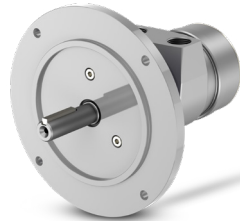
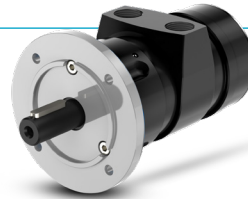


LZL vane motors

1.05 – 6.5 kW

1.4 – 8.7 hp

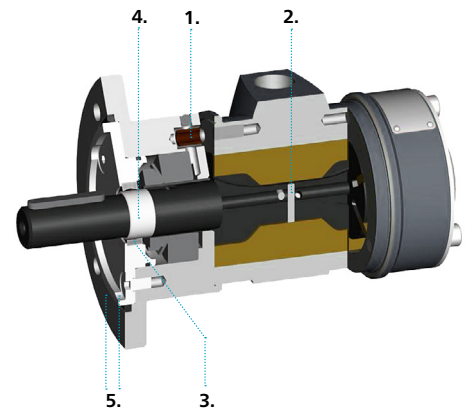


Power motors (P)

The power motors come in all five sizes and are designed to give highest power and still maintain good low speed characteristics. These motors are delivered with lube free vanes and can therefore operate without lubrication.

Typically these motors are characterized by:

- Reliable starting
- High starting torque and good low speed characteristics
- Wide speed and torque range
- Sturdy, compact construction to withstand rough treatment
- Inlet and outlet port restrictors permit free speed running.
- Long working life and easy servicing



1. Rubber hose valves for venting bearing and seals.
2. Vane pins.
3. Double seals.
4. Stainless steel bushing.
5. Aluminum front with stainless steel screws.

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

Data at air pressure 6.3 bar (91 psi)

Model Lubrication free	Max output		Speed at max output r/min	Torque at max output		Min starting torque		Stall torque		Free speed r/min	Max allowed speed r/min	Air consumption at max output		Weight		ATEX code**	Ordering No.
	kW	hp		Nm	lb-ft	Nm	lb-ft	Nm	lb-ft			l/s	cfm	kg	lb		
LZL03-L-P-AC	1.05	1.4	5300	1.9	1.4	2.8	2.1	3.8	2.8	11000		29	61	2.9	6.4	Ex II 2GD h T6 IIC T85°C X	8411 1009 70
LZL03-L-P-IEC	1.05	1.4	5300	1.9	1.4	2.8	2.1	3.8	2.8	11000		29	61	3.9	8.6	Ex II 2GD h T6 IIC T85°C X	8411 1009 88
LZL03-L-P-NEMA	1.05	1.4	5300	1.9	1.4	2.8	2.1	3.8	2.8	11000		29	61	3.8	8.4	Ex II 2GD h T6 IIC T85°C X	8411 1009 96
Unrestricted*	1.7	2.5	7500	2.2	1.6	2.8	2.1	3.8	2.8		11000	45	95				
LZL05-L-P-AC	1.3	1.7	4300	2.9	2.1	4.8	3.5	5.8	4.3	9000		37	78	3.9	8.6	Ex II 2GD h T6 IIC T85°C X	8411 1010 30
LZL05-L-P-IEC	1.3	1.7	4300	2.9	2.1	4.8	3.5	5.8	4.3	9000		37	78	4.8	10.6	Ex II 2GD h T6 IIC T85°C X	8411 1010 48
LZL05-L-P-NEMA	1.3	1.7	4300	2.9	2.1	4.8	3.5	5.8	4.3	9000		37	78	4.9	10.8	Ex II 2GD h T6 IIC T85°C X	8411 1010 55
LZL05-L-P-HUB	1.3	1.7	4300	2.9	2.1	4.8	3.5	5.8	4.3	9000		37	78	3.8	8.4	Ex II 2GD h T6 IIC T85°C X	8411 1011 50
Unrestricted*	2.1	2.8	6300	3.1	2.3	4.8	3.5	5.8	4.3		9200	50	106				
LZL15-L-P-AC	2.3	3.1	3380	6.5	4.8	10.9	8.0	13	9.6	7000		61	129	7.1	15.7	Ex II 2GD h T6 IIC T85°C X	8411 1011 19
LZL15-L-P-IEC	2.3	3.1	3380	6.5	4.8	10.9	8.0	13	9.6	7000		61	129	8.3	18.3	Ex II 2GD h T6 IIC T85°C X	8411 1011 68
LZL15-L-P-NEMA	2.4	3.2	3381	6.6	4.9	10.10	8.1	14	9.7	7000		61	129	8.3	18.3	Ex II 2GD h T6 IIC T85°C X	8411 1011 92
Unrestricted*	3.2	4.3	4500	6.8	5.0	10.9	8.0	13	9.6		7200	87	184				
LZL25-L-P-AC	3.4	4.6	2800	11.6	8.5	18	13.2	23	17	5800		86	182	11.3	24.9	Ex II 2GD h T6 IIC T85°C X	8411 1011 27
LZL25-L-P-IEC	3.4	4.6	2800	11.6	8.5	18	13.2	23	17	5800		86	182	15.2	33.5	Ex II 2GD h T6 IIC T85°C X	8411 1011 76
Unrestricted*	5.0	6.7	4000	12.0	8.8	18	13.2	23	17		6000	135	286				
LZL35-L-P-AC	5.2	7.0	2500	20	14.7	32	23.6	40	30	5000		130	275	20	44.1	Ex II 2GD h T6 IIC T85°C X	8411 1011 35
LZL35-L-P-IEC	5.2	7.0	2500	20	14.7	32	23.6	40	30	5000		13	275	20	44.1	Ex II 2GD h T6 IIC T85°C X	8411 1011 84
Unrestricted*	6.5	8.7	3100	20	14.7	32	23.6	40	30		5000	160	339				

* Motors without restrictor plates in the air in- and outlet, the motor should not be run above max allowed speed.

