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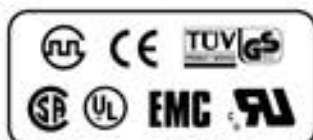
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**MOTOR
ALTERNATOR**



ISO9001



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MS SERIES THREE-PHASE ASYNCHRONOUS MOTOR ALUMINUM HOUSING

MOTOR FEATURES

- Utilise IP54 enclosures, IP55 on request
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- High performance and efficiency

OPERATING CONDITIONS

- Ambient temperature: $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$, Altitude: not exceed 1000m
 - Rated voltage: 380V, any voltage between 220V-760V
 - Rated frequency: 50Hz or 60Hz
 - Cooling method: IC0141
 - Connection: Star-connection for up to 3KW, delta-connection for 4KW and above.
 - Shaft: Close keyway
 - Bearing: SKF, NSK or NTN
- Remark: Motors can be equipped with PTC Fixed foot (terminal box on top), extrude frame removable foot (terminal box on top) or die casting frame direction changed removable foot (terminal box on top, right side or left side) are available.



TECHNICAL DATA (EFF2)

Model	Power (kW)	Voltage (V)	Current (A)	Speed (r/min)	Eff. (%)	Power factor	Locked rotor torque Rated torque	Locked rotor current Rated current	Max torque Rated torque
Synchronous Speed 3000r/min(2p)50Hz									
MS-802-2	1.1	220/380	4.24/2.45	2825	≥ 76.2	0.84	2.2	7.0	2.2
MS-905-2	1.5	220/380	5.76/3.68	2840	≥ 78.5	0.85	2.2	7.0	2.2
MS-90L-2	2.2	220/380	8.26/4.85	2840	≥ 81.0	0.85	2.2	7.0	2.2
MS-100L-2	3.0	220/380	10.6/6.23	2880	≥ 82.6	0.87	2.2	7.0	2.2
MS-112M-2	4.0	380/660	7.8/4.5	2890	≥ 84.2	0.90	2.2	8.0	2.2
MS-132S1-2	5.5	380/660	10.5/6.1	2900	≥ 85.7	0.90	2.2	8.0	2.2
MS-132S2-2	7.5	380/660	14.4/8.4	2900	≥ 87.0	0.90	2.2	8.0	2.2
MS-160M1-2	11.0	380/660	19.6/11.5	2930	≥ 88.4	0.90	2.2	8.0	2.2
MS-160M2-2	15.0	380/660	26.5/15.6	2930	≥ 89.4	0.90	2.2	8.0	2.2
MS-160L-2	18.5	380/660	32.7/19.2	2930	≥ 90.0	0.90	2.2	8.0	2.2
MS-180M-2	22.0	380/660	39.1/23.1	2940	≥ 90.5	0.90	2.2	8.0	2.2
Synchronous Speed 1500r/min(4p)50Hz									
MS-90S-4	1.1	220/380	4.55/2.67	1400	≥ 76.2	0.75	2.2	6.0	2.2
MS-90L-4	1.5	220/380	6.05/3.55	1400	≥ 78.5	0.77	2.2	6.0	2.2
MS-100L1-4	2.2	220/380	8.3/4.8	1420	≥ 81.0	0.78	2.2	6.5	2.2
MS-100L2-4	3.0	220/380	11.2/6.5	1420	≥ 82.6	0.78	2.2	6.5	2.2
MS-112M-4	4.0	380/660	8.4/4.9	1440	≥ 84.2	0.81	2.2	7.0	2.2
MS-132S-4	5.5	380/660	11.5/6.7	1440	≥ 85.7	0.82	2.2	7.0	2.2
MS-132M-4	7.5	380/660	14.6/8.6	1440	≥ 87.0	0.82	2.2	7.0	2.2
MS-160M-4	11.0	380/660	20.8/12.2	1460	≥ 88.4	0.83	2.2	7.0	2.2
MS-160L-4	15.0	380/660	28.2/16.6	1460	≥ 89.4	0.85	2.2	7.0	2.2
MS-180M-4	18.5	380/660	33.7/19.8	1470	≥ 90.0	0.85	2.2	7.5	2.2
MS-180L-4	22.0	380/660	40.1/23.5	1470	≥ 90.5	0.85	2.2	7.5	2.2

MC SERIES SINGLE-PHASE CAPACITOR START ASYNCHRONOUS MOTOR ALUMINUM HOUSING

MOTOR FEATURES

- Utilise IP54 enclosures, IP55 on request
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- High performance and efficiency

