GOST MOTOR

A И Р SERIES AC MOTOR



A \mbox{MP} series three-phase asynchronous motor is specially designed for Russia market, whose terminal box locates on the top of motor. The motor has a very compact structure and attractive appearance, the sizes and mounting dimensions are all in conformity with Gost standard.

Features: high efficiency, energy saving, little noise, high starting torque, reasonable price, easy construction etc.

Application: drilling machines, pumps, fans, mixer, transport machines, food machines, agriculture machines and equipments, etc.

RANGE OF PERFORMANCE

Frame Size: H56~H355 Rated Power Range: 0.18KW~315KW

OPERATING CONDITIONS

Ambient Temperature: -15 °C \leqslant θ \leqslant 40 °C Above Sea Level: not exceed 1000m

Rated Voltage: 220/380V, 380/660 V or to be your request

Rated Frequency: 50HZ or 60HZ Insulation Class: Class F Protection Class: IP55

Duty: S1

TECHNICAL DATA

Model	Rated Power		Rated Power	Eff	Power	In,A	lst/in	Tmax/Tn	Ts/Tn	Weight,kg	
	KW	НР	RPM	(%)	Factor	(U=380B)	151/111	Tillax/Til	15/111	Weight,kg	
2P=2,n=3000											
АИР 56 А2	0.18	0.25	2720	65	0.8	0.53	5.3	2.2	2.2	4.9	
АИР 56 В2	0.25	0.37	2720	68	0.81	0.69	5.3	2.2	2.2	5.2	
АИР 63 А2	0.37	0.5	2740	70	0.81	0.99	5.8	2.2	2.2	6	
АИР 63 В 2	0.55	0.75	2740	73	0.82	1.4	5.8	2.3	2.2	6.5	
АИР 71 А2	0.75	1	2840	75.1	0.83	1.83	6.1	2.3	2.2	11	
АИР 71 В2	1.1	1.5	2840	77	0.84	2.58	6.7	2.3	2.2	12.5	
АИР 80 А2	1.5	2	2840	78	0.84	3.48	6.7	2.3	2.2	15.5	
АИР 80 В2	2.2	3	2840	81	0.85	4.85	7	2.3	2.2	19.5	
АИР 90 L2	3	4	2830	83	0.86	6.39	7	2.3	2.2	23	
АИР 100 S2	4	5.5	2880	85	0.88	8.12	7.5	2.3	2.2	32	
АИР 100 L2	5.5	7.5	2880	86	0.88	11	7 . 5	2 . 3	2.2	36	
АИР 112 М2	7.5	10	2885	88	0.87	14.9	7	2.3	2.2	50	
АИР 132 М2	11	15	2920	88	0.86	22.1	7.5	2.3	2.2	89	
АИР 160 S2	15	20	2930	89.5	0.89	28 . 6	7.5	2.3	2.2	120	
АИР 160 М2	18.5	25	2935	90	0.9	34.7	7 . 5	2.3	2.2	140	
АИР 180 S2	22	30	2945	90.5	0.9	41	7.5	2 . 3	2	170	
АИР 180 М2	30	40	2945	90.5	0.9	56	7.5	2.3	2	203	
АИР 200 M2	37	50	2950	92.5	0.88	69.1	7	2.3	2	248	
АИР 200 L2	45	60	2955	92.5	0.88	84	7	2 . 3	2	255	
АИР 225 М2	55	75	2960	93	0.9	99.8	7.5	2.3	2.2	328	
АИР 250 S2	75	100	2970	93	0.89	138	7	2.4	2	480	
AИР 250 M2	90	125	2970	93	0.9	163	7	2.4	2	525	
АИР 280S2	110	150	2980	93.5	0.89	201	7	2.2	2	610	
АИР 280М2	132	180	2980	94	0.89	240	7	2.2	1.8	695	
АИР 315S2	160	220	2975	94.8	0.92	279	7.1	2.2	1.8	1055	
A И Р 315M2	200	270	2975	95	0.92	348	7.1	2.2	1.8	1110	
АИР 355S2	250	340	2980	95.4	0.92	433	7.1	2.2	1.8	1900	
A И Р 355M2	315	430	2980	95.5	0.92	545	7.1	2.2	1.8	2300	
2P=4,n=1500											
АИР 56 А4	0.12	0.17	1310	57	0.72	0.44	4.6	2.2	2.1	4.9	
АИР 56 В4	0.18	0.25	1310	60	0.73	0.62	5	2.2	2.1	5.2	
АИР 63 А4	0.25	0.37	1330	65	0.74	0.79	5.2	2.2	2.1	6.1	
АИР 63 В4	0.37	0.5	1380	67	0.75	1.12	5 . 2	2 <u>.</u> 2	2.1	6.4	





