



**ELSIB**  
**Electric Motors**  
**Overview**

**2014**

[www.elsib.ru](http://www.elsib.ru)



# The Company

**Founding year: 1953**

**Production site: 42 ha**

**Workforce: 1600 people**



ELSIB is a leading Russian producer of heavy electric machinery. The company focuses on design and production of heavy electric machinery: electric motors, turbo and hydro generators, excitation systems.

- Induction motors 250...8000 kW
- Synchronous motors 6300, 8000 kW
- Turbo generators from 6 to 500 MW
- Hydro generators of any capacity
- Thyristor-type self-excitation systems for generators
- Maintenance, service, repair, upgrading of electric machinery from any manufacturer

Quality management, environmental management, and health and safety management systems at ELSIB are fully compliant to international ISO 9001, ISO 14001, and OHSAS 18001 standards.





# Motors Overview



Conventional Power



Nuclear Power



Coal



Oil & Gas



General Industrial

ELSIB offers a wide range of high-voltage induction motors with rotational speeds from 500 to 3000 rpm, which can be used to drive pumps, compressors, fans, mills, crushers, and other equipment for conventional and nuclear power generation, oil & gas production and transportation, and other industrial purposes.

## Single-Speed Motors Range

n, rpm P, kW	300 0	1500	1000	750	600	500
250						
315						
400						
500						
630						
800						
1000						
1250						
1600						
2000						
2500						
3150						
4000						
5000						
6300						
8000						

## Double-Speed Motors Range

n, rpm P, kW	1000/750	750/600	600/500
400/250			
500/250			
630/370			
630/400			
800/500			
1000/630			
1250/800			
1250/1100			
1600/1000			
1600/1300			



# Induction Motors Series ATД4

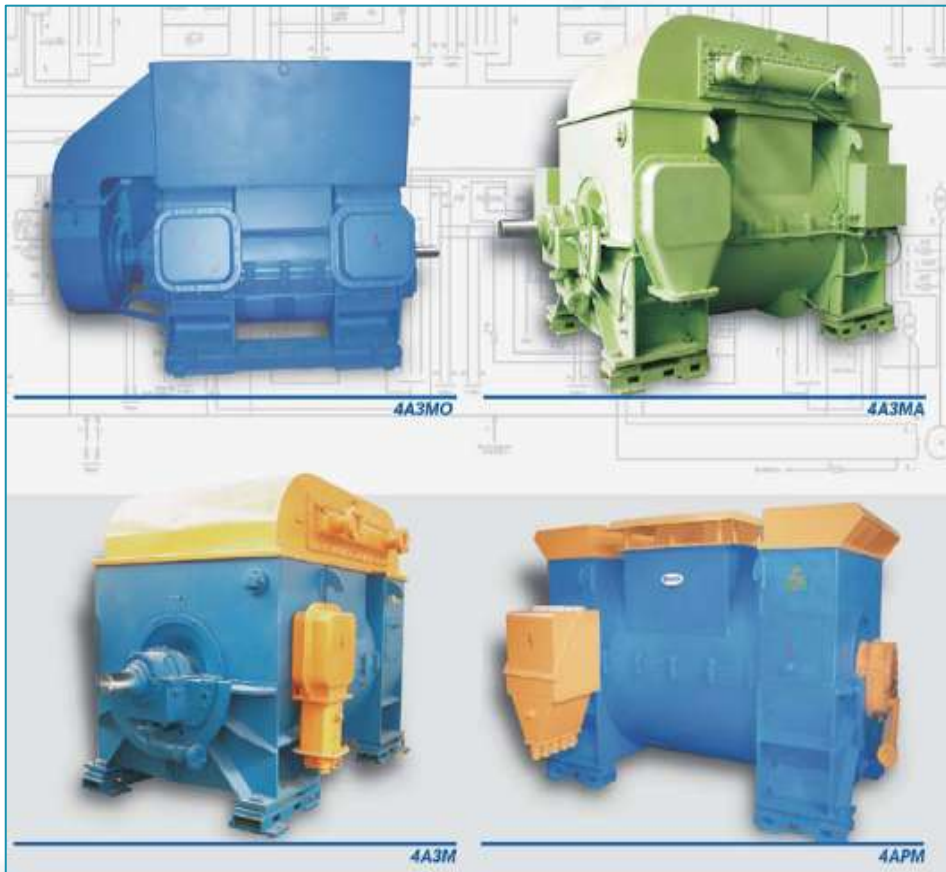
## Two-pole induction motors with squirrel-cage rotors series ATД4 (ATD4).

