

AR SERIES  
SLIP RING MOTOR

## AR SERIES SLIP RING MOTOR



### General Description

AR series(IP55) motor is closed wound rotor three-phase asynchronous motor, is the new generation product with updatest design in China. The power class and mounting size of this series motor is applied to the international standard IEC72.

The motor can gain good start performance (When smaller start current, bigger start torque) and small range speed control through rotor loop external connection to resistance. It's widely used when required bigger start torque than squirrel-cage rotor motor; or when electric fence capacity not enough to start squirrel-cage rotor motor, frequent start, start time longer or connected electrical shaft as synchronous transmission. For example, metal cutting machine, crusher, globe mill, compressor, sugar mill, windlass, drive belt and other required heavy-load start and short-time overload mechanical equipments. The motor has advantages as high efficiency, overload capacity, low noise, small vibration, reliable structure, beautiful shape and so on, especially fit for separate or assorted exportation, or assorted with import equipment, has become our main export product.

### Electric Specification

- 1). Rated voltage 380V, rated frequency 50HZ. Can be made into 415V,420V,440V,660V and 60HZ according to customers' requirements.
- 2). Stator is  $\Delta$  connection(3KW is Y connection), rotor is Y connection.
- 3). Motor apply F Class insulation (winding exotherm examined by B Class); cooling method as IC411; Keep-on working system(S1).
- 4). Motor shelled protection class as IP54. Among,H400~450 collecting ring protection class IP23.Stator and rotor has its separate top offtrack junction box, making motor's connection safer, more reliable and convenient. If need to make with other offtrack pls advise when order.

### Nomenclature

**AR 355 M - 2 8**



## AR SERIES SLIP RING MOTOR Selection Parameters

### Technical data(4Pole)

Frame	Power	Current	speed	Efficiency	Power factor	Max torque	Rotor		Noise	Vibration	Rotating inertia	Weight
	kW	A	r/min	%	cosφ	Rated torque	Voltage (V)	Current (A)	Db (A)	mm/s	kg • m <sup>2</sup>	kg
AR-132 M1-4	4	9.4	1421	84.5	0.77	3.0	230	11.5	86	1.8	0.15	88
AR-132 M2-4	5.5	12.5	1434	86.0	0.77	3.0	272	13.0	86	1.8	0.17	96
AR-160M-4	7.5	15.8	1444	87.5	0.83	3.0	250	19.5	90	2.8	0.23	108
AR-160L-4	11	22.8	1426	89.5	0.83	3.0	276	25.0	90	2.8	0.27	115
AR-180L-4	15	30.1	1434	89.5	0.85	3.0	278	34.0	94	2.8	0.39	205
AR-200L1-4	18.5	36.7	1439	89.0	0.86	3.0	247	47.5	94	2.8	0.51	277
AR-225 M1-4	22	43.1	1448	90.0	0.86	3.0	293	47.0	94	2.8	0.54	290
AR-225 M2-4	30	57.6	1442	91.0	0.87	3.0	360	51.5	98	2.8	0.93	350
AR-250 M1-4	37	70.6	1448	91.5	0.86	3.0	289	79.0	98	3.5	1.29	480
AR-250 M2-4	45	85.9	1453	91.5	0.87	3.0	340	81.0	100	3.5	1.43	500
AR-280S-4	55	103.8	1457	91.5	0.88	3.0	485	70.0	100	3.5	2.27	620
AR-280M-4	75	140	1485	92.5	0.88	3.0	354	128.0	103	3.5	2.89	720
AR-315S-4	90	162	1485	92.5	0.86	3.0	525	104.0	103	3.5	4.65	1060
AR-315 M1-4	110	201	1485	93.0	0.86	3.0	525	127.0	103	3.5	5.22	1080
AR-315 M2-4	132	240	1485	93.2	0.86	3.0	601	133.0	106	3.5	5.68	1125
AR-315L1-4	160	284	1486	93.2	0.86	3.0	722	134.0	106	3.5	6.47	1131
AR-355 M1-4	160	286	1483	93.3	0.87	3.0	352	277.0	106	3.5	11.54	1650
AR-355 M2-4	185	326	1483	93.5	0.87	3.0	348	294.0	106	3.5	12.58	1723
AR-355L1-4	200	355	1486	94.0	0.87	3.5	422	288.0	106	3.5	13.04	1740
AR-355L2-4	220	389	1486	94.0	0.87	3.5	470	285.0	106	3.5	14.20	1825
AR-355L3-4	250	444	1487	94.0	0.87	3.5	528	287.0	108	3.5	15.13	1900
AR-355L4-4	280	495	1488	94.0	0.87	3.5	604	281.0	108	3.5	16.98	2115
AR-400M1-4	280	521	1488	94.2	0.86	3.5	545	311.0	108	3.5	21.51	2721
AR-400M2-4	315	566	1489	94.2	0.86	3.5	595	320.0	108	3.5	23.54	2823
AR-400M3-4	355	631	1489	94.5	0.87	3.5	674	318.0	108	3.5	26.07	2960
AR-400M4-4	400	716	1489	94.5	0.87	3.5	776	311.0	108	3.5	28.35	3082
AR-400L1-4	450	795	1490	94.8	0.89	2.5	847	320.0	108	3.5	33.01	3295
AR-450M1-4	500	858	1492	95.2	0.89	2.8	722	412.0	108	3.5		
AR-450M2-4	560	962	1493	95.3	0.89	2.8	867	384.0	111	3.5		
AR-450M3-4	630	1076	1493	95.4	0.90	2.8	878	427.0	111	3.5		
AR-450M4-4	710	1219	1494	95.5	0.90	2.8	1085	389.0	111	3.5		
AR-450M5-4	800	1361	1493	95.6	0.90	2.8	1121	424.0	111	3.5		