	Rated Power		Rated Power	Eff	Power	In,A				
Model	KW	HP	RPM	(%)	Factor	(U=380B)	lst/in	Tmax/Tn	Ts/Tn	Weight,kg
АИР 71 А4	0.55	0.75	1390	71.1	0.75	1.57	5.7	2.3	2.2	11
АИР 71 В4 АИР 80 А4	0.75 1.1	1 1.5	1390 1390	62 76	0.76 0.77	2.42 2.86	5.7 6.2	2.3 2.3	2.2 2.3	13 16
АИР 80 B4 АИР 90 L4	1.5 2.2	2 <u>.</u> 2	1390 1410	78 80	0.79 0.82	3.7 5.1	6 . 5	2.3 2.3	2.3 2.3	19 . 5 25
АИР 100 S4	3	4	1430	82	0.82	6.78	7	2.3	2.2	35
АИР 100 L4 АИР 112 M4	4 5 . 5	5.5 7.5	1430 1435	84 86	0.82 0.82	8.82 11.8	7 7	2.3 2.3	2.2 2.3	37 55
АИР 132 S4 АИР 132 M4	7 . 5 11	10 15	1455 1455	87 88	0.83 0.83	15.8 22.9	7 7	2.3 2.3	2.3 2.2	79 90
АИР 160 S4	15	20	1460	89.5	0.85	30	7 . 5	2.3	2.2	125
АИР 160 M4 АИР 180 S4	18 . 5 22	25 30	1460 1465	90 91	0.86 0.85	36.3 43.2	7 . 5 7 . 2	2.3 2.3	2.2 2.2	142 177
АИР 180 M4 АИР 200 M4	30 37	40 50	1465 1475	91 92 . 5	0.85 0.86	58.9 70.7	7 . 5 7	2.3 2.3	2.2	190 247
АИР 200 L4	45	60	1475	92.5	0.87	85	7	2.3	2.2 2.2	260
АИР 225 M4 АИР 250 S4	55 75	75 100	1475 1470	93 93 . 5	0.86 0.85	104 143	7 . 2 7 . 2	2.3 2.3	2.2 2.2	330 485
АИР 250 M4 АИР 280S4	90 110	125 150	1470 1480	94 94	0.87 0.88	167 202	7 . 2 7	2.3 2.1	2 <u>.</u> 2 2	530 615
АИР 280М4	132	180	1480	94	0.88	242	7	2.1	2	700
АИР 315S4 АИР 315M4	160 200	220 270	1480 1480	95 95	0.89 0.89	288 359	6.9 6.9	2.2 2.2	2.1 2.1	1055 1128
АИР 355М4	250 315	340 430	1480 1480	95.3 95.3	0.9 0.9	443 558	6.9 6.9	2.2 2.2	2.1 2.1	1700 1900
АИР 355S4						2P=6,n=1000				
АИР 63 А6 АИР 63 В6	0.18 0.25	0.25 0.37	850 850	56 59	0.66 0.68	0.74 0.95	4 . 2	2	1.9 1.9	6 6 . 3
АИР 71 А6	0.37	0.5	885	65.1	0.7	1.23	4.7	2	1.9	12.2
АИР 71 В6 АИР 80 МА6	0.55 0.75	0 . 75 1	885 910	51 69	0.72 0.72	2 . 28 2 . 29	4.7 5.5	2 2.1	1 . 9 2	12 . 5 16
АИР 80 МВ6 АИР 90 L6	1.1 1.5	1.5 2	910 910	72 77	0.73 0.75	3.18 3.95	5.5 6.5	2.1 2.1	2	20 25
АИР 100 L6	2.2	3 4	940	80	0.76	5.5	6.5	2.1	2	38
АИР 112 MA6 АИР 112 MB6	3 4	5.5	955 960	83 83	0.77 0.76	7.13 9.63	6 6	2.3 2.3	2.1 2.1	51 53
АИР 132 S6 АИР 132 M6	5.5 7.5	7 . 5	960 960	84 84.5	0.76 0.78	13.1 17.3	6.5 6.5	2.1 2	2.1 2	80 91
АИР 160 S6	11	15	965	87.5	0.78	24.5	7	2.1	2	126
АИР 160 M6 АИР 180 M6	15 18 . 5	20 25	965 980	89 89	0.81 0.81	31 . 6 39	7 7	2.1 2.1	2 2 . 1	148 200