The motors are horizontal feet mounted with one cylindrical shaft end. The following modifications are available:

- 4A3M, 4A3M1 (4AZM, 4AZM1) – closed-circuit motors with water coolers
- 4APM (4ARM) – motors with an open circuit cooling
- 4A3MA, 4APMAк (4AZMA, 4ARMAк) – specific makes for nuclear power plants
- 4A3MO, 4A3MO1 (4AZMO, 4AZMO1) – motors with closed-circuit air-to-air cooling system

Standard line voltage for the motors is 6000 V, 50Hz. 4A3M and 4APM motors with rated power from 315 to 2500 kW are also made for voltage 3000 V and 630...8000 kW motors have 10000 V versions.

Series ATД4 induction motors can be supplied for tropical environments and 60 Hz supply lines.



# Induction Motors Series АТД4

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
4А3М-315/6000 УХЛ4	315	6000	2973	1615
4А3М-400/6000 УХЛ4	400	6000	2970	1760
4А3М-500/6000 УХЛ4	500	6000	2970	1930
4А3М-630/6000 УХЛ4	630	6000	2979	2660
4А3М-630/10000 УХЛ4	630	10000	2979	2820
4А3М-800/6000 УХЛ4	800	6000	2979	2820
4А3М-800/10000 УХЛ4	800	10000	2982	3030
4А3М-1000/6000 УХЛ4	1000	6000	2979	3030
4А3М-1000/10000 УХЛ4	1000	10000	2973	4080
4А3М-1250/6000 УХЛ4	1250	6000	2973	4080
4А3М-1250/10000 УХЛ4	1250	10000	2973	4380
4А3М-1600/6000 УХЛ4	1600	6000	2973	4380
4А3М-1600/10000 УХЛ4	1600	10000	2973	5600
4А3М-2000/6000 УХЛ4	2000	6000	2973	5600
4А3М-2000/10000 УХЛ4	2000	10000	2973	6200
4А3М-2500/6000 УХЛ4	2500	6000	2973	6200
4А3М-2500/10000 УХЛ4	2500	10000	2982	7000
4А3М-3150/6000 УХЛ4	3150	6000	2976	7000
4А3М-3150/10000 УХЛ4	3150	10000	2979	8700
4А3М-4000/6000 УХЛ4	4000	6000	2982	9200
4А3М-4000/10000 УХЛ4	4000	10000	2976	9200
4А3М-5000/6000 УХЛ4	5000	6000	2982	10400
4А3М-5000/10000 УХЛ4	5000	10000	2976	10400
4А3М-6300/6000 УХЛ4	6300	6000	2976	14400
4А3М-6300/10000 УХЛ4	6300	10000	2982	14850
4А3М-8000/6000 УХЛ4	8000	6000	2985	14400
4А3М1-8000/6000 УХЛ4	8000	6000	2982	14400
4А3М1-315-6000 УХЛ4	315	6000	2973	2025
4А3М1-400-6000-2УХЛ4	400	6000	2973	2125
4А3М1-500-6000-2УХЛ4	500	6000	2973	2235