## AR SERIES SLIP RING MOTOR Selection Parameters

### Technical data(6Pole)

Frame	Power	Current	speed	Efficiency	Power factor	Max torque	Rotor		Noise	Vibration	Rotating inertia	Weight
	kW	A	r/min	%	cosφ	Rated torque	Voltage (V)	Voltage (V)	Db (A)	mm/s	kg · m <sup>2</sup>	kg
AR-132M1-6	3	8	949	80.5	0.69	2.8	206	9.5	82	1.8	0.20	89
AR-132M2-6	4	10.7	949	82.0	0.69	2.8	230	11.0	82	1.8	0.21	97
AR-160M-6	5.5	13.2	940	84.5	0.74	2.8	244	14.5	82	2.8	0.28	145
AR-160L-6	7.5	17.8	947	86.0	0.74	2.8	266	18.0	85	2.8	0.32	153
AR-180L-6	11	23.6	949	87.5	0.81	2.8	310	22.5	85	2.8	0.46	203
AR-200L1-6	15	31.8	955	88.5	0.81	2.8	198	48.0	88	2.8	0.67	280
AR-225M1-6	18.5	38.3	955	88.5	0.83	2.8	187	62.5	88	2.8	0.92	330
AR-225M2-6	22	45	964	89.5	0.83	2.8	224	61.0	88	2.8	1.03	350
AR-250M1-6	30	60.3	966	90.0	0.84	2.8	282	66.0	91	3.5	1.80	480
AR-250M2-6	37	73.9	967	90.5	0.84	2.8	331	69.0	91	3.5	1.95	510
AR-280S-6	45	87.9	969	91.5	0.85	2.8	362	76.0	94	3.5	3.06	620
AR-280M-6	55	106.9	972	92.0	0.85	2.8	423	80.0	94	3.5	3.40	670
AR-315S-6	75	142	989	93.0	0.85	2.8	419	108.0	98	3.5	7.47	930
AR-315M1-6	90	171	991	93.5	0.85	2.8	516	105.0	98	3.5	8.70	1050
AR-315M2-6	110	207	991	93.5	0.85	2.8	611	108.0	98	3.5	9.86	1205
AR-315L1-6	132	246	993	93.5	0.85	2.8	604	131.0	102	3.5	10.80	1414
AR-355M1-6	132	246	988	92.8	0.86	2.5	301	269.0	102	3.5	14.54	1630
AR-355M2-6	160	294	988	93.0	0.86	2.5	331	296.0	102	3.5	15.73	1703
AR-355L1-6	185	341	990	93.3	0.86	2.5	390	290.0	102	3.5	17.52	1825
AR-355L2-6	200	370	990	93.5	0.86	2.8	442	276.0	102	3.5	19.31	1923
AR-355L3-6	220	404	991	93.6	0.86	2.8	474	283.0	102	3.5	20.50	1990
AR-355L4-6	250	459	991	93.8	0.86	3.0	553	273.0	105	3.5	22.89	2110
AR-400M1-6	250	447	991	94.8	0.85	3.0	545	274.0	105	3.5	30.76	2698
AR-400M2-6	280	495	991	94.8	0.86	3.0	578	290.0	105	3.5	32.75	2775
AR-400M3-6	315	557	992	95.0	0.86	3.0	655	287.0	105	3.5	36.07	2889
AR-400M4-6	355	629	992	95.0	0.86	3.0	736	288.0	105	3.5	39.38	3012
AR-400L1-6	400	707	993	95.2	0.86	2.8	870	274.0	105	3.5	46.18	3261
AR-400L2-6	450	788	993	95.2	0.86	2.8	958	280.0	105	3.5	51.49	3429
AR-400L3-6	500	880	993	95.2	0.87	2.8	1064	279.0	105	3.5	51.49	3461
AR-450M1-6	500	879	994	95.3	0.87	2.8	972	306.0	105	3.5		
AR-450M2-6	560	982	994	95.4	0.87	2.8	1080	308.0	108	3.5		
AR-450M3-6	630	1101	994	95.5	0.87	2.8	1216	308.0	108	3.5		
AR-450M4-6	710	1243	994	95.6	0.87	2.8	1390	303.0	108	3.5		

