

VANE MOTORS LZB54



0.79 – 1.20 kW
1.06 – 1.61 hp

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		Free speed	Air consumption at max output		Weight		Shaft loading code ¹⁾	ATEX code	Ordering No.
	Lubricated	kW	hp	r/min	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg			
Clockwise rotation (Keyed shaft)																	
LZB54-A180-11	1.20	1.61	10000	1.15	0.85	1.8	1.33	2.3	1.7	17500	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0560 08
LZB54-A050-11	1.20	1.61	2900	4.0	3.0	6.4	4.7	8.0	5.9	5100	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0560 16
LZB54-A030-11	1.20	1.61	1750	6.6	4.9	10.5	7.7	13.2	9.7	3100	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0560 24
LZB54-A020-11	1.20	1.61	1300	8.9	6.6	14	10.3	17.8	13.1	2300	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0560 32
LZB54-A010-11	1.18	1.58	630	18	13.3	29	21	36	27	1050	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0560 40
LZB54-A007-11	1.18	1.58	380	30	22	48	35	60	44	650	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0560 57
LZB54-A005-11	1.18	1.58	280	40	30	65	48	80	59	500	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0560 65
LZB54-A0025-11	1.15	1.54	150	72	53	117	86	144	106	270	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0560 73
LZB54-A0017-11	1.15	1.54	95	119	88	193	142	238	176	160	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0560 81
LZB54-A0012-11	1.15	1.54	70	161	119	261	193	322	237	120	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0560 99
Anti-clockwise rotation (Keyed shaft)																	
LZB54-AV180-11	1.20	1.61	10000	1.15	0.85	1.8	1.33	2.3	1.7	17500	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0564 04
LZB54-AV050-11	1.20	1.61	2900	4.0	3.0	6.4	4.7	8.0	5.9	5100	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0564 12
LZB54-AV030-11	1.20	1.61	1750	6.6	4.9	10.5	7.7	13.2	9.7	3100	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0564 20
LZB54-AV020-11	1.20	1.61	1300	8.9	6.6	14	10.3	17.8	13.1	2300	22.0	47.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0564 38
LZB54-AV010-11	1.18	1.58	630	18	13.3	29	21	36	27	1050	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0564 46
LZB54-AV007-11	1.18	1.58	380	30	22	48	35	60	44	650	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0564 53
LZB54-AV005-11	1.18	1.58	280	40	30	65	48	80	59	500	22.0	47.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0564 61
LZB54-AV0025-11	1.15	1.54	150	72	53	117	86	144	106	270	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0564 79
LZB54-AV0017-11	1.15	1.54	95	119	88	193	142	238	176	160	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0564 87
LZB54-AV0012-11	1.15	1.54	70	161	119	261	193	322	237	120	22.0	47.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0564 95
Reversible (Keyed shaft)																	
LZB54-AR130-11	0.82	1.10	6800	1.15	0.85	1.4	1.03	2.3	1.7	12000	18.0	38.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0563 05
LZB54-AR035-11	0.82	1.10	1960	4.0	3.0	5.1	3.8	8.0	5.9	3700	18.0	38.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0563 13
LZB54-AR020-11	0.82	1.10	1190	6.6	4.9	8.4	6.2	13.2	9.7	2300	18.0	38.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0563 21
LZB54-AR015-11	0.82	1.10	880	8.9	6.6	11	8.1	17.8	13.1	1700	18.0	38.0	2.4	5.2	g	Ex II 2GD c T4 IIC T110°C	8411 0563 39
LZB54-AR008-11	0.80	1.07	430	18	13.3	23	17	36	27	800	18.0	38.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0563 47
LZB54-AR005-11	0.80	1.07	260	30	22	38	28	60	44	500	18.0	38.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0563 54
LZB54-AR004-11	0.80	1.07	190	40	30	51	38	80	59	370	18.0	38.0	2.5	5.5	g	Ex II 2GD c T6 IIC T85°C	8411 0563 62
LZB54-AR0020-11	0.79	1.06	105	72	53	93	69	144	106	190	18.0	38.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0563 70
LZB54-AR0012-11	0.79	1.06	65	119	88	153	113	238	176	120	18.0	38.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0563 88
LZB54-AR0009-11	0.79	1.06	47	161	119	207	153	322	237	90	18.0	38.0	4.7	10.3	h	Ex II 2GD c T6 IIC T85°C	8411 0563 96

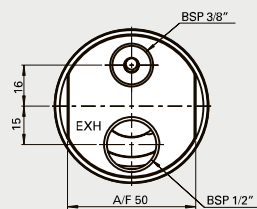
¹⁾ For Shaft loading curves, see page 16.

Dimensions (mm)

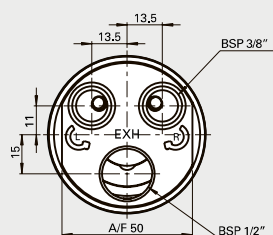
Conversion factor 1 mm = 0.04 inch

All versions

Clockwise/
Anti-clockwise



Reversible



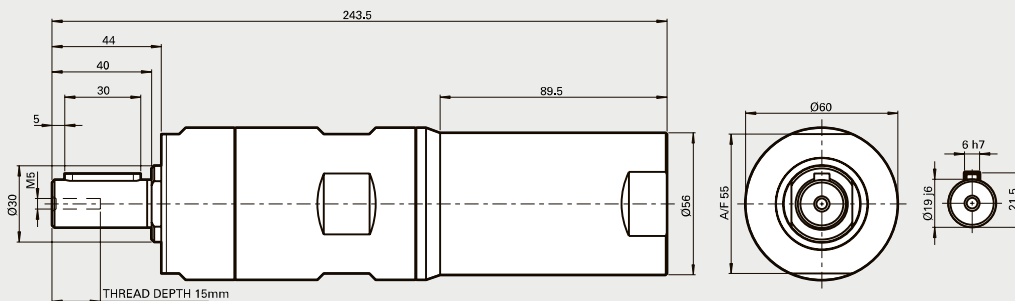
Clockwise/ Anti-clockwise

LZB54-A180
LZB54-A050
LZB54-A030
LZB54-A020
LZB54-A010
LZB54-A007
LZB54-A005

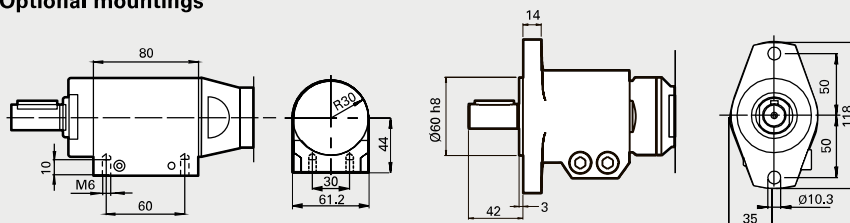
LZB54-AV180
LZB54-AV050
LZB54-AV030
LZB54-AV020
LZB54-AV010
LZB54-AV007
LZB54-AV005

Reversible

LZB54-AR130
LZB54-AR035
LZB54-AR020
LZB54-AR015
LZB54-AR008
LZB54-AR005
LZB54-AR004



Optional mountings



Foot Ordering No. 4430 0178 80

Flange Ordering No. 4430 0569 84

Clockwise/ Anti-clockwise

LZB54-A0025
LZB54-A0017
LZB54-A0012
LZB54-AV0025
LZB54-AV0017
LZB54-AV0012

Reversible

LZB54-AR0020
LZB54-AR0012
LZB54-AR0009

