

VANE MOTORS LZB46



0.59 – 0.84 kW
0.79 – 1.13 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.
	kW	hp	r/min	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb			
Lubricated																	
Clockwise rotation (Keyed shaft)																	
LZB46-A200-11	0.84	1.13	10800	0.74	0.55	1.2	0.89	1.48	1.09	20000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0460 09
LZB46-A065-11	0.84	1.13	3300	2.4	1.8	3.9	2.9	4.8	3.5	6300	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0460 17
LZB46-A040-11	0.84	1.13	2100	3.8	2.8	6.1	4.5	7.6	5.6	4000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0460 25
LZB46-A025-11	0.84	1.13	1270	6.3	4.6	10	7.4	12.6	9.3	2400	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0460 33
LZB46-A015-11	0.82	1.10	740	10.5	7.7	17	12.5	21	15.5	1400	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0460 41
LZB46-A010-11	0.82	1.10	480	16.5	12.2	26	19.2	33	24.3	900	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0460 58
LZB46-A005-11	0.82	1.10	280	27	20	44	32	55	41	540	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0460 66
LZB46-A0030-11	0.81	1.09	160	48	35	77	57	95	70	300	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0460 74
LZB46-A0020-11	0.81	1.09	105	75	55	121	89	149	110	200	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0460 82
LZB46-A0012-11	0.81	1.09	62	124	91	201	148	248	183	115	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0460 90
LZB46-A0008-11	0.79	1.06	39	191	141	309	228	382	282	70	16.2	34.4	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0461 08
LZB46-A0005-11	0.79	1.06	25	299	221	485	358	598	441	45	16.2	34.4	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0461 16
Clockwise rotation (Threaded shaft)																	
LZB46-A200-12	0.84	1.13	10800	0.74	0.55	1.2	0.89	1.48	1.09	20000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0469 00
LZB46-A065-12	0.84	1.13	3300	2.4	1.8	3.9	2.9	4.8	3.5	6300	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0469 18
LZB46-A040-12	0.84	1.13	2100	3.8	2.8	6.1	4.5	7.6	5.6	4000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0469 26
LZB46-A025-12	0.84	1.13	1270	6.3	4.6	10	7.4	12.6	9.3	2400	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0469 34
LZB46-A015-12	0.82	1.10	740	10.5	7.7	17	12.5	21	15.5	1400	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0469 42
LZB46-A010-12	0.82	1.10	480	16.5	12.2	26	19.2	33	24.3	900	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0469 59
LZB46-A005-12	0.82	1.10	280	27	20	44	32	55	41	540	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0469 67
LZB46-A0030-12	0.81	1.09	160	48	35	77	57	95	70	300	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0469 75
LZB46-A0020-12	0.81	1.09	105	75	55	121	89	149	110	200	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0469 83
LZB46-A0012-12	0.81	1.09	62	124	91	201	148	248	183	115	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0469 91
Anti-clockwise rotation (Keyed shaft)																	
LZB46-AV200-11	0.84	1.13	10800	0.74	0.55	1.2	0.89	1.48	1.1	20000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0465 04
LZB46-AV065-11	0.84	1.13	3300	2.4	1.8	3.9	2.9	4.8	3.5	6300	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0465 12
LZB46-AV040-11	0.84	1.13	2100	3.8	2.8	6.1	4.5	7.6	5.6	4000	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0465 20
LZB46-AV025-11	0.84	1.13	1270	6.3	4.6	10	7.4	12.6	9.3	2400	16.2	34.4	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0465 38
LZB46-AV015-11	0.82	1.10	740	10.5	7.7	17	12.5	21	15.5	1400	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0465 46
LZB46-AV010-11	0.82	1.10	480	16.5	12.2	26	19.2	33	24.3	900	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0465 53
LZB46-AV005-11	0.82	1.10	280	27	20	44	32	55	41	540	16.2	34.4	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0465 61
LZB46-AV0030-11	0.81	1.09	160	48	35	77	57	95	70	300	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0465 79
LZB46-AV0020-11	0.81	1.09	105	75	55	121	89	149	110	200	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0465 87
LZB46-AV0012-11	0.81	1.09	62	124	91	201	148	248	183	115	16.2	34.4	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0465 95
LZB46-AV0008-11	0.79	1.06	39	191	141	309	228	382	282	70	16.2	34.4	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0466 03
LZB46-AV0005-11	0.79	1.06	25	299	221	485	358	598	441	45	16.2	34.4	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0466 11
Reversible (Keyed shaft)																	
LZB46-AR170-11	0.63	0.84	8500	0.71	0.52	0.96	0.71	1.42	1.0	15800	14.0	29.7	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0463 06
LZB46-AR050-11	0.63	0.84	2600	2.3	1.7	3.1	2.3	4.6	3.4	5000	14.0	29.7	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0463 14
LZB46-AR030-11	0.63	0.84	1670	3.6	2.7	4.9	3.6	7.2	5.3	3200	14.0	29.7	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0463 22
LZB46-AR020-11	0.63	0.84	1000	6.0	4.4	8.1	6.0	12	8.9	1900	14.0	29.7	1.2	2.65	e	Ex II 2GD c T4 IIC T110°C	8411 0463 30
LZB46-AR010-11	0.62	0.83	590	10.1	7.4	13.5	10	20	14.9	1100	14.0	29.7	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0463 48
LZB46-AR007-11	0.62	0.83	370	15.8	11.7	21	15.5	32	23.3	700	14.0	29.7	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0463 55
LZB46-AR004-11	0.62	0.83	220	26	19.5	35	26	53	39	420	14.0	29.7	1.3	2.9	e	Ex II 2GD c T6 IIC T85°C	8411 0463 63
LZB46-AR0025-11	0.60	0.80	125	46	34	61	45	91	67	230	14.0	29.7	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0463 71
LZB46-AR0015-11	0.60	0.80	80	72	53	96	71	143	105	150	14.0	29.7	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0463 89
LZB46-AR0010-11	0.60	0.80	49	119	88	161	119	238	175	90	14.0	29.7	2.7	6.0	g	Ex II 2GD c T6 IIC T85°C	8411 0463 97
LZB46-AR0006-11	0.59	0.79	31	183	135	247	182	366	270	55	14.0	29.7	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0464 05
LZB46-AR0004-11	0.59	0.79	20	287	212	388	286	574	423	35	14.0	29.7	4.9	10.8	h	Ex II 2GD c T6 IIC T85°C	8411 0464 13

1) For Shaft loading curves, see page 16.