## AR SERIES SLIP RING MOTOR Selection Parameters

### Technical data(8Pole)

Frame	Power	Current	speed	Efficiency	Power factor	Max torque	Rotor		Noise	Vibration	Rotating inertia	Weight
	kW	A	r/min	%	cosφ	Rated torque	Voltage (V)	Voltage (V)	Db (A)	mm/s	kg · m <sup>2</sup>	Kg
AR-160M-8	4	10.5	703	82.5	0.69	2.4	216	12.0	78	2.8	0.27	140
AR-160L-8	5.5	14.1	705	83.0	0.71	2.4	230	15.5	78	2.8	0.31	155
AR-180L-8	7.5	18.5	692	85.0	0.73	2.4	255	19.0	82	2.8	0.44	195
AR-200L1-8	11	26.6	699	86.0	0.73	2.4	152	46.0	82	2.8	0.66	279
AR-225M1-8	15	34.5	706	88.0	0.75	2.4	169	56.0	86	2.8	1.01	330
AR-225M2-8	18.5	42.1	712	89.0	0.75	2.4	211	54.0	86	2.8	1.17	360
AR-250M1-8	22	48.1	710	89.0	0.78	2.4	210	65.5	86	3.5	1.77	480
AR-250M2-8	30	65.3	713	89.5	0.77	2.4	270	69.0	90	3.5	2.02	510
AR-280S-8	37	79	715	91.0	0.79	2.4	271	81.5	90	3.5	2.97	640
AR-280M-8	45	92.9	725	92.0	0.80	2.4	359	76.0	93	3.5	3.73	720
AR-315S-8	55	113	740	92.2	0.79	2.4	339	98.0	93	3.5	7.47	970
AR-315M1-8	75	150	741	92.5	0.79	2.4	432	105.0	96	3.5	9.06	1010
AR-315M2-8	90	182	742	92.6	0.79	2.4	528	102.0	96	3.5	10.39	1060
AR-315L1-8	110	220	743	92.6	0.79	2.4	635	104.0	96	3.5	10.10	1352
AR-355M1-8	110	221	740	92.0	0.79	2.4	271	250.0	96	3.5	15.01	1485
AR-355M2-8	132	265	741	92.4	0.79	2.5	316	256.0	99	3.5	16.72	1565
AR-355L1-8	160	318	742	92.5	0.79	2.5	379	258.0	99	3.5	19.53	1640
AR-355L2-8	185	368	742	92.6	0.79	2.6	447	253.0	99	3.5	22.34	1703
AR-355L3-8	200	392	743	93.0	0.79	2.6	475	256.0	99	3.5	23.59	1731
AR-355L4-8	220	436	743	93.0	0.79	2.6	543	246.0	99	3.5	26.40	1792
AR-400M1-8	220	428	742	94.2	0.77	2.8	422	313.0	99	3.5	33.92	2785
AR-400M2-8	250	485	743	94.2	0.77	2.8	475	315.0	102	3.5	37.91	2929
AR-400M3-8	280	548	743	94.2	0.77	2.8	542	308.0	102	3.5	41.92	3061

AR-400L1-8	315	623	744	94.5	0.77	2.8	633	297.0	102	3.5	45.24	3194
AR-400L2-8	355	694	744	94.5	0.78	2.8	691	306.0	102	3.5	49.23	3343
AR-400L3-8	400	775	744	94.5	0.78	2.8	760	313.0	102	3.5	53.88	3513
AR-450M1-8	400	776	745	94.6	0.79	2.8	704	337.0	102	3.5		
AR-450M2-8	450	863	745	94.7	0.79	2.8	775	345.0	102	3.5		
AR-450M3-8	500	958	745	94.8	0.79	2.8	861	344.0	102	3.5		
AR-450M4-8	560	1072	745	95.0	0.79	2.8	969	342.0	105	3.5		