OPERATING CONDITIONS

- Ambient temperature: $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$
- Altitude: not exceed 1000m
- Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- Rated frequency: 50Hz or 60Hz
- Insulation class: B, F, H
- Cooling method: IC0141
- Duty: S1 (continuous)
- Shaft: Close keyway
- Bearing: SKF, NSK or NTN



TECHNICAL DATA

Model	Power (kW)	Voltage (V)	Current (A)	Speed (r.p.m.)	Eff. (%)	Power factor	Tstart/Tn	Tmax/Tn	Start current (A)	Net weight (kg)
MC711-2	0.18	220	1.89	2800	60	0.72	3.0	1.8	12	6.5
MC712-2	0.25	220	2.40	2800	64	0.74	3.0	1.8	15	6.8
MC801-2	0.37	220	3.36	2800	65	0.77	2.8	1.8	21	8.3
MC802-2	0.55	220	4.65	2800	68	0.79	2.8	1.8	29	9
MC905-2	0.75	220	6.09	2800	70	0.80	2.5	1.8	37	12.5
MC90L-2	1.10	220	8.68	2800	72	0.80	2.5	1.8	60	14
MC100L1-2	1.50	220	11.38	2900	74	0.81	2.5	1.8	80	22.5
MC100L2-2	2.20	220	16.46	2900	75	0.81	2.2	1.8	120	25.5
MC112M-2	3.00	220	21.88	2900	76	0.82	2.2	1.8	150	26
MC711-4	0.12	220	1.88	1400	50	0.58	3.0	1.8	9	6.5
MC712-4	0.18	220	2.49	1400	53	0.62	2.8	1.8	12	6.7
MC801-4	0.25	220	3.11	1400	58	0.63	2.8	1.8	15	8.9
MC802-4	0.37	220	4.24	1400	62	0.64	2.5	1.8	21	9.6
MC905-4	0.55	220	5.49	1400	66	0.69	2.5	1.8	29	12.5
MC90L-4	0.75	220	6.87	1400	68	0.73	2.5	1.8	37	15
MC100L1-4	1.10	220	9.52	1450	71	0.74	2.5	1.8	60	23
MC100L2-4	1.50	220	12.45	1450	73	0.75	2.5	1.8	80	27
MC112M-4	2.20	220	17.78	1450	74	0.76	2.2	1.8	120	35

ML SERIES SINGLE-PHASE DUAL-CAPACITOR ASYNCHRONOUS MOTOR ALUMINUM HOUSING

MOTOR FEATURES

- Utilise IP54 enclosures, IP55 on request
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- High performance and efficiency

OPERATING CONDITIONS

- Ambient temperature: $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$, Altitude: not exceed 1000m
- Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- Rated frequency: 50Hz or 60Hz
- Protection class: IP55
- Insulation class: F, H
- Cooling method: IC411
- Duty: S1 (continuous)
- Shaft: Close keyway
- Bearing: SKF, NSK or NTN



TECHNICAL DATA

Model	Power (kW)	Voltage (V)	Current (A)	Speed (r.p.m.)	Eff. (%)	Power factor	Tstart/Tn	Tmax/Tn	Start current (A)	Net weight (kg)
ML711-2	0.37	220	2.73	2800	67	0.92	2.3	1.8	16	7
ML712-2	0.55	220	3.88	2800	70	0.92	2.5	1.8	21	8
ML801-2	0.75	220	5.15	2800	72	0.92	2.5	1.8	30	8.5
ML802-2	1.10	220	7.02	2800	75	0.95	2.5	1.8	40	9.5
ML905-2	1.50	220	9.44	2800	76	0.95	2.5	1.8	55	12.5
ML90L-2	2.20	220	13.67	2800	77	0.95	2.5	1.8	80	14
ML100L-2	3.00	220	18.2	2800	79	0.95	2.5	1.8	110	20.5
ML711-4	0.25	220	1.99	1400	62	0.92	2.5	1.8	12	6.9
ML712-4	0.37	220	2.81	1400	65	0.92	2.5	1.8	16	8.1
ML801-4	0.55	220	4.0	1400	68	0.92	2.5	1.8	21	8.9
ML802-4	0.75	220	5.22	1400	71	0.92	2.5	1.8	30	9.6
ML905-4	1.10	220	7.2	1400	73	0.95	2.5	1.8	40	13
ML90L-4	1.50	220	9.57	1400	75	0.95	2.5	1.8	55	16
ML100L1-4	2.20	220	13.9	1400	76	0.95	2.5	1.8	80	23
ML100L2-4	3.00	220	18.6	1400	77	0.95	2.5	1.8	110	27

