

VANE MOTORS LZB42



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	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)																	
LZB42-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 c T4 IIC T110°C	8411 0420 08
LZB42-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 c T4 IIC T110°C	8411 0420 16
LZB42-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 c T4 IIC T110°C	8411 0420 24
LZB42-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 c T4 IIC T110°C	8411 0420 32
LZB42-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 c T6 IIC T85°C	8411 0420 40
LZB42-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 c T6 IIC T85°C	8411 0420 57
LZB42-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 c T6 IIC T85°C	8411 0420 65
LZB42-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 c T6 IIC T85°C	8411 0420 73
LZB42-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 c T6 IIC T85°C	8411 0420 81
LZB42-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 c T6 IIC T85°C	8411 0420 99
LZB42-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 c T6 IIC T85°C	8411 0421 07
LZB42-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 c T6 IIC T85°C	8411 0421 15
Reversible (Keyed shaft)																	
LZB42-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 c T4 IIC T110°C	8411 0423 05
LZB42-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 c T4 IIC T110°C	8411 0423 13
LZB42-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 c T4 IIC T110°C	8411 0423 21
LZB42-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 c T4 IIC T110°C	8411 0423 39
LZB42-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 c T6 IIC T85°C	8411 0423 47
LZB42-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 c T6 IIC T85°C	8411 0423 54
LZB42-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 c T6 IIC T85°C	8411 0423 62
LZB42-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 c T6 IIC T85°C	8411 0423 70
LZB42-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 c T6 IIC T85°C	8411 0423 88
LZB42-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 c T6 IIC T85°C	8411 0423 96
LZB42-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 c T6 IIC T85°C	8411 0424 04
LZB42-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 c T6 IIC T85°C	8411 0424 12

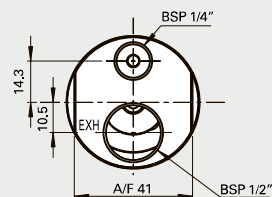
¹⁾ For Shaft loading curves, see page 16.

Dimensions (mm)

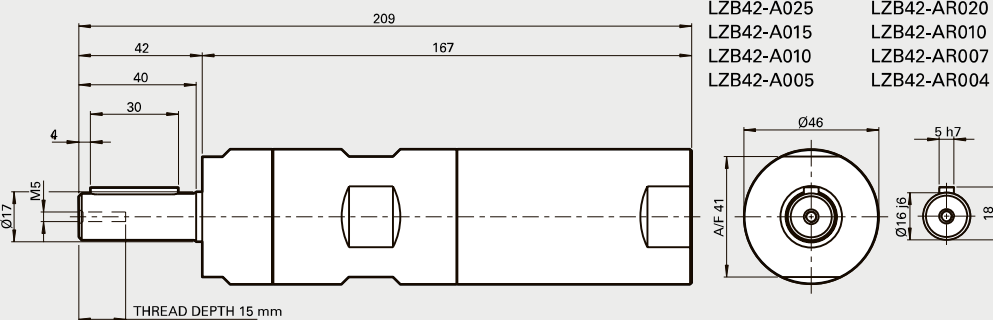
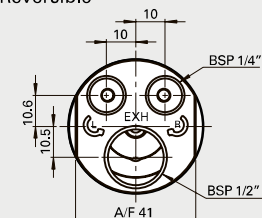
Conversion factor 1 mm = 0.04 inch

All versions

Clockwise

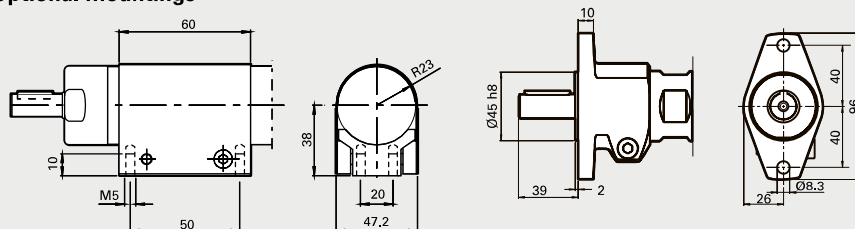


Reversible



Clockwise	Reversible
LZB42-A200	LZB42-AR170
LZB42-A065	LZB42-AR050
LZB42-A040	LZB42-AR030
LZB42-A025	LZB42-AR020
LZB42-A015	LZB42-AR010
LZB42-A010	LZB42-AR007
LZB42-A005	LZB42-AR004

Optional mountings



Foot Ordering No. 4430 0575 80

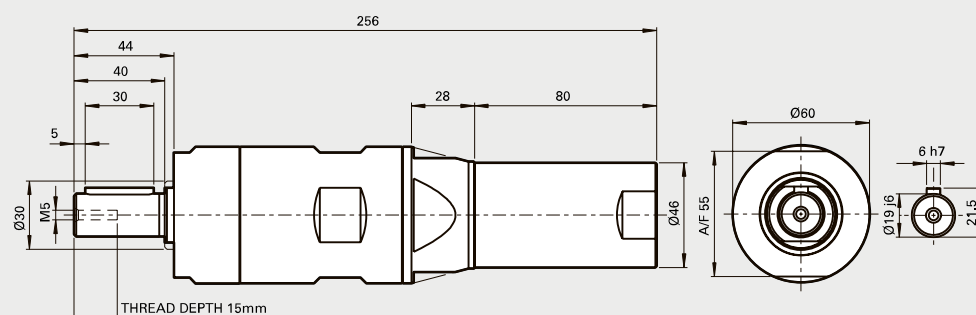
Flange Ordering No. 4430 0490 81

Clockwise

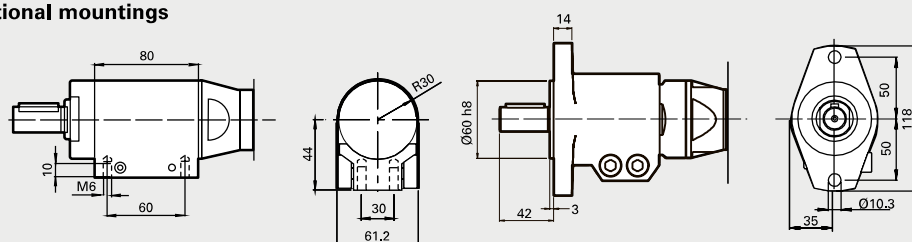
LZB42-A0030
LZB42-A0020
LZB42-A0012

Reversible

LZB42-AR0025
LZB42-AR0015
LZB42-AR0010



Optional mountings



Foot Ordering No. 4430 0178 80

Flange Ordering No. 4430 0569 84

Clockwise

LZB42-A0008
LZB42-A0005

Reversible

LZB42-AR0006
LZB42-AR0004