# Induction Motors Series АД4

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
4APM-315/6000 УХЛ4	315	6000	2973	1525
4APM-400/6000 УХЛ4	400	6000	2970	1670
4APM-500/6000 УХЛ4	500	6000	2970	1800
4APM-630/6000 УХЛ4	630	6000	2979	2520
4APM-630/10000 УХЛ4	630	10000	2979	2680
4APM-800/6000 УХЛ4	800	6000	2979	2680
4APM-800/10000 УХЛ4	800	10000	2982	2890
4APM-1000/6000 УХЛ4	1000	6000	2979	2890
4APM-1000/10000 УХЛ4	1000	10000	2973	3910
4APM-1250/6000 УХЛ4	1250	6000	2973	3910
4APM-1250/10000 УХЛ4	1250	10000	2973	4210
4APM-1600/6000 УХЛ4	1600	6000	2973	4210
4APM-1600/10000 УХЛ4	1600	10000	2973	5400
4APM-2000/6000 УХЛ4	2000	6000	2973	5400
4APM-2500/6000 УХЛ4	2500	6000	2973	5990
4APM-3150/6000 УХЛ4	3150	6000	2976	6770
4APM-4000/6000 УХЛ4	4000	6000	2982	8850
4APM-5000/6000 УХЛ4	5000	6000	2982	10050
4APM-8000/6000 УХЛ4	8000	6000	2985	14120
4APM-8000/10000 УХЛ4	8000	10000	2985	14850
4АЗМА-315/6000 УХЛ4	315	6000	2973	1615
4АЗМА-400/6000 УХЛ4	400	6000	2970	1760
4АЗМА-500/6000 УХЛ4	500	6000	2970	1930
4АЗМА-630/6000 УХЛ4	630	6000	2979	2660
4АЗМА-800/6000 УХЛ4	800	6000	2979	2820
4АЗМА-1000/6000 УХЛ4	1000	6000	2979	3030
4АЗМА-1250/6000 УХЛ4	1250	6000	2973	4080
4АЗМА-1600/6000 УХЛ4	1600	6000	2973	4380
4АЗМА-2000/6000 УХЛ4	2000	6000	2973	5600
4АЗМА-2500/6000 УХЛ4	2500	6000	2973	6200



# Induction Motors Series АТД4

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
4А3МА-3150/6000 УХЛ4	3150	6000	2976	7000
4А3МА-4000/6000 УХЛ4	4000	6000	2982	9200
4А3МА-5000/6000 УХЛ4	5000	6000	2982	10400
4АРМАк-315/6000 УХЛ4	315	6000	2973	1890
4АРМАк-400/6000 УХЛ4	400	6000	2973	1990
4АРМАк-500/6000 УХЛ4	500	6000	2973	2100
4А3МО-500-6000-2УХЛ4, У2	500	6000	2979	3100
4А3МО-630-6000-2УХЛ4, У2	630	6000	2979	3300
4А3МО-800-6000-2УХЛ4, У2	800	6000	2979	3500
4А3МО-1000-6000-2УХЛ4, У2	1000	6000	2976	4900
4А3МО-1250-6000-2УХЛ4, У2	1250	6000	2976	5200
4А3МО-1600-6000-2УХЛ4, У2	1600	6000	2976	6600
4А3МО-2000-6000-2УХЛ4, У2	2000	6000	2976	7300
4А3МО-2500-6000-2УХЛ4, У2	2500	6000	2979	8300
4А3МО-3150-6000-2УХЛ4, У2	3150	6000	2985	10900
4А3МО-4000-6000-2УХЛ4, У2	4000	6000	2985	12300
4А3МО1-250-6000-2У2	250	6000	2976	2300
4А3МО1-315-6000-2У2	315	6000	2976	2415
4А3МО1-400-6000-2У2	400	6000	2976	2550





# Pressurized Motors Series АД4

ELSIB produces a wide range of explosion-proof motors with different protection types and levels for oil & gas, petrochemical, coal, chemical industries. Motors can operate indoors and outdoors in hazardous areas of all classes.

## Explosion-proof two-pole induction motors with squirrel-cage rotors series АД4 (АТД4).

The motors series АД4 are intended for operation in hazardous environments and use pressurised protection method. Protection rating varies depending on the cooling system type (IP23 for open circuit and IP44 for closed circuit with water coolers). Type and level of protection – 1ExpT5 (GOST R 52350).

- 4АРМП – motors with an open circuit cooling
- 4А3МП – closed-circuit motors with water coolers

The motors with rated capacity from 500 to 6300 kW are produced for 3000 and 6000 V, 50 Hz supply lines, 630 to 8000 kW motors – also for 10000 V, 50 Hz supply lines.

The motors are horizontal feet mounted with one drive shaft end. Plain bearings have autonomous lubrication for motors with capacities from 315 to 1000 kW), and external pressurized lubrication for 1250...5000 kW motors. Class “F” stator winding insulation provides high mechanical electric strength and humidity resistance.