MY SERIES SINGLE-PHASE DUAL-CAPACITOR ASYNCHRONOUS MOTOR ALUMINUM HOUSING

MOTOR FEATURES

- Utilise IP54 enclosures, IP55 on request
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- High performance and efficiency

OPERATING CONDITIONS

- Ambient temperature: $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$, Altitude: not exceed 1000m
- Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- Rated frequency: 50Hz or 60Hz
- Insulation class: B, F, H
- Cooling method: IC0141
- Duty: S1 (continuous)
- Shaft: Close keyway
- Bearing: SKF, NSK or NTN



TECHNICAL DATA

Model	Power (kW)	Voltage (V)	Current (A)	Speed (r.p.m.)	Eff. (%)	Power factor	Tstart/Tn	Tmax/Tn	Start current (A)	Net weight (kg)
MY631-2	0.18	220	1.48	2800	60	0.92	0.4	1.7	5	3.9
MY632-2	0.25	220	1.96	2800	63	0.92	0.4	1.7	7	4.4
MY711-2	0.37	220	2.73	2800	67	0.92	0.35	1.7	10	6.2
MY712-2	0.55	220	3.88	2800	70	0.92	0.35	1.7	15	6.5
MY801-2	0.75	220	5.15	2800	72	0.92	0.33	1.7	20	8.3
MY802-2	1.10	220	7.02	2800	75	0.95	0.33	1.7	30	9
MY905-2	1.50	220	9.44	2800	76	0.95	0.3	1.7	45	13
MY90L-2	2.20	220	13.67	2800	77	0.95	0.3	1.7	65	15
MY631-4	0.12	220	1.10	1400	55	0.90	0.4	1.7	3.5	4
MY632-4	0.18	220	1.62	1400	56	0.90	0.4	1.7	5	4.5
MY711-4	0.25	220	2.02	1400	61	0.92	0.35	1.7	7	6.1
MY712-4	0.37	220	2.95	1400	62	0.92	0.35	1.7	10	7
MY801-4	0.55	220	4.25	1400	64	0.92	0.35	1.7	15	9.5
MY802-4	0.75	220	5.45	1400	68	0.92	0.32	1.7	20	10
MY905-4	1.10	220	7.45	1400	71	0.95	0.32	1.7	30	13
MY90L-4	1.50	220	9.83	1400	73	0.95	0.3	1.7	45	16

Y2/Y SERIES THREE-PHASE ASYNCHRONOUS MOTOR

MOTOR FEATURES

- IP54 enclosures, IP55 available on request
- 380/415 Volt 50/60 Hz windings
- Vacuum varnish impregnation for superior
- Continuous S1 operation
- Heavy duty ball bearings
- Balanced rotors
- Class F insulation, Class H available on request
- High quality magnet wire
- Tropic proof insulation
- Industrial type service factors
- High strength cast iron frame

OPERATING CONDITIONS

- Ambient temperature: 15°C < θ < 40°C Altitude: not exceed 1000m
- Rated voltage: 380V or any voltage between 220V-760V
- Rated frequency: 50Hz, 60Hz
- Protection class: IP54, IP55
- Insulation class: F, H
- Cooling method: IC411
- Duty: S1 (continuous)
- Connection: Star-connection for up to 3kw, delta-connection for 4kw and above
- Remark: Motors can be equipped with PTC, for frame size 160 and above, also can be equipped with re-greasing system. Terminal box on top, right side or left side are available. Key-way can be closed type or opened type. Side or left side are available. Key-way could be close type or open type.



TECHNICAL DATA

Model	Power (kW)	Current at 380V (A)	Speed (r/min)
Synchronous Speed 3000r/min(2 poles)50Hz			
Y2-631-2	0.18	0.52	2825
Y2-632-2	0.25	0.69	2840
Y2-711-2	0.37	0.99	2840
Y2-712-2	0.55	1.4	2880
Y2-801-2	0.75	1.8	2890
Y2-802-2	1.1	2.6	2900
Y2-90S-2	1.5	3.4	2900
Y2-90L-2	2.2	4.8	2930
Y2-100L-2	3.0	6.3	2930
Y2-112M-2	4.0	8.1	2930
Y2-132S1-2	5.5	11	2940
Y2-132S2-2	7.5	15	2950
Y2-160M1-2	11.0	21.3	2950
Y2-160M2-2	15.0	28.7	2970
Y2-160L-2	18.5	34.6	2970
Y2-180M-2	22.0	40.9	2970
Y2-200L1-2	30.0	55.4	2970
Y2-200L2-2	37.0	67.7	2980
Y2-225M-2	45.0	82.3	2980
Y2-250M-2	55	101	2980
Y2-280S-2	75	134	2980
Y2-280M-2	90	160	2980
Y2-315S-2	110	195	2980
Y2-315M-2	132	233	2980
Y2-315L1-2	160	279	2980
Y2-315L2-2	200	348	2980
Y2-355M-2	250	433	2980
Y2-355L-2	315	544	2980