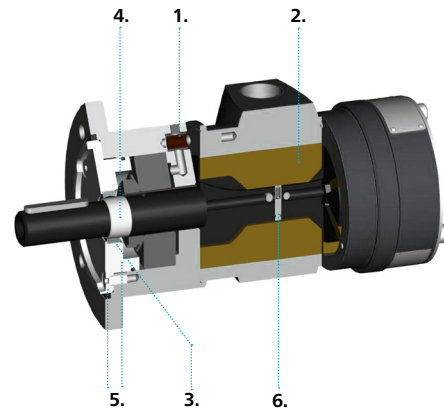
** Max allowed speed for the specified ATEX code is 5000 rpm.

Low to medium speed motors (M)

These motors are, among other applications, ideal for mixing.

To further ensure a clean and hygienic environment, a double shaft seal is used and all components that come in contact with the mixed medium are made of corrosion-resistant material. Thanks to the cylinder design and highly stable bearings, LZL motors require no extra drive shaft support and are ready for mounting without add-ons. For good adaptability, the motors are available with AC, IEC or NEMA.

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



1. Rubber hose valves for venting bearing and seals.
2. Lube free vanes.
3. Double seals.
4. Stainless steel bushing.
5. Aluminum front with stainless steel screws.
6. Spring loaded pins.

Model Lubrication free	Power at 3000 rpm		Torque at 3000 rpm		Stall torque		Max allowed speed	Air consumption at 3000 rpm		Weight		ATEX code	Ordering No.
	kW	hp	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb		
LZL03-L-M-AC	0.41	0.55	1.3	0.95	3.3	2.4	3000	16	34	2.9	6.4	Ex II 2GD h T6 IIC T85°C X	8411 1010 06
LZL03-L-M-IEC	0.41	0.55	1.3	0.95	3.3	2.4	3000	16	34	3.8	8.4	Ex II 2GD h T6 IIC T85°C X	8411 1010 14
LZL03-L-M-NEMA	0.41	0.55	1.3	0.95	3.3	2.4	3000	16	34	3.9	8.6	Ex II 2GD h T6 IIC T85°C X	8411 1010 22
Unrestricted*	1.0	1.3	3.3	2.4	3.8	2.8	3000	24	51				
LZL05-L-M-AC	0.63	0.84	2.0	1.5	5.8	4.3	3000	25	52	3.9	8.6	Ex II 2GD h T6 IIC T85°C X	8411 1010 63
LZL05-L-M-IEC	0.63	0.84	2.0	1.5	5.8	4.3	3000	25	52	4.8	10.6	Ex II 2GD h T6 IIC T85°C X	8411 1010 71
LZL05-L-M-NEMA	0.63	0.84	2.0	1.5	5.8	4.3	3000	25	52	4.9	10.8	Ex II 2GD h T6 IIC T85°C X	8411 1010 89
Unrestricted*	1.7	2.2	5.3	3.9	5.8	4.3	3000	35	74				

* Motor without restrictor plates in the air in- and outlet, the motors should not be run above max allowed speed.

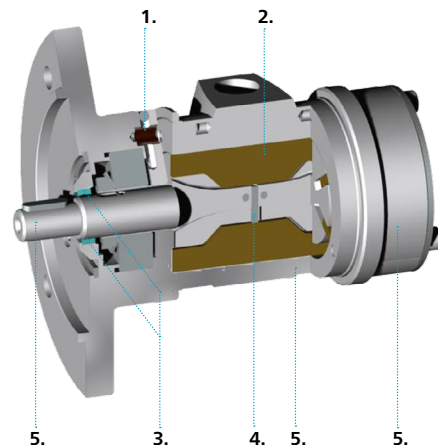
Stainless steel motors

Stainless steel motors are available in the size LZL05. They are lube free and have the same features as the other lube free motors. All external parts, including the output shaft, are made of stainless steel, which makes the motors very corrosion resistant and ideal for applications such as the food industry, corrosive mixing and the chemical industry.

The material used in all external parts is ISO 683/XIII Type 17, SS 14 2346, DIN 17440 X 12CrNiS188.

The material in the output shaft is ISO 683/XIII Type 9b, SS 14 2321, DIN 17440 X 22CrNi17.

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



1. Rubber hose valves for venting bearing and seals.
2. Lube free vanes.
3. Double seals.
4. Vane pins.
5. Stainless steel.

Model Lubrication free	Power at 3000 rpm		Torque at 3000 rpm		Stall torque		Max allowed speed	Air consumption at 3000 rpm		Weight		ATEX code	Ordering No.
	kW	hp	Nm	lb-ft	Nm	lb-ft	r/min	l/s	cfm	kg	lb		
LZL05-RL-P-IEC	0.63	0.84	2.0	1.5	5.8	4.3	3000	25	52	6.1	13.4	Ex II 2GD h T4 IIC T110°C	8411 1010 97
LZL05-RL-P-NEMA	0.63	0.84	2.0	1.5	5.8	4.3	3000	25	52	6.1	13.4	Ex II 2GD h T4 IIC T110°C	8411 1011 01
Unrestricted*	1.7	2.2	5.3	3.9	5.8	4.3	3000	35	74				

* Motor without restrictor plates in the air in- and outlet, the motors should not be run above max allowed speed.