# Pressurized Motors Series АД4

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
4АЗМП-500/3000 УХЛ4	500	3000	2970	1930
4АРМП-500/3000 УХЛ4	500	3000	2970	1800
4АЗМП-500/6000 УХЛ4	500	6000	2970	1930
4АРМП-500/6000 УХЛ4	500	6000	2970	1800
4АЗМП-630/3000 УХЛ4	630	3000	2979	2660
4АРМП-630/3000 УХЛ4	630	3000	2979	2520
4АЗМП-630/6000 УХЛ4	630	6000	2979	2660
4АРМП-630/6000 УХЛ4	630	6000	2979	2520
4АЗМП-630/10000 УХЛ4	630	10000	2979	2820
4АРМП-630/10000 УХЛ4	630	10000	2979	2680
4АЗМП-800/3000 УХЛ4	800	3000	2979	2820
4АРМП-800/3000 УХЛ4	800	3000	2979	2680
4АЗМП-800/6000 УХЛ4	800	6000	2979	2820
4АРМП-800/6000 УХЛ4	800	6000	2979	2680
4АЗМП-800/10000 УХЛ4	800	10000	2982	3030
4АРМП-800/10000 УХЛ4	800	10000	2982	2890
4АЗМП-1000/3000 УХЛ4	1000	3000	2979	3030
4АРМП-1000/3000 УХЛ4	1000	3000	2979	2890
4АЗМП-1000/6000 УХЛ4	1000	6000	2979	3030
4АРМП-1000/6000 УХЛ4	1000	6000	2979	2890
4АЗМП-1000/10000 УХЛ4	1000	10000	2973	4080
4АРМП-1000/10000 УХЛ4	1000	10000	2973	3860
4АЗМП-1250/3000 УХЛ4	1250	3000	2973	4080
4АРМП-1250/3000 УХЛ4	1250	3000	2973	3860
4АЗМП-1250/6000 УХЛ4	1250	6000	2973	4080
4АРМП-1250/6000 УХЛ4	1250	6000	2973	3860
4АЗМП-1250/10000 УХЛ4	1250	10000	2973	4380
4АРМП-1250/10000 УХЛ4	1250	10000	2973	4160
4АЗМП-1600/3000 УХЛ4	1600	3000	2973	4380
4АРМП-1600/3000 УХЛ4	1600	3000	2973	4160



# Pressurized Motors Series АД4

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
4А3МП-1600/6000 УХЛ4	1600	6000	2973	4380
4АРМП-1600/6000 УХЛ4	1600	6000	2973	4160
4А3МП-1600/10000 УХЛ4	1600	10000	2973	5600
4АРМП-1600/10000 УХЛ4	1600	10000	2973	5270
4А3МП-2000/6000 УХЛ4	2000	6000	2973	5600
4АРМП-2000/6000 УХЛ4	2000	6000	2973	5270
4А3МП-2000/10000 УХЛ4	2000	10000	2973	6200
4АРМП-2000/10000 УХЛ4	2000	10000	2973	5860
4А3МП-2500/6000 УХЛ4	2500	6000	2973	6200
4АРМП-2500/6000 УХЛ4	2500	6000	2973	5860
4А3МП-2500/10000 УХЛ4	2500	10000	2982	7000
4АРМП-2500/10000 УХЛ4	2500	10000	2982	6640
4А3МП-3150/6000 УХЛ4	3150	6000	2976	7000
4АРМП-3150/6000 УХЛ4	3150	6000	2976	6640
4А3МП-3150/10000 УХЛ4	3150	10000	2979	8700
4А3МП-4000/6000 УХЛ4	4000	6000	2982	9200
4АРМП-4000/6000 УХЛ4	4000	6000	2982	8600
4А3МП-4000/10000 УХЛ4	4000	10000	2976	9200
4А3МП-5000/6000 УХЛ4	5000	6000	2982	10400
4АРМП-5000/6000 УХЛ4	5000	6000	2982	9800
4А3МП-5000/10000 УХЛ4	5000	10000	2976	10400
4АРМП-5000/10000 УХЛ4	5000	10000	2976	10500
4А3МП-6300/6000 УХЛ4	6300	6000	2982	11700
4АРМП-6300/6000 УХЛ4	6300	6000	2982	11700
4А3МП-6300/10000 УХЛ4	6300	10000	2982	11700
4АРМП-6300/10000 УХЛ4	6300	10000	2982	11400
4АРМП-8000/10000 УХЛ4	8000	10000	2985	14650



# Explosion-Proof Motors

## Air-to-air cooled induction motors series A3MB, A3B, AB3B (AZMV, AZV, AVZV).

Flameproof squirrel-cage motors can be used to drive pumps, compressors, feeders and other high-speed machinery used in oil & gas, mining, chemical industries. The motors are totally enclosed and fan cooled and can be used indoors and outdoors. 250...630 kW motors are designed for 6000 V supply lines, 800...5000 kW motors have both 6000 and 10000 V versions.