Model	Power (kW)	Current at 380V (A)	Speed (r/min)
Synchronous Speed 1500r/min(4 poles)50Hz			
Y2-631-4	0.12	0.44	1400
Y2-632-4	0.18	0.62	1400
Y2-711-4	0.25	0.79	1400
Y2-712-4	0.37	1.12	1400
Y2-801-4	0.55	1.6	1400
Y2-802-4	0.75	2.0	1400
Y2-90S-4	1.1	2.9	1400
Y2-90L-4	1.5	3.7	1400
Y2-100L1-4	2.2	5.1	1420
Y2-100L2-4	3.0	6.8	1420
Y2-112M-4	4.0	8.8	1440
Y2-132S-4	5.5	11.8	1440
Y2-132M-4	7.5	15.5	1440
Y2-160M-4	11.0	22.3	1460
Y2-160L-4	15.0	30	1460
Y2-180M-4	18.5	36.4	1470
Y2-180L-4	22.0	43.1	1470
Y2-200L-4	30.0	57.4	1470
Y2-225S-4	37.0	69.9	1480
Y2-225M-4	45.0	84.7	1480
Y2-250M-4	55	103	1480
Y2-280S-4	75	140	1480
Y2-280M-4	90	167	1490
Y2-315S-4	110	201	1490
Y2-315M-4	132	240	1490
Y2-315L1-4	160	287	1490
Y2-315L2-4	200	359	1490
Y2-355M-4	250	443	1485
Y2-355L-4	315	556	1485

Model	Power (kW)	Current at 380V (A)	Speed (r/min)
Synchronous Speed 1000r/min(6 poles)50Hz			
Y2-711-6	0.18	0.74	900
Y2-712-6	0.25	0.94	900
Y2-801-6	0.37	1.3	900
Y2-802-6	0.55	1.8	900
Y2-90S-6	0.75	2.3	910
Y2-90L-6	1.1	3.2	910
Y2-100L-6	1.5	3.9	940
Y2-112M-6	2.2	5.6	940
Y2-132S-6	3.0	7.4	960
Y2-132M1-6	4.0	9.7	960
Y2-132M2-6	5.5	12.9	960
Y2-160M-6	7.5	16.5	970
Y2-160L-6	11.0	24.1	970
Y2-180L-6	15.0	31.5	970
Y2-200L1-6	18.5	38.5	970
Y2-200L2-6	22.0	44.6	970
Y2-225M-6	30.0	59.3	980
Y2-250M-6	37.0	71.0	980
Y2-280S-6	45.0	86.0	980
Y2-280M-6	55	105	980
Y2-315S-6	75	141	990
Y2-315M-6	90	169	990
Y2-315L1-6	110	206	990
Y2-315L2-6	132	244	990
Y2-355M1-6	160	292	990
Y2-355M2-6	200	365	990
Y2-355L-6	250	455	990

Model	Power (kW)	Current at 380V (A)	Speed (r/min)
Synchronous Speed 750r/min(8 poles)50Hz			
Y2-801-8	0.18	0.88	680
Y2-802-8	0.25	1.15	680
Y2-90S-8	0.37	1.5	680
Y2-90L-8	0.55	2.2	700
Y2-100L1-8	0.75	2.4	700
Y2-100L2-8	1.1	3.3	700
Y2-112M-8	1.5	4.5	700
Y2-132S-8	2.2	6.0	710
Y2-132M-8	3.0	7.9	710
Y2-160M1-8	4.0	10.2	720
Y2-160M2-8	5.5	13.6	720
Y2-160L-8	7.5	17.7	720
Y2-180L-8	11.0	25.1	730
Y2-200L-8	15.0	34.0	730
Y2-225S-8	18.5	40.6	740
Y2-225M-8	22.0	47.4	740
Y2-250M-8	30.0	64.0	740
Y2-280S-8	37.0	78.0	740
Y2-280M-8	45.0	94.0	740
Y2-315S-8	55	111	740
Y2-315M-8	75	151	740
Y2-315L1-8	90	178	740
Y2-315L2-8	110	217	740
Y2-355M1-8	132	261	740
Y2-355M2-8	160	313	740
Y2-355L-8	200	388	740
Synchronous Speed 600r/min(10 poles)50Hz			
Y2-315S-10	45	100	590
Y2-315M-10	55	121	590
Y2-315L1-10	75	162	590
Y2-315L2-10	90	191	590
Y2-355M1-10	110	230	590
Y2-355M2-10	132	275	590
Y2-355L-10	160	334	590

