

VANE MOTORS LZB54-LB

Brake module, lubrication free and reversible



0.79 – 0.82 kW
1.05 – 1.10 hp

Braking torque from 15–200 Nm.
 The brake is activated by spring force and released by air pressure.

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

For optional vanes and 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)																			
LZB54-LB-AR015-11	0.82	1.1	880	8.9	6.6	11	8.1	17.8	13.1	15	11	1700	18	38	4.1	9	g	Ex II 2GD c T4 IIC T110°C	8411 0568 42
LZB54-LB-AR005-11	0.8	1.07	260	30	22	38	28	60	44	50	37	500	18	38	4.3	9.4	g	Ex II 2GD c T6 IIC T85°C	8411 0568 59
LZB54-LB-AR004-11	0.8	1.07	190	40	30	51	38	80	59	70	52	370	18	38	4.3	9.4	g	Ex II 2GD c T6 IIC T85°C	8411 0568 67
LZB54-LB-AR0020-11	0.79	1.06	105	72	53	93	69	144	106	125	92.5	190	18	38	6.4	14	h	Ex II 2GD c T6 IIC T85°C	8411 0568 75
LZB54-LB-AR0012-11	0.79	1.06	65	119	88	153	113	238	176	200	148	120	18	38	6.4	14	h	Ex II 2GD c T6 IIC T85°C	8411 0568 83
LZB54-LB-AR0009-11	0.79	1.06	47	161	119	207	153	322	237	280	206	90	18	38	6.4	14	h	Ex II 2GD c T6 IIC T85°C	8411 0569 10

¹⁾ For Shaft loading curves, see page 16.

The brake needs minimum 5 bar to release. Performance curves same as standard motors.

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.