The motors are rated IP54. Type and level of protection – 1ExdIIBT4 (GOST R 52350).

- ⊕ 2A3MB1, 4A3MB, 4A3MB-TH, 4A3MB1, 5A3MB, 5A3MB1 – two-pole horizontal motors
- ⊕ A3B – four-pole horizontal motors
- ⊕ 2A3BK – four-pole, horizontal motors with roller bearings, left and right rotation direction, equipped with sensors of temperature control of stator winding and air inside motor body;
- ⊕ AB3B – six-pole vertical motors



# Explosion-Proof Motors Series A3MB

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg	Protection label
4A3MB1-250-6000-2Y2,5	250	6000	2976	2330	IExdIIBT4
4A3MB1-315-6000-2Y2,5	315	6000	2976	2440	IExdIIBT4
4A3MB1-400-6000-2Y2,5	400	6000	2976	2575	IExdIIBT4
2A3MB1-500/6000 Y2,5	500	6000	2976	3850	IExdIIBT4
2A3MB1-630/6000 Y2,5	630	6000	2976	4170	IExdIIBT4
4A3MB-800/10000 Y2,5	800	10000	2982	4260	IExdIIBT4
4A3MB-1000/6000 Y2,5	1000	6000	2982	4288	IExdIIBT4
4A3MB-1000/10000 Y2,5	1000	10000	2982	4544	IExdIIBT4
4A3MB-1250/6000 Y2,5	1250	6000	2979	4580	IExdIIBT4
4A3MB-1250/10000 Y2,5	1250	10000	2979	4900	IExdIIBT4
4A3MB-1600/6000 Y2,5	1600	6000	2979	4916	IExdIIBT4
4A3MB-1600/10000 Y2,5	1600	10000	2976	7200	IExdIIBT4
4A3MB-2000/6000 Y2,5	2000	6000	2979	7635	IExdIIBT4
4A3MB-2000/10000 Y2,5	2000	10000	2979	7645	IExdIIBT4
4A3MB-2500/6000 Y2,5	2500	6000	2976	8850	IExdIIBT4
4A3MB-2500/10000 Y2,5	2500	10000	2982	8825	IExdIIBT4
4A3MB-TH-2500/6000 Y2,5	2500	6000	2979	8525	IExdIIBT4
4A3MB-TH-2500/10000 Y2,5	2500	10000	2982	8500	IExdIIBT4
5A3MB-3150/6000 Y2,5	3150	6000	2985	10830	IExdIIBT4
5A3MB-3150/10000 Y2,5	3150	10000	2985	11550	IExdIIBT4
5A3MB-4000/6000 Y2,5	4000	6000	2985	11700	IExdIIBT4
5A3MB-4000/6000 Y2,5	4000	10000	2985	12900	IExdIIBT4
5A3MB-5000/6000 Y2,5	5000	6000	2985	13000	IExdIIBT4
5A3MB-5000/10000 Y2,5	5000	10000	2985	12970	IExdIIBT4
5A3MB1-5000-6000 Y2.5	5000	6000	2985	16026	IExdIIBT4
5A3MB1-5000-10000 Y2.5	5000	10000	2985	16435	IExdIIBT4
5A3MB1-5500-10000 Y2.5	5500	10000	2985	16435	IExdIIBT4