YB SERIES FLAMEPROOF ELECTRIC MOTORS

YB series flameproof three-phase induction motors have such characteristics as high efficiency, low noise, slight vibration, high lock-rotor torque and reliable operation. The rated voltage of YB series electric motor is 220V, 380V, 660V, 220/380V or 380/660V. The rated frequency of this series electric motor is 50Hz or 60Hz. The power grade and mounting dimensions of this series electric motors are the same as those of Y series electric motors, up to the IEC standard. The degree of protection by enclosure of YB series electric motors is IP44 and cooling form IC0141. Class F insulation is adopted. This series electric motor can operate constantly at environmental temperature of not higher than 40°C. The electric property index of YB series electric motors are the same as that of Y series electric motors.

FEATURE

Frame size of YB series electric motor H80-280mm Power range of YB series electric motor 0.55-90kW Synchronous speed of YB series electric motor: 3000, 1500, 750r/min Explosion protection marking of YB series electric motor: d I, d II, AT4, d II BT4.



YD THREE-PHASE MULTI-SPEED MOTORS

YD series three-phase multi-speed induction motors are one of the derived series of Y2 series induction motors of our national uniform design. It has following features: excellent performance, attractive appearance and good interchangeability for the same kind of products abroad. The protection class is IP54 or 44. The motors are designed in three types: double speed, three speed and four speed. These speed rates can be changed in stages. The motors are widely used on applications in the equipments where the changed rates in stages are needed, such as mechanism, mine, metallurgy, textiles, printing and dyeing, chemical industry, agricultural machinery, etc. They can also simplify or take the place of reduction gearbox in the mechanical drive lines.

FEATURE

- Ambient temperature: -15°C < θ < 40°C Altitude: not exceed 1000m
- Rated voltage: 380V (1 ± 5%) V



YC HEAVY DUTY SERIES SINGLE-PHASE CAPACITOR START ASYNCHRONOUS MOTOR

MOTOR FEATURES

- IP44 enclosures
- Low operating temperature
- Continuous S1 operation
- Industrial type service factors
- Cool running motors

OPERATING CONDITIONS

- Ambient temperature: 15°C < θ < 40°C Altitude: not exceed 1000m
- Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V
- Rated frequency: 50Hz or 60Hz
- Protection class: IP44, IP54
- Insulation class: B, F, H
- Cooling method: IC411
- Duty: S1 (continuous)



TECHNICAL DATA

Model	Rated Output		RPM	Full Load		
	KW	HP		Current 220V (A)	Eff. (%)	Power factor (cosφ)
YC7112	0.18	1/4	2800	1.9	60	0.72
YC7122	0.25	1/3	2800	2.4	64	0.74
YC8012	0.37	1/2	2800	3.4	65	0.77
YC8022	0.55	3/4	2800	4.7	68	0.79
YC90S-2	0.75	1	2800	6.1	70	0.80
YC90L1-2	1.1	1.5	2800	8.7	72	0.80
YC90L2-2	1.5	2	2800	11.4	74	0.81
YC100L2-2	2.2	3	2800	16.5	75	0.81
YC112M-2	3	4	2800	21.9	76	0.82
YC132S-2	3.7	5	2800	26.6	77	0.82
YC7124	0.18	1/4	1400	2.5	53	0.62
YC8014	0.25	1/3	1400	3.1	58	0.63
YC8024	0.37	1/2	1400	4.2	62	0.64
YC90S-4	0.55	3/4	1400	5.5	66	0.69
YC90L1-4	0.75	1	1400	6.9	68	0.73
YC90L2-4	1.1	1.5	1400	9.5	71	0.74
YC100L2-4	1.5	2	1400	12.5	73	0.75
YC112M-4	2.2	3	1400	17.8	74	0.76
YC132S-4	3	4	1400	23.6	75	0.77
YC132M-4	3.7	5	1400	28	76	0.79

JY JY SERIES SINGLE-PHASE CAPACITOR START ASYNCHRONOUS MOTOR

MOTOR FEATURES

- IP44 enclosures
- Low start current
- High quality magnet wire
- Vacuum varnish impregnation for superior tropic proof insulation
- Industrial type service factors
- Balanced rotors
- Class B insulation, Class F available on request
- Low operating temperature
- Vacuum varnish impregnation for superior tropic proof insulation
- Continuous S1 operation
- Heavy duty ball bearings
- Can be made with cast iron or aluminium motor body



