

VANE MOTORS LZB66

1.41 – 1.87 kW
1.89 – 2.51 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)																	
LZB66-A180-11	1.87	2.51	8200	2.2	1.62	3.2	2.4	4.4	3.2	16000	34	72	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0602 59
LZB66-A050-11	1.87	2.51	2400	7.6	5.6	11.3	8.3	15.2	11.2	4500	34	72	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0602 67
LZB66-A030-11	1.87	2.51	1440	12.5	9.2	18.6	13.7	25	18.4	2700	34	72	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0602 75
LZB66-A020-11	1.87	2.51	1060	17	12.5	25	18.4	34	25	2000	34	72	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0602 42
LZB66-A010-11	1.83	2.45	510	34	25	51	38	68	50	950	34	72	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0600 59
LZB66-A007-11	1.83	2.45	310	57	42	84	62	114	84	600	34	72	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0600 67
LZB66-A005-11	1.83	2.45	230	77	57	113	83	154	114	440	34	72	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0600 75
LZB66-A0025-11	1.80	2.41	125	139	103	205	151	278	205	230	34	72	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0600 83
LZB66-A0017-11	1.80	2.41	75	227	167	337	249	454	335	145	34	72	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0600 91
LZB66-A0012-11	1.80	2.41	55	308	227	456	336	616	454	110	34	72	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0602 83
Reversible (Keyed shaft)																	
LZB66-AR130-11	1.46	1.96	7500	1.9	1.4	2.4	1.8	3.8	2.8	13500	31	66	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0602 91
LZB66-AR035-11	1.46	1.96	2200	6.4	4.7	8.3	6.1	12.8	9.4	3900	31	66	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0603 09
LZB66-AR020-11	1.46	1.96	1320	10.5	7.7	13.5	10	21	15.5	2400	31	66	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0603 17
LZB66-AR015-11	1.46	1.96	970	14.3	10.5	18.5	13.6	29	21	1750	31	66	2.8	6.2	g	Ex II 2GD c T4 IIC T110°C	8411 0603 25
LZB66-AR008-11	1.43	1.92	470	29	21	37	27	58	43	830	31	66	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0601 25
LZB66-AR005-11	1.43	1.92	290	48	35	62	46	96	71	500	31	66	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0601 33
LZB66-AR004-11	1.43	1.91	210	64	47	84	62	128	94	370	31	66	2.9	6.4	g	Ex II 2GD c T6 IIC T85°C	8411 0601 41
LZB66-AR0020-11	1.41	1.89	115	117	86	151	111	233	172	200	31	66	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0601 58
LZB66-AR0012-11	1.41	1.89	70	191	141	249	184	382	282	120	31	66	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0601 66
LZB66-AR0009-11	1.41	1.89	50	259	191	337	249	518	382	90	31	66	5.1	11.1	h	Ex II 2GD c T6 IIC T85°C	8411 0603 33

¹⁾ For Shaft loading curves, see page 16.

Compact mounting

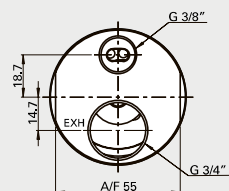
Data at air pressure 6.3 bar (91 psi)

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	lb		
Clockwise rotation (Keyed shaft)																	
LZB66-A0025-15	1.80	2.41	125	139	103	205	151	278	205	230	34	72	5.3	11.7	h	Ex II 2GD c T6 IIC T85°C	8411 0600 18
LZB66-A0017-15	1.80	2.41	75	227	167	337	249	454	335	145	34	72	5.3	11.7	h	Ex II 2GD c T6 IIC T85°C	8411 0600 26
Reversible (Keyed shaft)																	
LZB66-AR0020-15	1.41	1.89	115	117	86	151	111	233	172	200	31	66	5.3	11.7	h	Ex II 2GD c T6 IIC T85°C	8411 0601 09
LZB66-AR0012-15	1.41	1.89	70	191	141	249	184	382	282	120	31	66	5.3	11.7	h	Ex II 2GD c T6 IIC T85°C	8411 0601 17

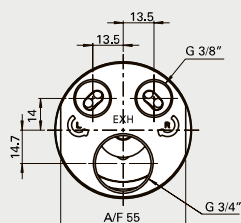
¹⁾ For Shaft loading curves, see page 16.