# Explosion-Proof Motors Series A3B, AB3B

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg	Protection label
A3B-800/6000-4Y2,5	800	6000	1490	5780	PBExdI
A3B-800/6000-4УХЛ1	800	6000	1489	5780	IExdIIBT4
A3B-800/10000-4УХЛ1	800	10000	1489	6140	IExdIIBT4
A3B-1000/6000-4Y2,5	1000	6000	1490	6240	PBExdI
A3B-1000/6000-4УХЛ1	1000	6000	1488	6240	IExdIIBT4
A3B-1000/10000-4УХЛ1	1000	10000	1492	6660	IExdIIBT4
A3B-1250/6000-4Y2,5	1250	6000	1492	6700	PBExdI
A3B-1250/6000-4УХЛ1	1250	6000	1492	6700	IExdIIBT4
A3B-1250/10000-4УХЛ1	1250	10000	1492	7540	IExdIIBT4
A3B-1600/6000-4Y2,5	1600	6000	1492	7620	PBExdI
A3B-1600/6000-4УХЛ1	1600	6000	1492	7620	IExdIIBT4
A3B-1600/10000-4УХЛ1	1600	10000	1492	8360	IExdIIBT4
A3B-2000/6000-4Y2,5	2000	6000	1492	8440	PBExdI
A3B-2000/6000-4УХЛ1	2000	6000	1492	8440	IExdIIBT4
4A3B-250-6000-4Y2,5	250	6000	1488	2600	IExdIIBT4
4A3B-250-6000-4У2,5	250	6000	1484	2530	PBExdI
4A3B-315-6000-4Y2,5	315	6000	1488	2750	IExdIIBT4
4A3B-315-6000-4У2,5	315	6000	1484	2680	PBExdI
4A3B-400-6000-4Y2,5	400	6000	1487	2900	IExdIIBT4
4A3B-400-6000-4У2,5	400	6000	1484	2830	PBExdI
4A3B-500-6000-4Y2,5	500	6000	1487	3200	IExdIIBT4
4A3B-500-6000-4У2,5	500	6000	1484	3130	PBExdI
2A3BK-1250/6000-4Y2,5	1250	6000	1492	6260	PBExdI
2A3BK-1600/6000-4Y2,5	1600	6000	1492	6930	PBExdI
2A3BK-2000/6000-4Y2,5	2000	6000	1492	8010	PBExdI
AB3B-2000-10000-6УХЛ1	2000	10000	993	15600	IExdIIBT4
AB3B-2000-6000-6УХЛ1	2000	6000	994	15600	IExdIIBT4



# Induction Motors Series 2АДО

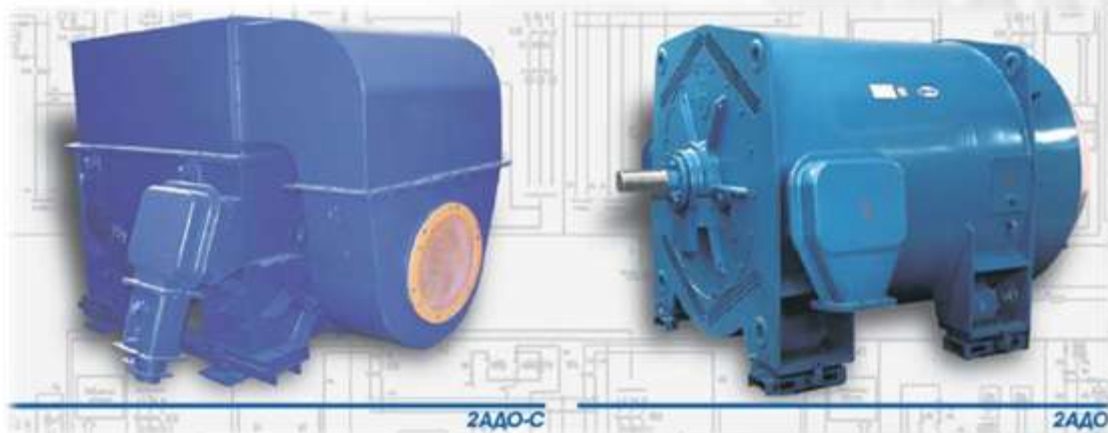
**Three-phase single- and double-speed induction motors 2АДО, 2АДОТ, 2АДО-С, 2АДОТ-С (2АДО, 2АДОТ, 2АДО-С, 2АДОТ-С)**

The motors are designed to drive forced and induced draft fans at power plants and other similar machinery. They can operate in dusty environments and outdoors.

The motors are horizontally mounted with one shaft end, closed ventilation system and air-to-air cooling. Rotational speeds vary from 500 to 1500 RPM and rated power from 250 to 1600 kW.

- 2АДО – motors with roller bearings
- 2АДО-С – motors with plain bearings
- 2АДОТ – motors designed to drive machinery with heavy-duty starting

For simplified installation on existing foundation and replacement of motors ДАЗО, ДАЗО2 modified versions of series 2АДО motors are available.