## AR SERIES SLIP RING MOTOR Selection Parameters

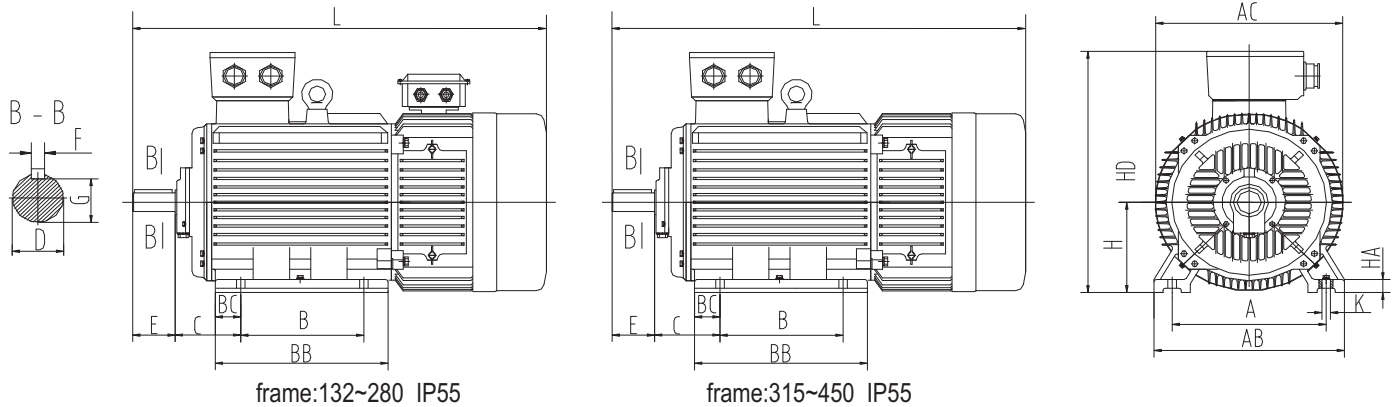
### Technical data(10Pole)

Frame	Power	Current	speed	Efficiency	Power factor	Max torque	Rotor		Noise	Vibration	Rotating inertia	Weight
	kW	A	r/min	%	cosφ	Rated torque	Voltage (V)	Voltage (V)	Db (A)	mm/s	kg·m <sup>2</sup>	Kg
AR-315S-10	45	97	593	92.0	0.73	2.4	334	91.0	93	3.5	6.42	1025
AR-315M1-10	55	119	593	92.3	0.73	2.4	409	91.0	93	3.5	7.13	1086
AR-315M2-10	75	137	594	92.5	0.73	2.4	566	79.0	96	3.5	9.09	1222
AR-315L1-10	90	193	594	92.5	0.73	2.4	672	80.0	96	3.5	9.98	1304
AR-355M1-10	90	192	592	92.5	0.73	2.5	248	221.0	96	3.5	15.22	1389
AR-355M2-10	110	235	593	92.6	0.73	2.5	306	217.0	96	3.5	18.03	1545
AR-355L1-10	132	282	593	92.8	0.73	2.6	372	214.0	99	3.5	21.15	1711
AR-355L2-10	160	339	594	93.0	0.73	2.6	434	222.0	99	3.5	23.96	1873
AR-400M1-10	185	382	594	93.5	0.75	2.8	401	276.0	99	3.5	38.58	2829
AR-400M2-10	200	412	594	93.5	0.75	2.8	435	275.0	99	3.5	41.56	2924
AR-400M3-10	220	450	594	93.5	0.75	2.8	474	277.0	99	3.5	45.28	3044
AR-400L1-10	250	513	595	94.0	0.75	2.8	547	273.0	102	3.5	51.24	3230
AR-400L2-10	280	573	595	94.0	0.75	2.8	608	275.0	102	3.5	56.44	3402
AR-400L3-10	315	647	595	94.0	0.75	2.8	684	274.0	102	3.5	62.40	3594
AR-450 1-10	355	712	596	94.5	0.76	2.6	670	314.0	102	3.5		
AR-450 2-10	400	796	596	94.6	0.77	2.6	766	310.0	102	3.5		
AR-450 3-10	450	882	596	94.7	0.77	2.6	803	333.0	102	3.5		
AR-450 4-10	500	500	596	94.8	0.78	2.6	894	332.0	102	3.5		
AR-400M1-12	132	284	494	93.2	0.72	2.5	407	193.0	99	3.5	35.95	2716
AR-400M2-12	160	345	494	93.2	0.72	2.5	498	191.0	99	3.5	42.65	2917
AR-400M3-12	185	396	495	93.5	0.72	2.5	561	196.0	99	3.5	47.11	3055
AR-400L1-12	200	414	494	93.5	0.73	2.5	587	203.0	99	3.5	51.58	3201
AR-400L2-12	220	467	495	93.5	0.73	2.5	670	195.0	99	3.5	56.05	3340
AR-400L3-12	250	528	495	93.5	0.73	2.5	749	198.0	102	3.5	62.00	3533
AR-450M1-12	250	519	496	93.6	0.74	2.0	594	249.0	102	3.5		
AR-450M2-12	280	582	496	93.7	0.74	2.0	679	244.0	102	3.5		

