



VILMA MOTORS

Series 3 SMI single phase capacitor start asynchronous electric motor . Best solution for applications with starting torque 2 ~ 3 times the rated torque.

The operational advantages of 3 SMI series of electric motors :

- Low Noise Level
- Low Temperature Rise
- High Starting Torque

Widely used for applications such as : Machine tools , compressors and whether application needs HIGH STARTING TORQUE.

SINGLE PHASE 3SMI SERIES

FRAME SIZE	Pn kW	Speed RPM	Eff %	P.F. COSΦ	STATOR CURRENT (A)	LRT ----- RLT	LRA	BDT ----- RLT
711-2	0.18	2800	60	0.72	1.9	3.0	12	1.8
712-2	0.25	2800	64	0.74	2.4	3.0	15	1.8
711-4	0.12	1400	50	0.58	1.9	3.0	9	1.8
712-4	0.18	1400	53	0.62	2.5	2.8	12	1.8
801-2	0.37	2800	65	0.77	3.4	2.8	21	1.8
802-2	0.55	2800	68	0.79	4.7	2.8	29	1.8
801-4	0.25	1400	58	0.63	3.1	2.8	15	1.8
802-4	0.37	1400	62	0.64	4.2	2.5	21	1.8
90S-2	0.75	2800	70	0.80	5.9	2.5	37	1.8
90L-2	1.1	2800	72	0.80	8.7	2.5	60	1.8
90S-4	0.55	1400	66	0.69	5.5	2.5	29	1.8
90L-4	0.75	1400	68	0.73	6.9	2.5	37	1.8
100L1-2	1.5	2800	74	0.81	11.4	2.5	80	1.8
100L2-2	2.2	2800	75	0.81	16.5	2.2	120	1.8
100L1-4	1.1	1400	71	0.74	9.5	2.5	60	1.8
100L2-4	1.5	1400	73	0.75	12.5	2.5	80	1.8
112M-2	3	2800	76	0.82	21.9	2.2	150	1.8
112M-4	2.2	1400	74	0.76	17.8	2.2	120	1.8
132S-2	3.7	2800	77	0.82	26.6	2.2	175	1.8
132S-4	3	1400	75	0.77	23.6	2.2	150	1.8
132M-4	3.7	1400	76	0.79	28.0	2.2	175	1.8

Duty Type : (S1)
 Insulation Class : B
 Protection Class : IP44
 Cooling Method : IC 411

Rated Voltage : 230 V
 Rated Frequency : 50 Hz
 Ambient Temperature : -15 °C ~ 40 °C



LRT/RLT : DOL Starting torque ratio
LRA : Locked rotor current
BDT/RLT : DOL Starting pull out torque ratio



VILMA MOTORS

Series 3 SM2 is a single phase capacitors start and run asynchronous electric motor.

The operational advantages of 3 SM2 series of electric motors :

- Small size high capacity
- High Power Factor
- High Efficiency

Widely used for applications such as with high performance of full load

SINGLE PHASE 3SM2 SERIES

FRAME SIZE	Pn kW	Speed RPM	Eff %	P.F. COSΦ	STATOR CURRENT (A)	LRT ----- RLT	LRA	BDT ----- RLT
711-2	0.37	2800	67	0.92	2.7	1.8	16	1.7
712-2	0.55	2800	70	0.92	3.9	1.8	21	1.7
711-4	0.25	1400	62	0.92	2.0	1.8	12	1.7
712-4	0.37	1400	65	0.92	2.8	1.8	16	1.7
801-2	0.75	2800	72	0.92	5.1	1.8	29	1.7
802-2	1.1	2800	75	0.92	7.0	1.8	40	1.7
801-4	0.55	1400	68	0.92	4.0	1.8	21	1.7
802-4	0.75	1400	71	0.92	5.2	1.8	29	1.7
90S-2	1.5	2800	76	0.95	9.4	1.7	55	1.7
90L-2	2.2	2800	77	0.95	13.7	1.7	80	1.7
90S-4	1.1	1400	73	0.95	7.2	1.7	40	1.7
90L-4	1.5	1400	75	0.95	9.6	1.7	55	1.7
100L-2	3	2800	79	0.95	18.2	1.7	110	1.7
100L-2	2.2	1400	76	0.95	13.9	1.7	80	1.7
100L2-4	3	1400	77	0.95	18.6	1.7	110	1.7
112M-2	3.7	2800	80	0.95	22.1	1.7	130	1.7
112M-4	3.7	1400	79	0.95	22.4	1.7	130	1.7
132S-2	5.5	2800	81	0.95	32.5	1.7	190	1.7
132S-4	5.5	1400	80	0.95	32.9	1.7	190	1.7

Duty Type : (S1)
 Insulation Class : F
 Protection Class : IP55
 Cooling Method : IC 411

Rated Voltage : 230 V
 Rated Frequency : 50 Hz
 Ambient Temperature : -15 °C ~ 40 °C



LRT/RLT : DOL Starting torque ratio
LRA : Locked rotor current
BDT/RLT : DOL Starting pull out torque ratio



VILMA MOTORS

Series 3 SM3 single phase run capacitor asynchronous electric motors is produced according IEC standard.

The operational advantages of 3 SM3 series of electric motors :

- Simple Structure
- Easy Maintenance
- Protection IP55

Widely used for applications such as household appliances.

SINGLE PHASE 3SM3 SERIES

FRAME SIZE	Pn kW	Speed RPM	Eff %	P.F. COSΦ	STATOR CURRENT (A)	LRT ----- RLT	LRA	BDT ----- RLT
632-2	0.18	2800	65	0.92	1.37	0.4	5	1.7
631-2	0.25	2800	66	0.92	1.87	0.4	7	1.7
632-2	0.12	2800	57	0.90	1.06	0.4	3.5	1.7
632-4	0.18	1400	59	0.90	1.54	0.4	5	1.7
711-2	0.37	2800	67	0.92	2.73	0.35	10	1.7
712-2	0.55	2800	70	0.92	3.88	0.35	15	1.7
711-4	0.25	1400	61	0.92	2	0.35	7	1.7
712-4	0.37	1400	62	0.92	2.95	0.35	10	1.7
801-2	0.75	2800	72	0.92	5.15	0.33	20	1.7
802-2	1.1	2800	75	0.95	7	0.33	30	1.7
801-4	0.55	1400	64	0.96	4.25	0.35	15	1.7
802-4	0.75	1400	68	0.92	5.45	0.32	20	1.7
90S-2	1.5	2800	76	0.92	9.44	0.3	45	1.7
90L-2	2.2	2800	77	0.95	13.67	0.3	65	1.7
90S-4	1.1	1400	71	0.95	7.4	0.32	30	1.7
90L-4	1.5	1400	73	0.95	9.83	0.3	45	1.7

Duty Type : (S1)
 Insulation Class : B
 Protection Class : IP44
 Cooling Method : IC 411

Rated Voltage : 230 V
 Rated Frequency : 50 Hz
 Ambient Temperature : -15 °C ~ 40 °C
 Standard : ENIEC 60034



LRT/RLT : DOL Starting torque ratio
LRA : Locked rotor current
BDT/RLT : DOL Starting pull out torque ratio