB34-RL-A013-11	0.38	0.51	580	6.4	4.7	12	8.9	12.8	9.4	1180	8.1	17.2	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0338 82
LZB34-RL-A007-11	0.38	0.51	320	11.5	8.5	21	15.5	23	17	650	8.1	17.2	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0338 90
LZB34-RL-A005-11	0.38	0.51	260	14.2	10.5	26	19.2	28	21	520	8.1	17.2	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0339 08
Reversible (Keyed shaft)																	
LZB34-RL-AR150-11	0.25	0.34	7000	0.34	0.25	0.46	0.34	0.68	0.5	13300	7.9	16.8	0.95	2.09	c	Ex II 2GD c T4 IIC T110°C	8411 0339 16
LZB34-RL-AR043-11	0.25	0.34	1960	1.2	0.89	1.6	1.2	2.4	1.8	3800	7.9	16.8	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0339 24
LZB34-RL-AR024-11	0.25	0.34	1090	2.2	1.6	3.0	2.2	4.4	3.2	2000	7.9	16.8	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0339 32
LZB34-RL-AR019-11	0.25	0.34	880	2.7	2.0	3.7	2.7	5.4	4.0	1700	7.9	16.8	0.95	2.09	c	Ex II 2GD c T6 IIC T85°C	8411 0339 40
LZB34-RL-AR009-11	0.25	0.34	430	5.4	4.0	7.0	5.2	10.8	8.0	800	7.9	16.8	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0339 57
LZB34-RL-AR005-11	0.25	0.34	240	9.8	7.2	12.6	9.3	19.6	14.5	450	7.9	16.8	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0339 65
LZB34-RL-AR004-11	0.25	0.34	190	12.1	8.9	15.6	11.5	24	17.7	360	7.9	16.8	1.2	2.65	c	Ex II 2GD c T6 IIC T85°C	8411 0339 73

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.

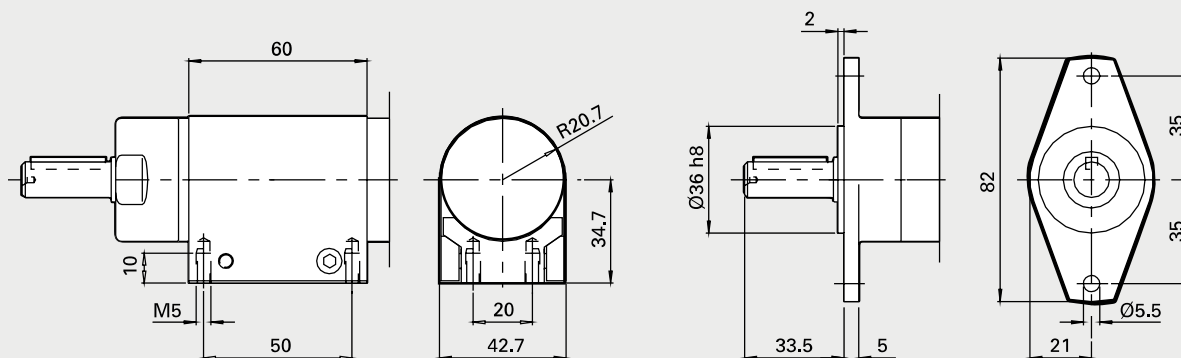
Dimensions (mm)

Conversion factor 1 mm = 0.04 inch



*) +34.5 mm for
 LZB34-RL-A013 LZB34-RL-AR009
 LZB34-RL-A007 LZB34-RL-AR005
 LZB34-RL-A005 LZB34-RL-AR004

Optional mounting



Foot
 Ordering No. 4430 0855 80

Flange
 Ordering No. 4430 0850 80