# Induction Motors Series 2АДО

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
2АДОТ-250-6000-4У1	250	6000	1488	2210
2АДОТ-315-6000-4У1	315	6000	1488	2360
2АДО-315-6000-6У1М	315	6000	991	2930
2АДО-400-6000-4У1	400	6000	1491	2880
2АДОТ-400-6000-4У1	400	6000	1487	2510
2АДО-400-6000-6У1М	400	6000	991	3070
2АДОТ-400-6000-8У1	400	6000	740	3630
2АДОТ-400-6000-8У1М	400	6000	742	3630
2АДО-500-6000-4У1	500	6000	1491	3050
2АДОТ-500-6000-4У1	500	6000	1487	2780
2АДО-500-6000-6У1М	500	6000	991	3410
2АДОТ-500-6000-8У1	500	6000	740	4020
2АДОТ-500-6000-8У1М	500	6000	742	4020
2АДО-630-6000-4У1	630	6000	1491	3520
2АДО-630-6000-6У1М	630	6000	991	3830
2АДОТ-С-800-6000-6У1	800	6000	746	10000
2АДОТ- 800-6000-8У1,Т1	800	6000	992	7000
2АДОТ-С- 800-6000-8У1	800	6000	992	8700
2АДО-С-1250-6000-6У1	1250	6000	995	10000
2АДО-400/250-6000-6/8 У1	400/250	6000	990/746	3795
2АДО-630/400-6000-8/10У1,Т1	630/400	6000	745/598	7700
2АДО-С-630/400-6000-8/10 У1	630/400	6000	745/598	8850
2АДО-630/370-6000-10/12У1, Т1	630/370	6000	596/498	7450
2АДО-С-630/370-6000-10/12 У1	630/370	6000	596/498	8800
2АДО-800/500-6000-8/10 У1,Т1	800/500	6000	745/598	8400
2АДО-С-800/500-6000-8/10 У1	800/500	6000	745/598	9800
2АДО-1000/630-6000-8/10 У1,Т1	1000/630	6000	745/598	8750
2АДО-С-1000/630-6000-8/10 У1	1000/630	6000	745/598	10200
2АДО-1250/800-6000-8/10 У1, Т1	1250/800	6000	744/598	9000
2АДО-С-1250/800-6000-8/10 У1	1250/800	6000	745/598	10000
2АДО-С-1250/1100-6000-6/8 У1	1250/1100	6000	996/748	11000
2АДО-С-1600/1300-6000-6/8 У1	1600/1300	6000	996/748	12200



# Induction Motors Series АДО

## Three-phase single- and double-speed induction motors АДО, АДОТ, АДОШ (ADO, ADOT, ADOSH)

The motors are designed to drive induced and forced draft fans, hammer mills, ball crushes, and similar machinery. They can operate in dusty environments.

- ⊕ АДО – standard make
- ⊕ АДОТ – motors modified to drive machinery with heavy-duty starting
- ⊕ АДОШ – motors for ball mills

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
АДО-800-6000-4 У3	800	6000	1491	5720
АДОТ-800-6000-8 У3	800	6000	747	12500
АДОШ-800-6000-8 У3	800	6000	747	12500
АДОТ-800-6000-12 У1	800	6000	497	12740
АДО-1000-6000-4 У3	1000	6000	1491	6150
АДОТ-1000-6000-12 У3	1000	6000	497	12740
АДО-1250-6000-4 У3	1250	6000	1491	6630
АДО-1250/600 У3	1250	6000	597	14300
АДО-1600-6000-4 У3	1600	6000	1491	7240
АДО-1600/750 У1	1600	6000	745	13740
АДО-1600-6000-10 У1	1600	6000	596	12540
АДО-2000-6000-4 У3	2000	6000	1491	7240
АДО-2000-6000-12 У1	2000	6000	497	16980
АДО-2500/1000 У1	2500	6000	994	14320
АДО-2500/600 У1	2500	6000	594	18000
АДО-3150/1000 У1	3150	6000	995	17370
АДО-3150-6000-10 У1	3150	6000	595	16980
АДО-1600/1000-6000-10/12 У1	1600/1000	6000	596/498	16980





# Induction Motors Series АДР, АДЖ

## Three-phase single- and double speed induction motors series 2АДЖ, 2АДР (2ADZh, 2ADR) .

Horizontally mounted general purpose squirrel-cage motors with one shaft end. Motors of series АДР have open-circuit cooling, АДЖ series motors have closed-circuit air-to-water cooling. Rotational speed varies from 750 to 1500 RPM, rated power from 400 to 800 kW. Double-speed motors have single stator winding and 6/8 poles (synchronous speeds 1000/750 RPM).