TECHNICAL DATA

Frame Size	Model	Output		Speed (r.p.m.)	Power factor	Eff. (%)	Max Torque Rated torque	Starting Torque Rated Torque	weight (kg)
		W	HP						
09	JY09A-2	250	1/3	2800	0.72	63	1.8-2	2-3.5	21.7
	JY09B-2	180	1/4	2800	0.72	60	1.8-2	2-3.5	21.7
	JY09A-4	180	1/4	1400	0.62	56	1.8-2	2-3.5	20
1	JY1A-2	550	3/4	2800	0.72	66	1.8-2	2-3.5	14
	JY1B-2	370	1/2	2800	0.72	66	1.8-2	2-3.5	14
	JY1A-4	370	1/2	1400	0.62	64	1.8-2	2-3.5	13
2	JY1B-4	250	1/3	1400	0.62	60	1.8-2	2-3.5	23
	JY2A-2	1100	1.5	2850	0.77	71	1.8-2	2-3.5	11.5
	JY2B-2	750	1	2850	0.75	70	1.8-2	2-3.5	10.2
	JY2A-4	750	1	1400	0.68	69	1.8-2	2-3.5	10.2
	JY2B-4	550	3/4	1400	0.68	67	1.8-2	2-3.5	16

YL SERIES SINGLE-PHASE DUAL-CAPACITOR ASYNCHRONOUS MOTOR

MOTOR FEATURES

- IP44 enclosures
- 380/415 Volt 50/60 Hz windings
- High quality magnet wire
- tropic proof insulation
- Industrial type service factors
- Balanced rotors
- Class B insulation, Class F available on request
- Low operating temperature
- Vacuum varnish impregnation for superior
- Continuous S1 operation
- Heavy duty ball bearings



TECHNICAL DATA

Model	Power		Voltage (V)	Current (A)	Speed (r.p.m.)	Eff. (%)	Power Factor	Starting Torque Rated Torque	Starting Current (A)	Max Torque Rated torque	weight (kg)
	HP	KW									
YL711-2	1/2	0.37	220	2.73	2800	67	0.92	1.8	16	1.8	8
YL712-2	3/4	0.55	220	3.88	2800	70	0.92	1.8	21	1.8	9
YL801-2	1	0.75	220	5.15	2800	72	0.92	1.8	29	1.8	11
YL802-2	1.5	1.1	220	7.02	2800	75	0.95	1.8	40	1.8	12
YL90S-2	2	1.5	220	9.44	2820	76	0.95	1.7	55	1.8	13
YL90L-2	3	2.2	220	13.7	2820	77	0.95	1.7	80	1.8	17
YL711-4	1/3	0.25	220	1.99	1400	62	0.92	1.8	12	1.8	8
YL712-4	1/2	0.37	220	2.81	1400	65	0.92	1.8	16	1.8	9
YL801-4	3/4	0.55	220	4.0	1400	68	0.92	1.8	21	1.8	11
YL802-4	1	0.75	220	5.22	1400	71	0.92	1.8	29	1.8	12
YL90S-4	1.5	1.1	220	7.21	1420	73	0.95	1.7	40	1.8	13
YL90L-4	2	1.5	220	9.57	1420	75	0.95	1.7	55	1.8	17
YL100L1-4	3	2.2	220	13.9	1420	76	0.95	1.7	80	1.8	26
YL100L2-4	4	3	220	18.6	1420	77	0.95	1.7	110	1.8	28
YL112M-4	3	2.2	220	13.9	1440	76	0.95	1.7	80	1.8	31
YL112M1-4	4	3	220	18.6	1440	77	0.95	1.7	110	1.8	34
YL112M2-4	5	3.7	220	23	1440	78	0.95	1.7	138	1.8	38
YL132SA-4	4	3	220	18.6	1440	77	0.95	1.7	110	1.8	55
YL132SB-4	5	3.7	220	23	1440	78	0.95	1.7	138	1.8	60

TS SERIES SINGLE-PHASE DOUBLE SPEED ASYNCHRONOUS MOTOR

TS series single-phase double speed asynchronous motor with steel housing for the air conditioning etc.

OPERATING CONDITIONS

Ambient temperature: 15°C < θ < 40°C Elevation less than 1000m Rated voltage: 110/220V, 220V, 240V Rated frequency: 50Hz, 60Hz Protection class: IP23 Insulation class: B.