AR-450M3-12	315	653	496	93.8	0.74	2.2	794	235.0	102	3.5		
AR-450M4-12	355	738	496	94.0	0.74	2.2	912	230.0	102	3.5		
AR-450M5-12	400	819	496	94.2	0.75	2.1	953	248.0	102	3.5		

# AR SERIES SLIP RING MOTOR

## Outline Dimension



Frame	Moun ting (mm )									Outline Dimension (mm )						
	A	B	C	D	E	F	G	H	K	AA	AB	AC	HA	HD	BB	L
	basic size	basic size	basic size	basic size	basic size	basic size	basic size	basic size	basic size	55	270	275	18	360	224	745
132M	216	178	89	38	80	10	33	132	12	65	320	330	20	428	260	820
160M	254	210	108	42	110	12	37	160	15						304	865
160L		254								279	121	48	70	355	380	22
180L	279	279	121	48		14	42.5	180	70				395	420	25	530
200L	318	305	133	55		16	49	200	75	435	470	28	585	400	1100	
225M	356	311	149	60	140	18	53	225	19	80	490	510	30	640	450	1250
250M	406	349	168	65			58	250		85	550	580	40	680	540	1300
280S	457	368	190	75	170	20	67.5	280	24	120	635	645	45	845	680	1350
280M		419														508
315S	508	406	254	95		25	86	355	35	120	806	856	45	1080	1090	
315M		457														280
315L	508	610	630	120	32	109	450	42	190	990	960	40	1380	BB	1790	
355M	610														560	280
355L		630	800	1000	130	32	119	450	42	190	990	960	40	1380	BB	
355M	686	710														280
450L			800	1000	280	130	32	119	450	42	190	990	960	40	1380	
450M	800	1000														280

IP44 frame280~355

Item	Rated Power	Rated Current	Rated Speed	EFF%	PF	Max T	Rotor		Noise		vibration		Weight
						Rated T	Volts	Current	1	2	1	2	
	kW	A	r/min	%	COSΦ		V	A	dB(A)		mm/s		kg
Syn speed 1500r/min													
AR280S-4	55	104	1480	91.5	0.88	3.0	485	70	95	100	2.8	4.5	700
AR280M-4	75	140	1480	92.5	0.88	3.0	354	128	98	103	2.8	4.5	830
AR315S-4	90	171	1480	92.5	0.87	3.0	410	134	98	103	2.8	4.5	1092
AR315M-4	110	204	1480	93.0	0.88	3.0	472	141	98	103	2.8	4.5	1228
AR315L-4	132	244	1480	93.5	0.88	3.0	517	155	101	106	2.8	4.5	1440
AR355M1-4	160	297	1485	93.0	0.88	3.0	301	325	106		2.8	4.5	1890
AR355M3-4	200	369	1485	93.5	0.88	3.0	351	347	106		2.8	4.5	2000
AR355L2-4	220	406	1485	93.5	0.88	3.0	410	326	106		2.8	4.5	2145
AR355L3-4	250	462	1485	93.5	0.88	3.0	422	360	108		2.8	4.5	2185
Syn speed 1000r/min													
AR280S-6	45	87.9	985	91.5	0.85	2.8	362	76	89	94	2.8	4.5	710
AR280M-6	55	107	985	92.0	0.85	2.8	423	80	89	94	2.8	4.5	760
AR315S-6	75	144	985	93.0	0.85	2.8	404	113	93	98	2.8	4.5	1030
AR315M-6	90	172	985	93.5	0.85	2.8	460	120	93	98	2.8	4.5	1145
AR315L-6	110	210	985	93.5	0.85	2.8	505	132	93	98	2.8	4.5	1375
AR355M1-6	132	254	985	93.0	0.85	2.8	407	198	102		2.8	4.5	1790
AR355M2-6	160	306	985	93.0	0.85	2.8	465	209	103		2.8	4.5	1865
AR355M4-6	185	351	985	93.0	0.86	2.8	489	230	104		2.8	4.5	1925
AR355L1-6	200	378	985	93.5	0.86	2.8	528	229	105		2.8	4.5	1980
AR355L3-6	220	416	985	93.5	0.86	2.8	594	224	106		2.8	4.5	2065
Syn speed 750r/min													
AR280S-8	37	78.2	735	91	0.79	2.4	281	81.5	85	90	2.8	4.5	710
AR280M-8	45	92.9	735	92	0.8	2.4	359	76	88	93	2.8	4.5	830
AR315S-8	55	115	735	92	0.79	2.4	387	87	88	93	2.8	4.5	1050
AR315M-8	75	152	735	92.5	0.81	2.4	472	97	91	96	2.8	4.5	1188
AR315L-8	90	182	735	93	0.81	2.4	500	109	91	96	2.8	4.5	1375
AR355M2-8	110	229	740	92.5	0.79	2.4	343	194	99		2.8	4.5	1875
AR355M4-8	132	274	740	92.8	0.79	2.4	385	207	100		2.8	4.5	1930
AR355L3-8	160	322	740	93.3	0.81	2.4	441	219	101		2.8	4.5	2040
AR355L4-8	185	372	740	93.3	0.81	2.4	491	227	102		2.8	4.5	2105



