

VANE MOTORS LZB33-LB

Brake module, lubrication free and reversible
LZB34-RLB

Stainless steel, brake module, lubrication free and reversible

0.23 – 0.25 kW

0.31 – 0.34 hp

Braking torque from 0.55–520 Nm.

The brake is activated by spring force and released by air pressure.

Stainless steel version:

- 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		Braking torque		Free speed		Air consumption at max output		Weight		Shaft loading code ¹⁾	ATEX code	Ordering No.
	Lubrication free	kW	hp	r/min	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb				
Reversible (Keyed shaft)																					
LZB33-LB-AR150-11	0.25	0.34	7000	0.34	0.25	0.46	0.34	0.68	0.5	0.55	0.4	13300	7.9	16.8	1.35	2.97	c	Ex II 2GD c T4 IIC T110°C	8411 0340 05		
LZB33-LB-AR043-11	0.25	0.34	1960	1.2	0.89	1.6	1.2	2.4	1.8	2.0	1.5	3800	7.9	16.8	1.35	2.97	c	Ex II 2GD c T6 IIC T85°C	8411 0340 13		
LZB33-LB-AR024-11	0.25	0.34	1090	2.2	1.6	3.0	2.2	4.4	3.2	3.5	2.6	2000	7.9	16.8	1.35	2.97	c	Ex II 2GD c T6 IIC T85°C	8411 0340 21		
LZB33-LB-AR019-11	0.25	0.34	880	2.7	2.0	3.7	2.7	5.4	4.0	4.4	3.2	1700	7.9	16.8	1.35	2.97	c	Ex II 2GD c T6 IIC T85°C	8411 0340 39		
LZB33-LB-AR009-11	0.25	0.34	430	5.4	4.0	7.0	5.2	10.8	8.0	8.9	6.6	800	7.9	16.8	1.63	3.59	c	Ex II 2GD c T6 IIC T85°C	8411 0340 47		
LZB33-LB-AR005-11	0.25	0.34	240	9.8	7.2	12.6	9.3	19.6	14.5	16	12	450	7.9	16.8	1.63	3.59	c	Ex II 2GD c T6 IIC T85°C	8411 0340 54		
LZB33-LB-AR004-11	0.25	0.34	190	12.1	8.9	15.6	11.5	24	17.8	20	15	360	7.9	16.8	1.63	3.59	c	Ex II 2GD c T6 IIC T85°C	8411 0340 62		
LZB33-LB-AR0026-11 ²⁾	0.24	0.32	120	19	14	20	14.8	38	28	32	24	230	7.9	16.8	2.1	4.6	d	Ex II 2GD c T6 IIC T85°C	8411 0340 70		
LZB33-LB-AR0015-11	0.24	0.32	75	31	23	41	30	62	46	52	38	140	7.9	16.8	3.2	7.0	g	Ex II 2GD c T6 IIC T85°C	8411 0340 88		
LZB33-LB-AR0011-11	0.24	0.32	55	42	31	56	41	84	62	71	52	100	7.9	16.8	3.2	7.0	g	Ex II 2GD c T6 IIC T85°C	8411 0340 96		
LZB33-LB-AR0008-11	0.24	0.32	41	56	41	74	55	112	83	93	67	75	7.9	16.8	3.2	7.0	g	Ex II 2GD c T6 IIC T85°C	8411 0341 04		
LZB33-LB-AR0006-11	0.24	0.32	31	75	55	100	74	150	111	130	95	60	7.9	16.8	3.2	7.0	g	Ex II 2GD c T6 IIC T85°C	8411 0341 12		
LZB33-LB-AR0005-11	0.24	0.32	25	93	69	125	92	186	137	160	120	45	7.9	16.8	3.2	7.0	g	Ex II 2GD c T6 IIC T85°C	8411 0341 20		
LZB33-LB-AR0004-11	0.23	0.31	18	120	89	169	125	240	177	210	160	35	7.9	16.8	5.6	12.3	h	Ex II 2GD c T6 IIC T85°C	8411 0341 38		
LZB33-LB-AR0003-11	0.23	0.31	13	165	122	230	170	330	243	290	210	25	7.9	16.8	5.6	12.3	h	Ex II 2GD c T6 IIC T85°C	8411 0341 46		
LZB33-LB-AR0002-11	0.23	0.31	10	220	162	305	225	440	325	380	280	20	7.9	16.8	5.6	12.3	h	Ex II 2GD c T6 IIC T85°C	8411 0341 53		
LZB33-LB-AR0001-11	0.23	0.31	7	300	221	412	304	600	443	520	380	14	7.9	16.8	5.6	12.3	h	Ex II 2GD c T6 IIC T85°C	8411 0341 61		
Stainless steel Reversible (Keyed shaft)																					
LZB34-RLB-AR150-11	0.25	0.34	7000	0.34	0.25	0.46	0.34	0.68	0.5	0.55	0.4	13300	7.9	16.8	1.39	3.06	c	Ex II 2GD c T4 IIC T110°C	8411 0341 79		
LZB34-RLB-AR043-11	0.25	0.34	1960	1.2	0.89	1.6	1.2	2.4	1.8	2.0	1.5	3800	7.9	16.8	1.39	3.06	c	Ex II 2GD c T6 IIC T85°C	8411 0341 87		
LZB34-RLB-AR024-11	0.25	0.34	1090	2.2	1.6	3.0	2.2	4.4	3.2	3.5	2.6	2000	7.9	16.8	1.39	3.06	c	Ex II 2GD c T6 IIC T85°C	8411 0341 95		
LZB34-RLB-AR019-11	0.25	0.34	880	2.7	2.0	3.7	2.7	5.4	4.0	4.4	3.2	1700	7.9	16.8	1.39	3.06	c	Ex II 2GD c T6 IIC T85°C	8411 0342 03		
LZB34-RLB-AR009-11	0.25	0.34	430	5.4	4.0	7.0	5.2	10.8	8.0	9.0	6.6	800	7.9	16.8	1.66	3.66	c	Ex II 2GD c T6 IIC T85°C	8411 0342 11		
LZB34-RLB-AR005-11	0.25	0.34	240	9.8	7.2	12.6	9.3	19.6	14.5	16	12	450	7.9	16.8	1.66	3.66	c	Ex II 2GD c T6 IIC T85°C	8411 0342 29		
LZB34-RLB-AR004-11	0.25	0.34	190	12.1	8.9	15.6	11.5	24	17.7	20	15	360	7.9	16.8	1.66	3.66	c	Ex II 2GD c T6 IIC T85°C	8411 0342 37		

