

VANE MOTORS LZB33-L

High torque and lubrication free



0.23 – 0.37 kW
0.31 – 0.50 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.
Lubrication free	kW hp	r/min	Nm lb-ft	Nm lb-ft	Nm lb-ft	r/min	l/s cfm	kg lb			
Clockwise rotation (Keyed shaft)											
LZB33-L-A0020-11	0.37 0.50	100	36 27	66 49	72 53	210	8.1 17.2	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0322 07
LZB33-L-A0015-11	0.37 0.50	75	49 36	90 66	98 72	150	8.1 17.2	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0322 15
LZB33-L-A0011-11	0.37 0.50	55	65 48	118 87	130 96	115	8.1 17.2	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0322 23
LZB33-L-A0008-11	0.37 0.50	41	88 65	158 117	176 130	80	8.1 17.2	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0322 31
LZB33-L-A0007-11	0.37 0.50	33	110 81	200 148	220 162	70	8.1 17.2	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0322 49
LZB33-L-A0005-11	0.36 0.48	24	145 107	274 202	290 214	50	8.1 17.2	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0322 56
LZB33-L-A0004-11	0.36 0.48	18	195 144	360 266	390 288	38	8.1 17.2	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0322 64
LZB33-L-A0003-11	0.36 0.48	13	260 192	490 361	520 384	26	8.1 17.2	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0322 72
LZB33-L-A0002-11	0.36 0.48	10	349 257	680 502	698 515	20	8.1 17.2	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0322 80
Reversible (Keyed shaft)											
LZB33-L-AR0015-11	0.24 0.32	75	31 23	41 30	62 46	140	7.9 16.8	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0323 06
LZB33-L-AR0011-11	0.24 0.32	55	42 31	56 41	84 62	100	7.9 16.8	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0323 14
LZB33-L-AR0008-11	0.24 0.32	41	56 41	74 55	112 83	75	7.9 16.8	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0323 22
LZB33-L-AR0006-11	0.24 0.32	31	75 55	100 74	150 111	60	7.9 16.8	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0323 30
LZB33-L-AR0005-11	0.24 0.32	25	93 69	125 92	186 137	45	7.9 16.8	2.6 5.8	g	Ex II 2GD c T6 IIC T85°C	8411 0323 48
LZB33-L-AR0004-11	0.23 0.31	18	120 89	169 125	240 177	35	7.9 16.8	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0323 55
LZB33-L-AR0003-11	0.23 0.31	13	165 122	230 170	330 243	25	7.9 16.8	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0323 63
LZB33-L-AR0002-11	0.23 0.31	10	220 162	305 225	440 325	20	7.9 16.8	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0323 71
LZB33-L-AR0001-11	0.23 0.31	7	300 221	412 304	600 443	14	7.9 16.8	5.0 11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0323 89

¹⁾ For Shaft loading curves, see page 16.

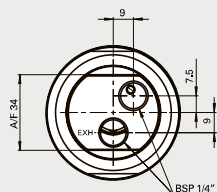
NOTE: - If running motors with 100% dry air and no lubrication, performance can be reduced with 5-15% at max output.
- To optimize life time for a lubrication free motor, use lubricated air if the application allows it.

Dimensions (mm)

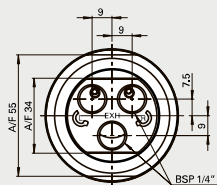
Conversion factor 1 mm = 0.04 inch

All versions

Clockwise



Reversible

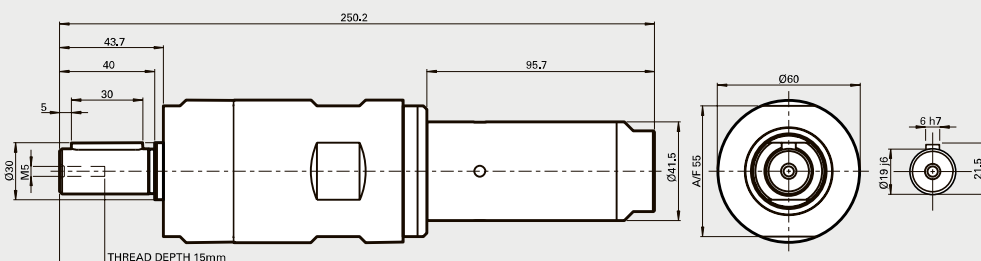


Clockwise

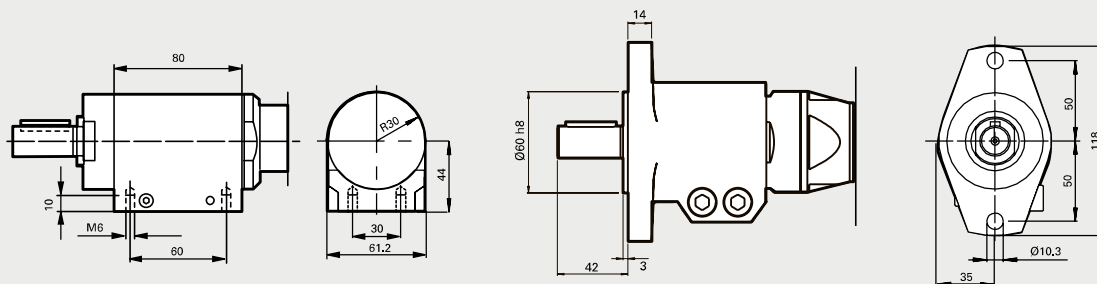
LZB33-L-A0020
LZB33-L-A0015
LZB33-L-A0011
LZB33-L-A0008
LZB33-L-A0007

Reversible

LZB33-L-AR0015
LZB33-L-AR0011
LZB33-L-AR0008
LZB33-L-AR0006
LZB33-L-AR0005



Optional mounting



Foot
Ordering No. 4430 0178 80

Flange
Ordering No. 4430 0569 84

Clockwise

LZB33-L-A0005
LZB33-L-A0004
LZB33-L-A0003
LZB33-L-A0002

Reversible

LZB33-L-AR0004
LZB33-L-AR0003
LZB33-L-AR0002
LZB33-L-AR0001