IP44 frame280~355 Outline dimension

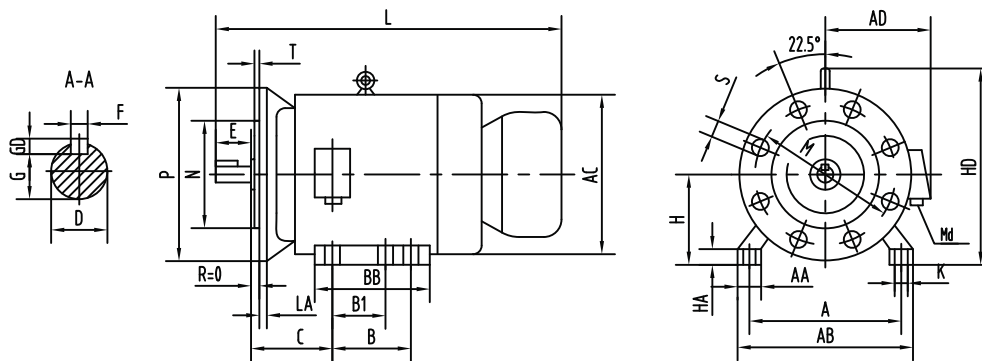


图2 机座带底脚、端盖上有凸缘的电动机(B35)

机座号	凸缘号	安装尺寸 (mm)													外形尺寸 (mm)												
		H	A	B	B1	C	D	E	F	G	GD	K	M	N	P	S	T	AA	AB	BB	AC	AD	HA	HD	LA	L	Md
280S	FF550	280 <sup>0</sup> <sub>-10</sub>	457	368	-	190	$\phi 75^{+0.030}$ <sub>-0.011</sub>	14.0	20	67.5	12	4X $\phi 24$	500	450±0.020	550	8X $\phi 19$	5	90	550	$\frac{525}{576}$	555	410	38	640	22	$\frac{1355}{1405}$	M64X2
280M		419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
315S	FF600	315 <sup>0</sup> <sub>-10</sub>	508	406	-	216	$\phi 80^{+0.030}$ <sub>-0.011</sub>	17.0	22	71	14	4X $\phi 28$	600	550±0.022	660	8X $\phi 24$	6	125	640	$\frac{615}{665}$	645	550	48	770	22	$\frac{1550}{1600}$	2XM63X1.5
315M		457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
315L		508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
355M	FF740	355 <sup>0</sup> <sub>-10</sub>	610	630	560	254	$\phi 95^{+0.035}$ <sub>-0.013</sub>	17.0	25	86	14	6X $\phi 28$	740	680±0.022	800	8X $\phi 24$	6	130	740	$\frac{850}{850}$	750	680	45	860	22	$\frac{2100}{2100}$	3XM64X2
355L		630	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