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
2АДЖ-400-6000-6УХЛ4	400	6000	985	2530
2АДР-400-6000-6У3	400	6000	985	2410
2АДЖ-500-6000-4УХЛ4	500	6000	1490	2490
2АДР-500-6000-4У3	500	6000	1490	2380
2АДЖ-500-6000-6УХЛ4	500	6000	985	2670
2АДР-500-6000-6У3	500	6000	985	2550
2АДЖ-500-6000-8УХЛ4	500	6000	739	3030
2АДР-500-6000-8У3	500	6000	739	2920
2АДЖ-630-6000-4УХЛ4	630	6000	1490	2660
2АДР-630-6000-4У3	630	6000	1490	2550
2АДЖ-630-6000-6УХЛ4	630	6000	986	2970
2АДР-630-6000-6У3	630	6000	986	2860
2АДЖ-630-6000-8УХЛ4	630	6000	738	3390
2АДР-630-6000-8У3	630	6000	738	3280
2АДЖ-800-6000-4УХЛ4	800	6000	1491	3090
2АДР-800-6000-4У3	800	6000	1491	2980
2АДЖ-800-6000-6УХЛ4	800	6000	986	3360
2АДР-800-6000-6У3	800	6000	986	3250
2АДЖ-400/250-6000-6/8УХЛ4	400/250	6000	990/746	3290
2АДР-400/250-6000-6/8У3	400/250	6000	990/746	3180



# Vertical Motors

**Three-phase vertical induction motors AB, ABП, ABKA, ABЦ (AV, AVP, AVKA, AVC).**

Squirrel-cage vertical motors with one shaft end and air-to-water cooling system.

The following versions are available:

- ⊕ AB – general purpose motors intended to drive condensate pumps
- ⊕ ABП, ABKA, ABЦ motors are primarily designed to drive various types of pumps at nuclear power plants, but can also be used in other industries with similar machinery.

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
AB 400-1000 УХЛ4	400	6000	990	3210
AB 500-1000 УХЛ4	500	6000	990	3397
AB 1000-1000 УХЛ4	630	6000	990	3630
ABП-400-1000 У5	400	6000	985	3290
ABП-500-1000 У5	500	6000	988	3500
ABKA-1000K/1500 УХЛ4	1000	6000	1490	4790
ABKA-1250K/1500 УХЛ4	1250	6000	1490	5070
ABKA-1600-1500 УХЛ4	1600	6000	1492	6880
ABKA-2000-1500 УХЛ4	2000	6000	1492	7500
ABKA-1600K-1500M3	1600	6000	1492	7800
ABЦ 1600-1500 У5	1600	6000	1492	14310
ABЦ 1600K/1500 УХЛ4	1600	6000	1492	16600
ABЦ-2500-6000-6 УХЛ4	2500	6000	995	22650
ABЦ-500/115-6000/660-6/24 УХЛ4	5000/115	6000/380	995/247	31600



# Synchronous Motors Series СДП, СДР

## Synchronous three-phase motors of series СДП, СДР (SDP, SDR).

Horizontally mounted motors with one shaft end. Motors СДП are pressurized and can be used in hazardous areas. They have closed-circuit air-to-water or air-to-liquid cooling system.

General-purpose motors series СДР have open-circuit cooling system, brush or brushless excitation system.

The motors of both series have quakeproof versions.

Motor type	Rated power, kW	Line voltage, V	Rotational speed, RPM	Weight, kg
СДП-10-8000-2УХЛ4 БВУ	8000	10000	3000	20000
СДП-6-8000-2УХЛ4-БВУ	8000	6000	3000	20000
СДП-10-6300-2УХЛ4 БВУ	6300	10000	3000	18500
СДП-6-6300-2УХЛ4 БВУ	6300	6000	3000	18500
СДР-10-8000-2УХЛ4	8000	10000	3000	19000
СДР-10-8000-2УХЛ4 БВУ	8000	10000	3000	13500
СДР-10-6300-2УХЛ4	6300	10000	3000	18000
СДР-10-6300-2УХЛ4 БВУ	6300	10000	3000	18500
СДР-6-6300 2УХЛ4 БВУ	6300	6000	3000	18500
СДР-6-6300 2УХЛ4	6300	6000	3000	18000



A close-up, low-angle shot of a silver metal screw with a Phillips head, extending from the bottom left towards the center. The background is a bright blue sky with scattered white clouds. In the distance, a cityscape with various buildings and greenery is visible under the sky.

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