

## Electric motors 6AMY355M2

General-purpose squirrel-cage induction motors 6AMY355 series are intended for continuous operation with AC mains, rated voltage 380/660 V, frequency of 50. If necessary for a Customer, the motors can be produced for other rated voltage up to 690 V at 50 Hz or 60 Hz frequency.

Mounting methods IM1001 (B3), IM2001 (B3/B5), IM3011 (B5).

Electric motors are manufactured in climatic version Y2. Degree of protection of the casing and terminal box is IP54.

Cooling method is IC0141.

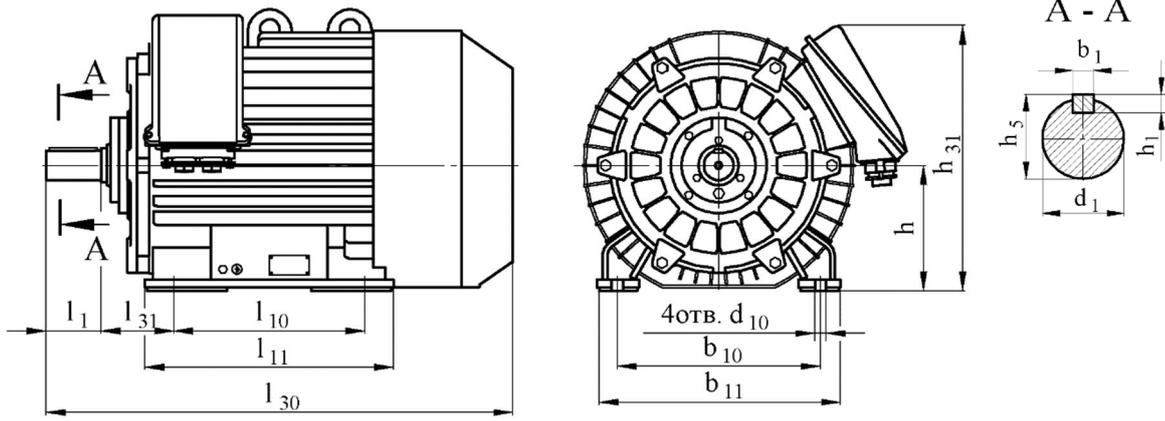
Electric motors are reversible.

Technical specification, mounting and coupling dimensions of electric motors are given in Table 1 and 2, on Fig.2 and 2a.

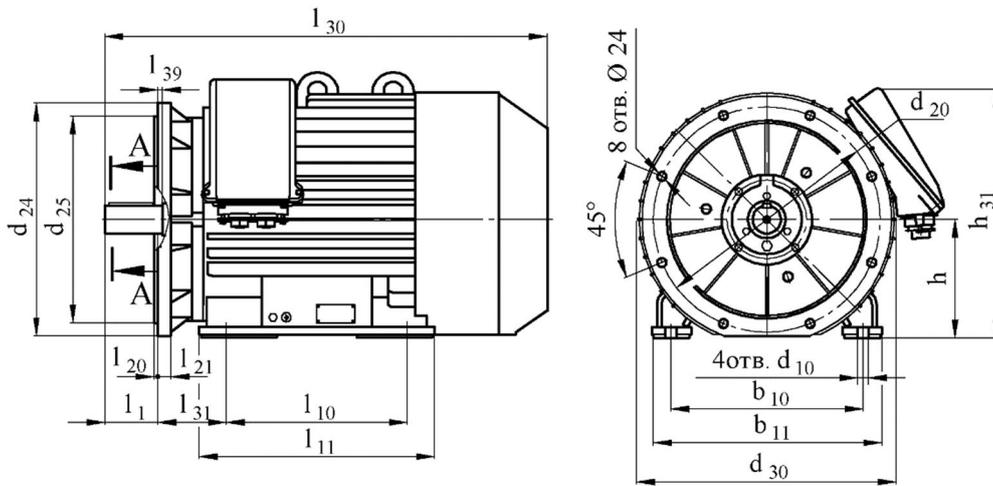
Table 1

Type of electric motor	Power, kW	Slip, %	Rotational speed r.p.m.	Efficiency, %	cos $\varphi$	Rated current at U=380 V, A	M <sub>max</sub> / M <sub>rat</sub>	M <sub>start</sub> / M <sub>rat</sub>	M <sub>min</sub> / M <sub>rat</sub>	I <sub>start</sub> / I <sub>rat</sub>	Weight, kg IM 1001
6AMY355M2	315	1,0	3000	95	0,9	558	3,5	1,7	1,0	7,9	1820

### Mounting and coupling dimensions for IM1001



### Mounting and coupling dimensions for IM2001



### Mounting and coupling dimensions for IM3011

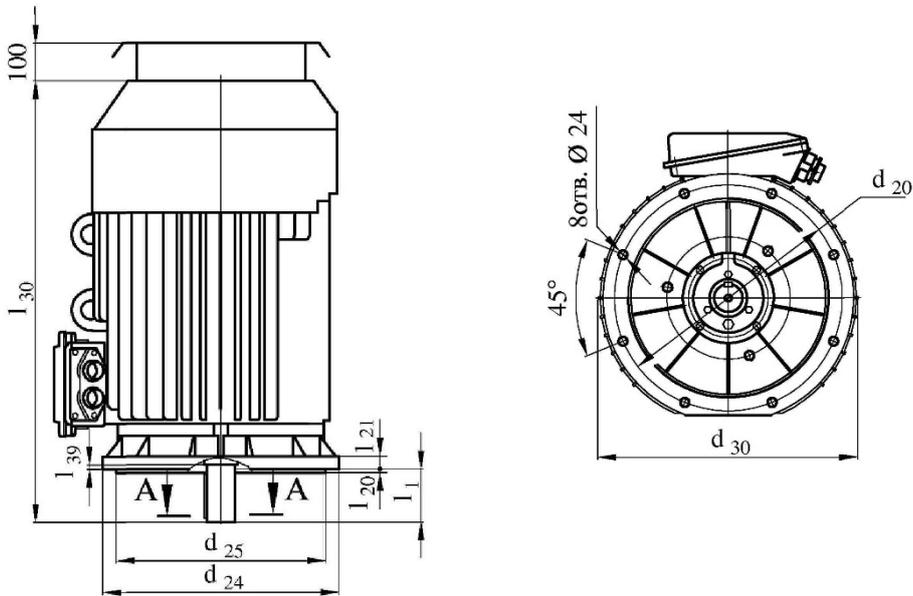


Figure 2a 6AMY355

Dimensions:  $l_{39}=0$ ;  $l_{20}=6$ ;  $d_{22}=24$ ;  $l_{21}=25$ .

Tolerances for mounting and coupling dimensions are according to GOST 8592.

Type of electric motor	Overall dimensions				Mounting and coupling dimensions, mm													
	$l_{30}$	$h_{31}$	$d_{24}$	$d_{30}$	$l_1$	$l_{10}$	$l_{11}$	$l_{31}$	$d_1$	$d_{10}$	$d_{20}$	$d_{25}$	$b_1$	$b_{10}$	$b_{11}$	$h$	$h_1$	$h_5$
6AMY355M2	1695	805	800	770	170	560	620	254	85	28	740	680	22	610	730	355	14	90

On agreement with the customer, electric motors can be manufactured with different mounting and coupling dimensions.