IP44 frame280~355 Outline dimension

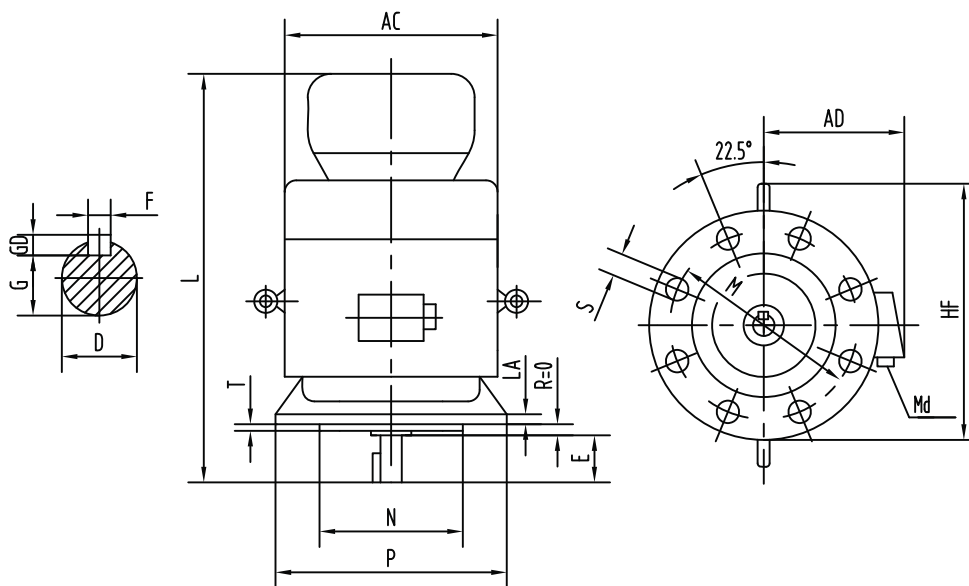


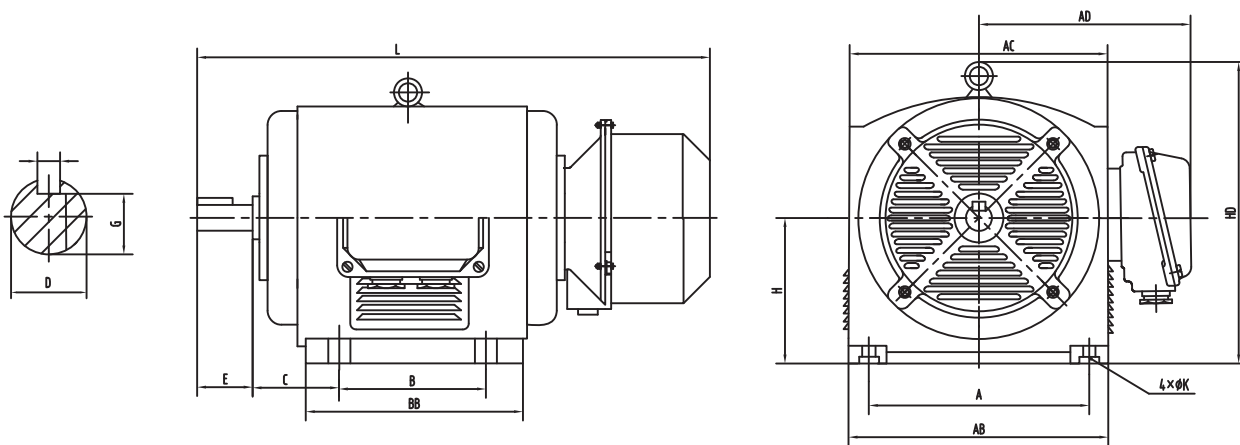
图3 机座不带底脚、端盖上有凸缘的电动机(V1)

机座号	凸缘号	安装尺寸 (mm)										外形尺寸 (mm)						
		D	E	F	G	GD	M	N	P	S	T	AC	AD	HF	LA	L	Md	
280S	FF500	$\phi 75^{+0.030}$ <sub>-0.011</sub>	14.0	20	67.5	12	500	450±0.020	550	8X $\phi 19$	5	555	410	720	22	$\frac{1355}{1405}$	M64X2	
280M		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
315S	FF600	$\phi 80^{+0.030}$ <sub>-0.011</sub>	17.0	22	71	14	600	550±0.022	660	8X $\phi 24$	6	645	550	900	22	$\frac{1550}{1600}$	2XM64X2	
315M		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
315L		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		$\frac{1650}{1650}$
355M	FF740	$\phi 95^{+0.035}$ <sub>-0.013</sub>	17.0	25	86	14	740	680±0.022	800	8X $\phi 24$	6	750	680	1035	22	$\frac{2100}{2100}$	3XM64X2	
355L		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-