All versions

Clockwise



Reversible



Clockwise

CLOCKWISE
LZB66-A180

LZB66-A050

LZB66-A030

LZB66-A020

LZB66-A010

LZB66-A007

LZB66-A005

Reversible

LZB66-AR130

LZB66-AR035

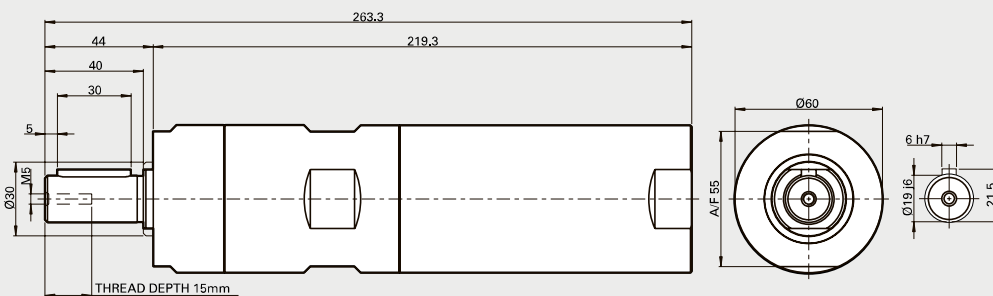
LZB66-AR020

LZB66-AR015

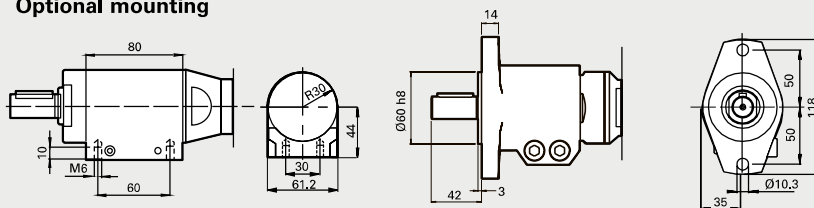
LZB66-AR008

LZB66-AR005

LZB66-AR004



Optional mounting



Foot Ordering No. 4430 0178 80

Flange Ordering No. 4430 0569 84

Clockwise

LZB66-A0025-11

LZB66-A0017-11

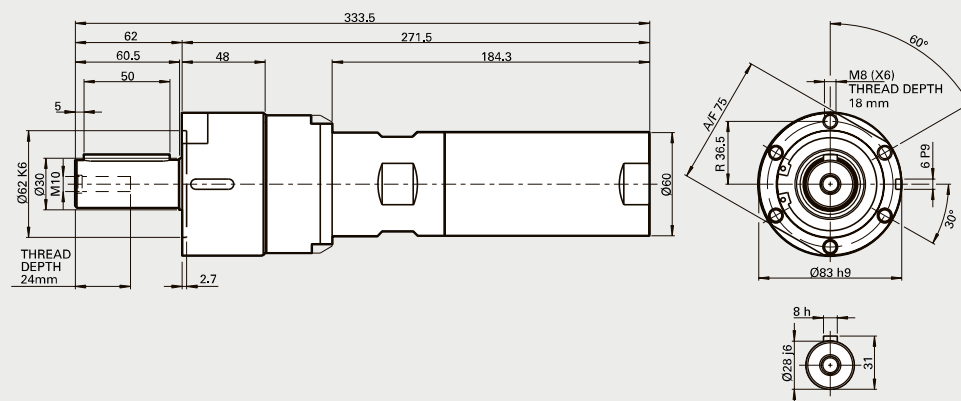
LZB66-A0012-11

Reversible

LZB66-AR0020-11

LZB66-AR0012-11

LZB66-AR0009-11



Clockwise

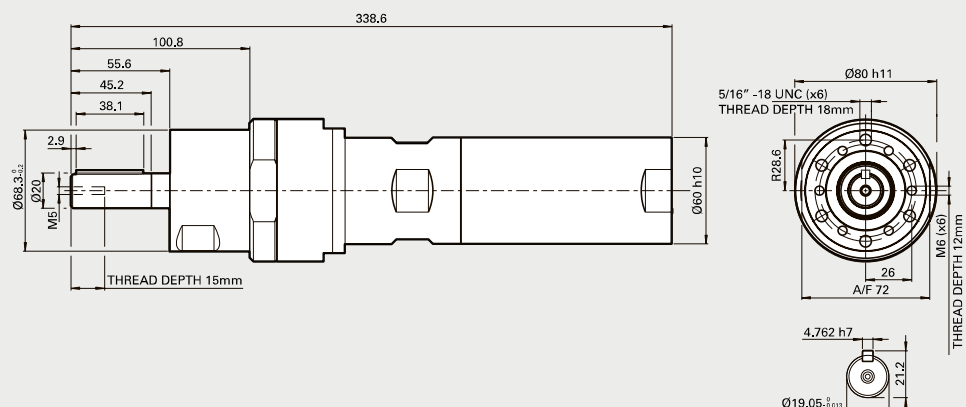