¹⁾ For Shaft loading curves, see page 16.

²⁾ Flange is mounted and supplied with the motor.

The brake needs minimum 3 bar to release. Performance curves same as standard motors, see page 33 and 38.

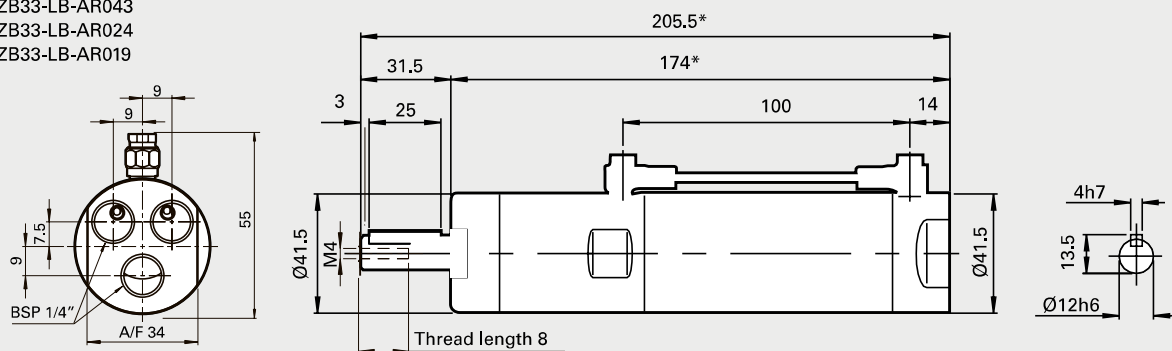
NOTE: - If running motors with 100% dry air and no lubrication, performance can be reduced with 5-15% at max output.
 - To optimize life time for a lubrication free motor, use lubricated air if the application allows it.

Dimensions (mm)

Conversion factor 1 mm = 0.04 inch

Reversible with brake

LZB33-LB-AR150
LZB33-LB-AR043
LZB33-LB-AR024
LZB33-LB-AR019

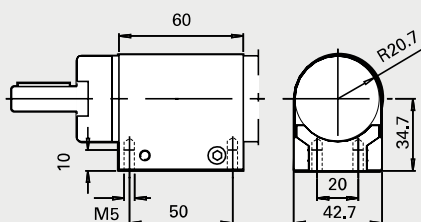


*) +4 mm for LZB34-RLB-AR150
LZB34-RLB-AR043
LZB34-RLB-AR024
LZB34-RLB-AR019

*) +34 mm for LZB33-LB-AR009
LZB33-LB-AR005
LZB33-LB-AR004

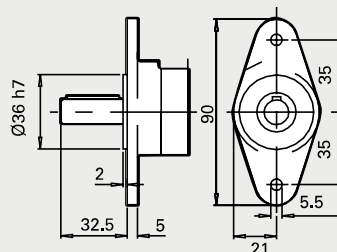
*) +39 mm for LZB34-RLB-AR009
LZB34-RLB-AR005
LZB34-RLB-AR004

Optional mounting

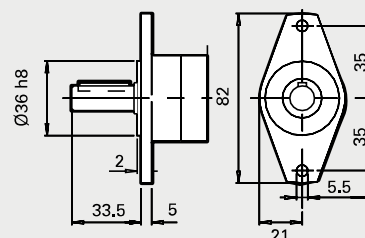


Foot
Ordering No. 4430 0162 80

Stainless foot
Ordering No. 4430 0855 80



LZB33-LB, Flange
Ordering No.
4110 0878 85 with holes
4110 0878 80 without holes



LZB34-RLB, Stainless flange
Ordering No. 4430 0850 80

Reversible with brake

LZB33-LB-AR0026