IP23 frame280~355

Item	Rated Power	Rated Current	Rated Speed	EFF%	PF	Max T	Rotor		Noise	vibration	
	kW	A	r/min	%	COSΦ	Rated T	Volts	Current		1	2
							倍	V	A	dB(A)	
Syn speed 1500r/min											
AR280S-4	110	201	1460	91.5	0.89	3	349	196	100	2.8	4.5
AR280M-4	132	239	1460	92.5	0.89	3	419	194	100	2.8	4.5
AR315S-4	160	302	1470	92.5	0.87	1.8	415	241	103	2.8	4.5
AR315M1-4	185	348	1470	92.8	0.87	1.8	521	219	103	2.8	4.5
AR315M2-4	200	374	1470	93.3	0.87	1.8	521	237	103	2.8	4.5
AR315M3-4	220	412	1470	93.3	0.87	1.8	596	226	103	2.8	4.5
AR315M4-4	250	467	1470	93.5	0.87	1.8	596	258	106	2.8	4.5
AR355M2-4	280	510	1480	93.8	0.89	1.8	383	443	106	2.8	4.5
AR355M3-4	315	572	1480	94.0	0.89	1.8	395	487	106	2.8	4.5
AR355L1-4	355	643	1480	94.3	0.89	1.8	461	468	106	2.8	4.5
Syn speed 1000r/min											
AR280S-6	75	142	970	90.5	0.88	2.5	392	121	94	2.8	4.5
AR280M-6	90	167	970	91	0.89	2.5	481	118	94	2.8	4.5
AR315S-6	110	210	980	92.5	0.86	1.8	359	190	97	2.8	4.5
AR315M1-6	132	251	980	92.8	0.86	1.8	411	199	100	2.8	4.5
YR315M2-6	160	303	980	93.3	0.86	1.8	479	205	100	2.8	4.5
YR355M1-6	185	350	980	93.3	0.86	1.8	224	512	100	2.8	4.5
YR355M2-6	200	378	980	93.5	0.86	1.8	243	512	100	2.8	4.5
AR355M3-6	220	411	980	93.5	0.87	1.8	265	515	100	2.8	4.5
AR355M4-6	250	465	980	93.8	0.87	1.8	292	530	103	2.8	4.5
AR355L1-6	280	521	980	93.8	0.87	1.8	321	541	103	2.8	4.5
Syn speed 750r/min											
AR280S-8	55	114	725	89	0.82	2.2	279	125	90	2.8	4.5
AR280M-8	75	152	725	90	0.82	2.2	359	131	93	2.8	4.5
AR315S-8	90	188	730	92.0	0.79	1.8	160	201	93	2.8	4.5
AR315M1-8	110	229	730	92.5	0.79	1.8	192	203	93	2.8	4.5
AR315M2-8	132	274	730	92.8	0.79	1.8	213	220	97	2.8	4.5
AR355M2-8	160	322	730	93.3	0.81	1.8	325	299	97	2.8	4.5
AR355M3-8	185	372	740	93.3	0.81	1.8	365	307	97	2.8	4.5
AR355M4-8	200	402	730	93.3	0.81	1.8	383	317	97	2.8	4.5
AR355L1-8	220	441	740	93.5	0.81	1.8	418	320	97	2.8	4.5
AR355L2-8	250	508	740	93.5	0.80	1.8	486	309	99	2.8	4.5
Syn speed 600r/min											
AR315S-10	55	125	580	90.0	0.74	1.8	242	141	93	2.8	4.5
AR315M1-10	75	169	580	91.0	0.74	1.8	316	145	93	2.8	4.5
AR315M2-10	90	199	580	91.5	0.75	1.8	343	161	93	2.8	4.5
AR355M2-10	110	233	590	92.0	0.78	1.8	235	285	93	2.8	4.5
AR355M3-10	132	275	590	92.3	0.79	1.8	259	311	97	2.8	4.5
AR355L1-10	160	333	590	92.3	0.79	1.8	288	340	97	2.8	4.5
AR355L2-10	185	385	590	92.5	0.79	1.8	324	349	97	2.8	4.5
Syn speed 500r/min											
AR355M4-12	90	203	490	91	0.74	1.8	207	266	93	2.8	4.5
AR355L1-12	110	244	490	91.3	0.75	1.8	230	293	93	2.8	4.5
AR355L2-12	132	292	490	91.5	0.75	1.8	259	313	97	2.8	4.5

IP23 frame280~355 Outline dimension



机座号	安装尺寸及公差															外形尺寸 (限值)							
	极数	A	B	C	D		E		F		G		H		K			AB	AC	AD	HD	L	BB
		基本尺寸	基本尺寸	基本尺寸	极限偏差	基本尺寸	极限偏差	基本尺寸	极限偏差	基本尺寸	极限偏差	基本尺寸	极限偏差	基本尺寸	极限偏差	基本尺寸	极限偏差						
280S	4-8	457	368	190	80	+0.030	170	±0.50	22	0	71	0	280	0	24	+0.52	Φ2.0	570	610	485	785	1430	530
280M		419	+0.011			-0.052				-0.20		-0.1		0		Φ2.0	1480					581	
315S	4-10	508	406	216	90	+0.035	170	±0.51	25	0	81	0	315	0	28	+0.52	Φ2.0	680	792	586	928	1710	602
315M		457	+0.013			-0.052				-0.20		-0.1		0		Φ2.0	1820					712	
355M	4-12	610	560	254	100	+0.035	210	±0.57	28	0	90	0	355	0	28	+0.52	Φ2.0	740	980	630	1120	2170	866
355L		630	+0.011			-0.052				-0.20		-0.1		0		Φ2.0	2240						

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