АИР 200 M6 АИР 200 L6	22 30	30 40	980 980	90 90	0.83 0.82	44.7 61.8	6 7	2.3 2.3	2 2 . 2	240 250
A И Р 225 M6	37	50	980	91	0.84	73.5	7	2	2.1	330
АИР 250 S6 АИР 250 M6	45 55	60 75	985 985	92 . 5 92 . 5	0.82 0.82	90 . 1 110	7 7	2.1 2.1	2 2	485 530
АИР 280S6 АИР 280M6	75 90	100 125	985 985	92 . 5 93	0.82 0.83	150 177	7 7	2	2 2	610 700
АИР 315S6	110	150	985	94.1	0.86	207	6.7	2	2	1045
АИР 315M6 АИР 355S6	132 160	180 220	985 990	94.3 94.6	0.87 0.88	244 292	6.7 6.7	2 2	2 1 . 9	1100 1550
АИР 355M6 АИР 355L6	200 250	270 340	990 990	94.6 94.6	0.88 0.88	365 456	6.7 6.7	2 2	1.9 1.9	1600 1700
	0.25	0.37	645	54		1.1 5	4	1 . 9	1.8	10.5
АИР 71 В8 АИР 80МА8	0.37	0.5	670	62	0.61	1.49	4.3	1.9	1 . 8	17
АИР 80МВ8 АИР 90 LA8	0.55 0.75	0.75 1	670 685	63 72	0.61 0.68	2.17 2.33	4	2	1.8 1.8	19 25
АИР 90 LB8 АИР 100 L8	1.1 1.5	1 . 5	690 700	72 75	0.68 0.7	3.41 4.34	4 5	2 2	1.8 1.8	28 39
АИР 112 МА8	2.2	3	700	78	0.71	6.04	4	2	1.8	47
АИР 112 MB8 АИР 132 S8	3 4	4 5 . 5	700 720	79 82	0.71 0.7	8.13 10.6	4 6	2 2	1 . 8 2	53 81
АИР 132 M8 АИР 160 S8	5 . 5 7 . 5	7 . 5 10	720 720	83 85.5	0.72 0.75	14 17 . 8	6 6	2 2	2 2	92 138
АИР 160 М8	11	15	720	86.5	0.76	25.4	5.5	2	2	150
АИР 180 M8 АИР 200 M8	15 18 . 5	20 25	725 730	87 89	0.76 0.76	34.5 41.6	6.5 6.6	2 2	2 1.8	205 248
АИР 200 L8	22 30	30 40	730 730	89 91	0.76 0.77	49.4 65	6.6 6.6	2.3	2 1.9	262 335
АИР 225 M8 АИР 250 S8	37	50	735	91	0.75	82.4	6.5	2	1 . 8	490
АИР 250 M8 АИР 280S8	45 55	60 75	735 740	92 92	0.75 0.75	99 . 1 121	7 6.6	2	1.9 1.8	535 615
АИР 280М8	75	100	740	92.5 93.8	0.8 0.82	154	6.6	2 2	1 . 8	695
АИР 315S8 АИР 315M8	90 110	125 150	735 735	94	0.82	178 217	6.6 6.4	2	1.8 1.8	1055 1118
АИР 355S8 АИР 355M8	132 160	180 220	740 740	93.7 94.2	0.82 0.82	261 315	6.4 6.4	2 2	1.8 1.8	2000 2150
АИР 355МВ8	200	270	740	94.5	0.83	387	6.4	2	1.8	2250
АИР 315S10	55	75	590	92	0.75	0,n=600 121	6.2	2	1.5	928
АИР 315M10 АИР 355S10	75 90	100 125	590 590	92 . 5 93	0.76 0.77	162 191	6.2 6.2	2 2	1.5 1.5	1080 1200
АИР 355МА10	110 132	150 180	590 590	93.2	0.78 0.78	230	6	2 2	1.3	1800 2500
АИР 355MB10 АИР 355M10	160	220	590 590	93 . 5 93 . 5	0.78	275 333	6	2	1.3 1.3	2500