LZB66-A0025-15

LZB66-A0017-15

Reversible

LZB66-AR0020-15

LZB66-AR0012-15



VANE MOTORS LZB66

With right angle



1.79 kW
2.40 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.

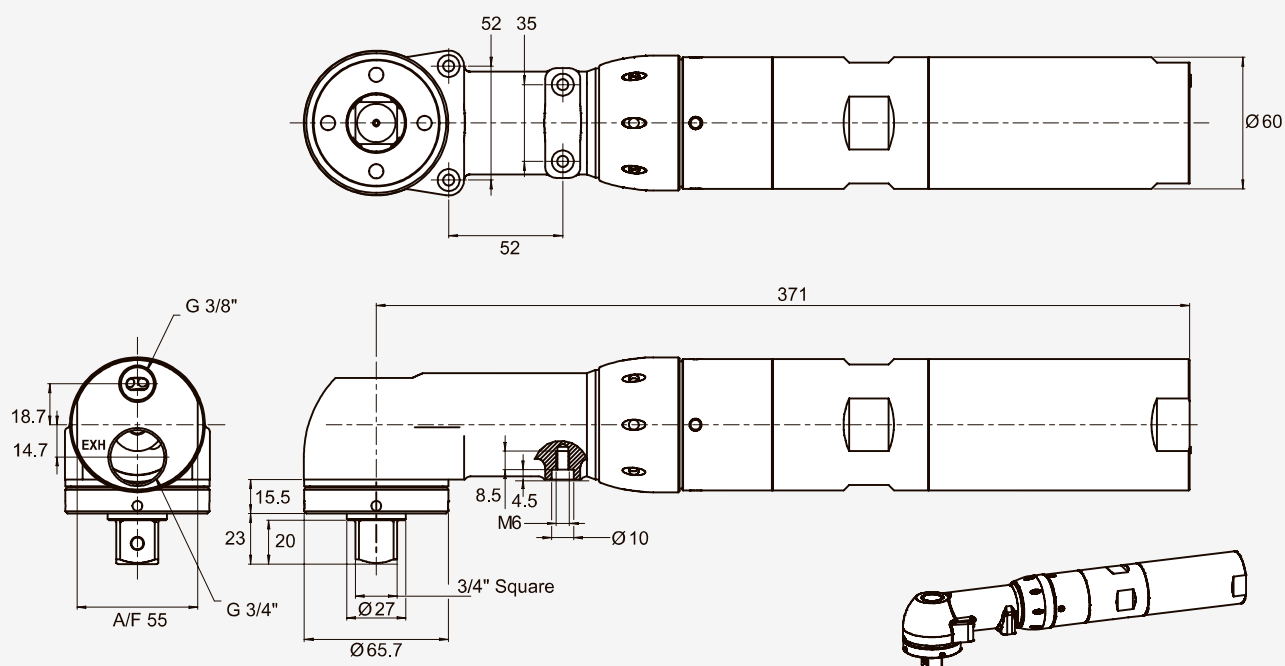


Data at air pressure 6.3 bar (91 psi)

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			
LZB66-A005-16	1.79	2.40	128	136	101	199	146	272	201	244	34	72	6.0	13.1	-	Ex II 2GD c T6 IIC T85°C	8411 0603 82
LZB66-A0025-16	1.76	2.36	69	245	182	362	266	-	-	128	34	72	8.3	18.2	-	Ex II 2GD c T6 IIC T85°C	8411 0603 90

¹⁾ For Shaft loading curves, see page 16.

LZB66-A005-16



LZB66-A025-16