Dimensions (mm)

Conversion factor 1 mm = 0.04 inch

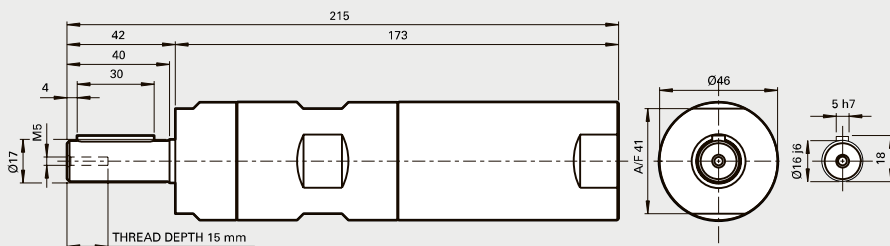
Clockwise/ Anti-clockwise

LZB46-A200
LZB46-A065
LZB46-A040
LZB46-A025
LZB46-A015
LZB46-A010
LZB46-A005
LZB46-AV200
LZB46-AV065
LZB46-AV040
LZB46-AV025
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LZB46-AV010
LZB46-AV005

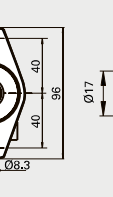
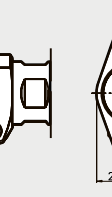
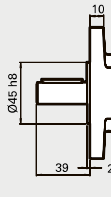
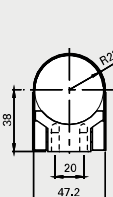
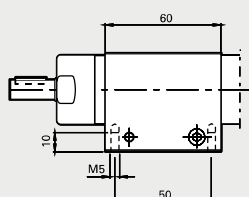
Reversible

LZB46-AR170
LZB46-AR050
LZB46-AR030
LZB46-AR020
LZB46-AR010
LZB46-AR007
LZB46-AR004

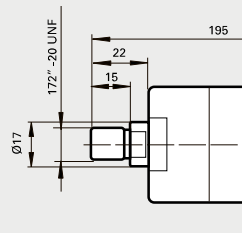
Keyed shaft (-11)



Optional mountings



Threaded shaft (-12)

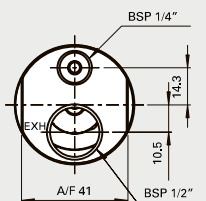


Foot Ordering No. 4430 0575 80

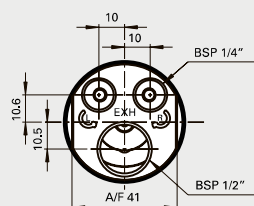
Flange Ordering No. 4430 0490 81

All versions

Clockwise/
Anti-clockwise



Reversible



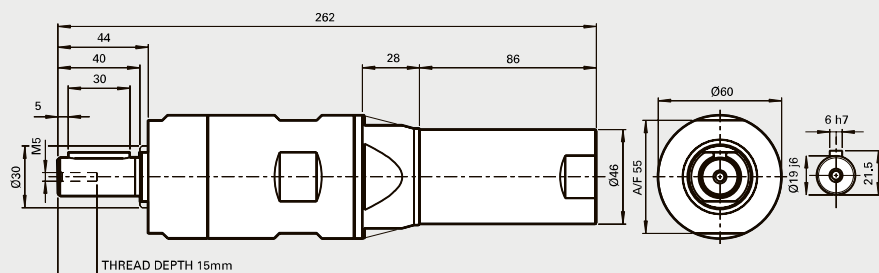
Clockwise/ Anti-clockwise

LZB46-A0030
LZB46-A0020
LZB46-A0012
LZB46-AV0030
LZB46-AV0020
LZB46-AV0012

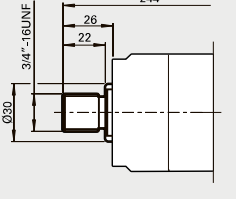
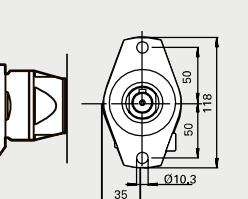
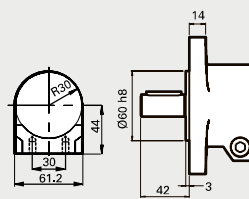
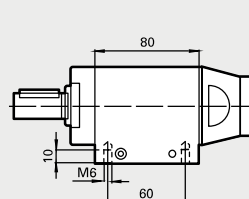
Reversible

LZB46-AR0025
LZB46-AR0015
LZB46-AR0010

Keyed shaft (-11)



Optional mountings



Foot Ordering No. 4430 0178 80

Flange Ordering No. 4430 0569 84

Clockwise/ Anti-clockwise

LZB46-A0008
LZB46-A0005
LZB46-AV0008
LZB46-AV0005

Reversible

LZB46-AR0006
LZB46-AR0004