Model	rpm	Power (HP)	Voltage	Current (A)	cosφ	Rotation	Ins. Class	Duty	Degree Of Protection
TS158S-4	1425	1/4HP	220V/50 Hz	1.47	1	C.W.	B	S1	IP22
TS158S-4/6	1425/950	1/4HP 1/12HP	220V/50 Hz	1.47/0.5			B	S1	IP22
TS158M-4	1425	1/3HP	220V/50 Hz	1.93			B	S1	IP22
TS158M-4/6	1425/950	1/3HP 1/9HP	220V/50 Hz	1.93/0.63	1	C.W.	B	S1	IP22
TS158L1-4	1425	1/2HP	220V/50 Hz	2.77			B	S1	IP22
TS158L1-4/6	1425/950	1/2HP 1/6HP	220V/50 Hz	2.77/0.92			B	S1	IP22
TS158L2-4	1425	3/4HP	220V/50 Hz	4.0	0.6	C.W.	B	S1	IP22
TS158L2-4/6	1425/950	3/4HP 1/4HP	220V/50 Hz	4.0/1.53			B	S1	IP22

YTF SERIES INDUCTION MOTOR FOR FAN

YTF Series motor is a new kind patent electrical motor, as its salient poles are hidden in its stator, this motor presents very soft operation characteristic and easy for speed control. This series motor is very economy, safety and credibility running, no pollution for environment in electro-magnetic interference and noise. It is a ideal driving motor for electrical appliance for domestic use.

FEATURES

- Higher power factor up to 0.92-0.98%
- More efficient 5-10% higher than common capacitor starting motor
- With simple and reasonable construction and smaller its occupant, it is with very high reliability and easy to use, economic and pragmatic
- Using powder-brass oil-retaining bearing and excellence against wearing, it has a very long-life(more than 15000 hours), operating at lower noise of about 30db, without Electro-magnetic interference
- Insulation: class B, small starting current which only 1.1 times of its rated current, and lower locked current of 1.1-1.2 time its rated current, so this motor can stay safe on operating
- Easy for speed control by changing different capacitor, save energy greatly for fan and small pump using

TECHNICAL DATA

Type	Input	Rated Voltage(V)	Rated Current(A)	Power Factor	Frequency (Hz)	Speed (r/min)	Starting Current	Stall Current	Noise(dB)
YTF-16	16	220V	0.08A	0.91	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-25	25	220V	0.12A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-30	30	220V	0.15A	0.91	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-40	40	220V	0.20A	0.92	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-50	50	220V	0.24A	0.94	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-60	60	220V	0.30A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-70	70	220V	0.34A	0.92	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-90	90	220V	0.44A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-120	120	220V	0.59A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-150	150	220V	0.74A	0.92	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-180	180	220V	0.89A	0.92	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-200	200	220V	0.98A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-220	220	220V	1.06A	0.94	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-250	250	220V	1.20A	0.94	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-280	280	220V	1.37A	0.93	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30
YTF-350	350	220V	1.73A	0.92	50Hz	700-2800	1.15-1.2	1.1-1.2	≤30

CR SERIES STEEL CASING MOTOR FOR COOLANT PUMP

MAIN FEATURES

- Compact design
- Low noise
- Low vibration
- Self-lubrication bushing bearing system
- Different voltage & Frequency available

TECHNICAL DATA

Model	Model	Model	Model	Model	Model
Voltage(V)	127/220	127/220	127/220	127/220	127/220
Frequency(Hz)	60/50	60/50	60/50	60/50	60/50
Speed(RPM)	2400/3000	2400/3000	2400/3000	2400/3000	2400/3000
Rot.Direction	CW/CCW	CW/CCW	CW/CCW	CW/CCW	CW/CCW
Insulation	B	B	B	B	B
Duty	S1	S1	S1	S1	S1
Lift Head(m)	2	2	2	2	2



ST SERIES SINGLE-PHASE A.C. SYNCHRONOUS ALTERNATOR

ST series alternator are mainly designed to serve as power generating unit for lighting purpose in ships, towns or villages and house-hold electric appliances. The construction of the alternator is drip-proof type, IP21, salient pole rotating field self excitation and constant voltage type. The alternator interior is made of high quality magnetic and electrical materials. Insulation for stator and rotor is class B or F. The alternator are elegant in appearance, tight in construction and easy maintenance. IEC standard are adopted on dimension, which are suitable for using in Australia, Europe, America and other countries with the end covers to be model B. The alternator are made as per standard JB/T3320.2-2000. And in conformity to IEC34-1.

