

Vane motors LZB42-L

Lubrication free

0.50 – 0.71 kW

0.67 – 0.95 hp

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

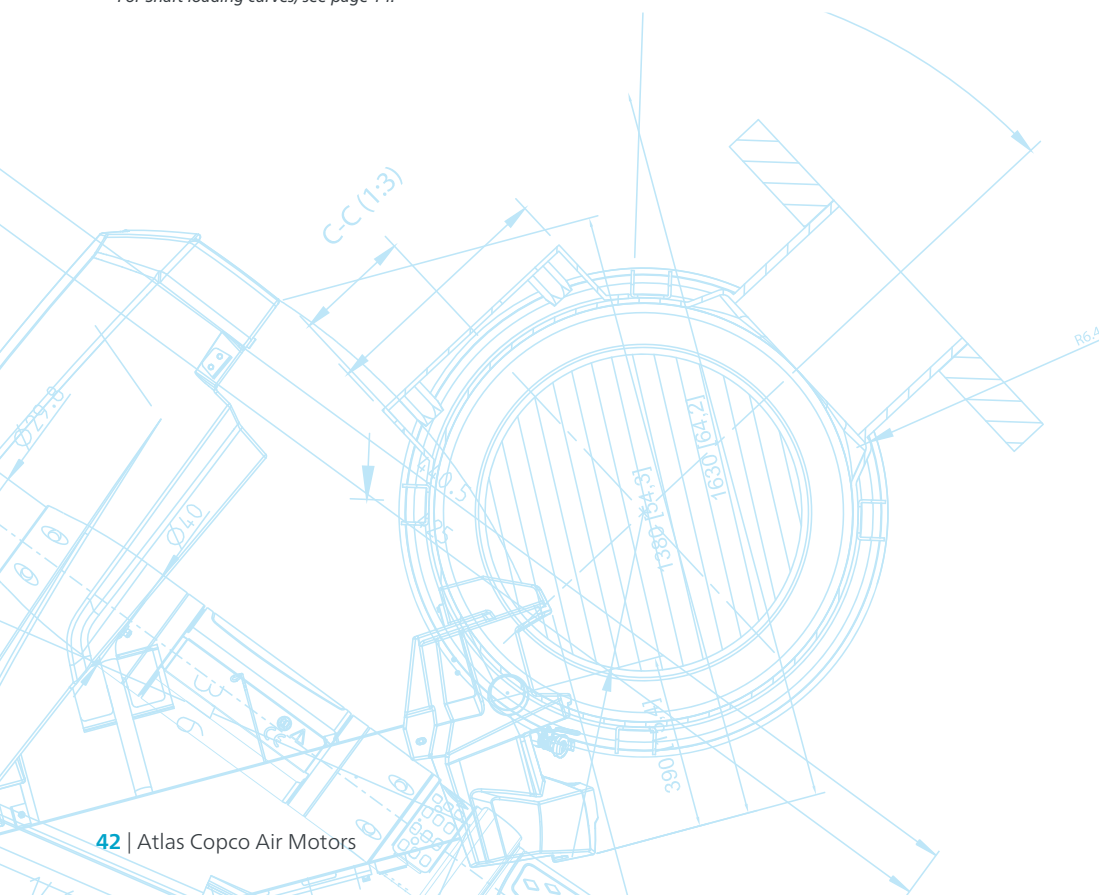
For optional vanes and accessories see chapter Accessories.



Data at air pressure 6.3 bar (91 psi)

Model Lubricated	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)											
LZB42-L-A200-11	0.71 0.95	10000	0.68 0.5	1.09 0.8	1.4 1.0	19000	13.0 28.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0420 08
LZB42-L-A065-11	0.71 0.95	3100	2.2 1.6	3.5 2.6	4.4 3.2	6100	13.0 28.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0420 16
LZB42-L-A040-11	0.71 0.95	1960	3.5 2.6	5.6 4.1	7.0 5.2	3800	13.0 28.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0420 24
LZB42-L-A025-11	0.71 0.95	1180	5.8 4.3	9.3 6.9	11.6 8.6	2200	13.0 28.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0420 32
LZB42-L-A015-11	0.70 0.94	690	9.7 7.2	15.5 11.4	19.4 14.3	1300	13.0 28.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0420 40
LZB42-L-A010-11	0.70 0.94	440	15.1 11.1	24 18	30 22	850	13.0 28.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0420 57
LZB42-L-A005-11	0.70 0.94	260	25 18.4	40 30	50 37	500	13.0 28.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0420 65
LZB42-L-A0030-11	0.68 0.91	150	44 32	70 52	88 65	270	13.0 28.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0420 73
LZB42-L-A0020-11	0.68 0.91	95	69 51	110 81	138 102	180	13.0 28.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0420 81
LZB42-L-A0012-11	0.68 0.91	55	114 84	182 134	228 168	105	13.0 28.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0420 99
LZB42-L-A0008-11	0.66 0.89	37	173 128	277 204	346 255	70	13.0 28.0	4.9 10.7	h	Ex II 2GD h T6 IIC T85°C	8411 0421 07
LZB42-L-A0005-11	0.66 0.89	23	272 201	435 321	544 401	42	13.0 28.0	4.9 10.7	h	Ex II 2GD h T6 IIC T85°C	8411 0421 15
Reversible (Keyed shaft)											
LZB42-L-AR170-11	0.53 0.71	8000	0.63 0.46	0.85 0.63	1.3 1.0	14200	12.5 27.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0423 05
LZB42-L-AR050-11	0.53 0.71	2500	2.0 1.5	2.7 2.0	4.0 3.0	4500	12.5 27.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0423 13
LZB42-L-AR030-11	0.53 0.71	1570	3.2 2.4	4.3 3.2	6.4 4.7	2800	12.5 27.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0423 21
LZB42-L-AR020-11	0.53 0.71	940	5.4 4.0	7.3 5.4	10.8 8.0	1700	12.5 27.0	1.2 2.65	e	Ex II 2GD h T4 IIC T110°C	8411 0423 39
LZB42-L-AR010-11	0.52 0.70	550	9.0 6.6	12.2 9.0	18 13.3	980	12.5 27.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0423 47
LZB42-L-AR007-11	0.52 0.70	350	14 10.3	18.9 13.9	28 21	640	12.5 27.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0423 54
LZB42-L-AR004-11	0.52 0.70	210	23 17	31 23	46 34	375	12.5 27.0	1.25 2.75	e	Ex II 2GD h T6 IIC T85°C	8411 0423 62
LZB42-L-AR0025-11	0.51 0.68	120	41 30	55 41	82 60	210	12.5 27.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0423 70
LZB42-L-AR0015-11	0.51 0.68	75	64 47	86 63	128 94	140	12.5 27.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0423 88
LZB42-L-AR0010-11	0.51 0.68	46	106 78	143 105	212 156	80	12.5 27.0	2.7 5.8	g	Ex II 2GD h T6 IIC T85°C	8411 0423 96
LZB42-L-AR0006-11	0.50 0.67	29	162 119	219 162	324 239	50	12.5 27.0	4.9 10.7	h	Ex II 2GD h T6 IIC T85°C	8411 0424 04
LZB42-L-AR0004-11	0.50 0.67	19	255 188	344 254	510 376	33	12.5 27.0	4.9 10.7	h	Ex II 2GD h T6 IIC T85°C	8411 0424 12

¹⁾ For Shaft loading curves, see page 14.



LZB42-L: Performance curves at air pressure 6.3 bar (91 psi)

Non-reversible (A)