ENVIRONMENT CONDITIONS

Under the following environment, the alternator could run continuously:

- Altitude: not exceed 1000m
- Cooling air temperature: 258~313K(-15°C~40°C)
- Relative air humidity: not exceed 90%

Type	Output(kw)	Current(A) Series Connection	Current(A) Parallel Connection	Voltage(V) Series Connection	Voltage(V) Parallel Connection	Power Factor(cos)	Pole Number	Speed (r.p.m)	Freq. (Hz)
ST-1	1	4.35	8.7	230	115	1.0	4	1500/1800	50/60
ST-2	2	8.7	17.4	230	115	1.0	4	1500/1800	50/60
ST-3	3	13	26	230	115	1.0	4	1500/1800	50/60
ST-5	5	21.8	43.5	230	115	1.0	4	1500/1800	50/60
ST-7.5	7.5	32.6	65.2	230	115	1.0	4	1500/1800	50/60
ST-10	10	43.5	87	230	115	1.0	4	1500/1800	50/60
ST-12	12	52.2	104	230	115	1.0	4	1500/1800	50/60
ST-15	15	65.3	130	230	115	1.0	4	1500/1800	50/60
ST-20	20	87	174	230	115	1.0	4	1500/1800	50/60
ST-24	24	104	208	230	115	1.0	4	1500/1800	50/60



STC SERIES THREE-PHASE A.C. SYNCHRONOUS ALTERNATOR

STC series alternator are used in town, countryside, worksites, villages and pastures as emergency power source. The alternator are drip proof with rotary field type, IP23, Insulation Class: B or F, adopting harmonic excitation system, safe and reliable using, easy operation and maintenance.

The alternator are three-phase, four-wire type, adopting star connection with neutral point. The rated line voltage is 400V, phase voltage 230V, frequency 50Hz, power factor 0.8(lag). We can provide 60Hz and the other voltage's alternator according to the customer's request.

They can be coupled with a prime mover directly or through v-belt making right or reverse continuous rotation at the rated speed. When the rotation speed of prime mover changes 3% or so and load varies in the range of 0~100% Cos 0.8~1.0, the alternator offer constant voltage, when sudden change (increase or decrease) of load, the alternator will soon return to their normal working state, at the same time, without any starting device the alternator can directly start an unloaded squirrel cage induction motor. The alternator are made as per standard JB/T8981-1999. And in conformity to IEC34-1.

ENVIRONMENT CONDITIONS

Under the following environment, the alternator could run continuously:

- Altitude: not exceed 1000m
- Cooling air temperature: 258~313K(-15°C~40°C)
- Relative air humidity: not exceed 90%

Type	Output KVA	Output KW	Voltage(V)	Current(A)	Power Factor(cos)	Speed(r/min)	Freq.(Hz)	Pole Number
STC-3	3.8	3	400/230	5.4	0.8	1500	50	4
STC-5	6.3	5	400/230	9	0.8	1500	50	4
STC-7.5	9.4	7.5	400/230	13.5	0.8	1500	50	4
STC-8	10	8	400/230	14.4	0.8	1500	50	4
STC-10	12.5	10	400/230	18.1	0.8	1500	50	4
STC-12	15	12	400/230	21.7	0.8	1500	50	4
STC-15	18.8	15	400/230	27.1	0.8	1500	50	4
STC-20	25	20	400/230	36.1	0.8	1500	50	4
STC-24	30	24	400/230	43.3	0.8	1500	50	4
STC-30	37.5	30	400/230	54.1	0.8	1500	50	4
STC-40	50	40	400/230	72.2	0.8	1500	50	4
STC-50	62.5	50	400/230	90.2	0.8	1500	50	4



BRIEF

Introduction

Over the years, **Stream** has specialized in designing, manufacturing, sourcing of different kinds of electric motors. Since 1997, **Stream** has established strategic, technological and commercial relationship with global companies from Europe, Asia and U.S. Today we have a range of motor to drive home appliances, Agriculture machinery, Industrial Machine, Civil Construction Machine etc. , from micro 6W up to High voltage industrial use 3000KW.

As **Stream** our goal is to provide the products with full scale services to our global customer, which could be measured by:

- The right quality of products
- Optimizing the total logistics costs
- Deliveries just in time
- Exchange of information concerning the products and technologies
- Securing a high degree of ethical and environmental consciousness.

Stream understand that to meet the challenge in the new millennium, the best is to align and continuously cooperate with its customers with qualified products, more competitive commercial conditions, more efficient service.

MOTOR



ALTERNATOR



