



Best-Nr.0200
AC 220V 50Hz
15 VA (W)
ED 100%
IP 00/65
CE

KLOP®

Single Phase, 230 Volts, 50Hz



ML
ALUMINIUM HOUSING

ML series aluminium housing single-phase dual-capacitor asynchronous motors, with latest design entirely, are made of selected quality materials and conform to the IEC standard.

ML motors have good performance, safety and reliable operation, nice appearance and, can be maintained very conveniently, while with low noise, little vibration and at the same time being lightweight and simple construction. The composite performance is good. The multiple of starting torque is 1.8 - 2.5.

These series motors are suitable for occasions where the requirements of big starting torque and high over load, such as air-compressors, pumps, fans, medical apparatus and instruments, and many other small machines.

MODEL	POWER (kw)	CURRENT (A)	SPEED (r/min)	EFF (%)	POWER FACTOR	RATED TORQUE (N.M)	TSTART/TN (Times)	TMAX/TN (Times)	STARTING CURRENT (A)	RUN CAPACITOR (μF/V)	STARTING CAPACITOR (μF/V)	NOISE dB(A)	W.T (Kg)
ML631-2	0.18	1.31	1.31	65	0.92	0.63	2.5	1.7	8	8μF/450V	40μF/450V	70	4.2
ML632-2	0.25	1.76	1.76	67	0.92	0.87	2.5	1.7	10	10μF/450V	50μF/450V	73	4.7
ML711-2	0.37	2.42	2.42	70	0.95	1.27	2.5	1.7	15	12μF/450V	75μF/450V	75	5.3
ML712-2	0.55	3.45	3.45	73	0.95	1.88	2.5	1.7	20	16μF/450V	100μF/450V	76	7.4
ML801-2	0.75	4.54	4.54	74	0.97	2.59	2.5	1.7	30	20μF/450V	100μF/450V	76	9.5
ML802-2	1.1	6.45	6.45	76	0.97	3.74	2.5	1.7	40	25μF/450V	150μF/450V	79	11.2
ML90s-2	1.5	8.62	8.62	78	0.97	5.10	2.5	1.8	55	40μF/450V	150μF/450V	84	14
ML90s-2	2.2	12.5	12.5	79	0.97	7.48	2.2	1.8	75	50μF/450V	250μF/450V	84	17
ML100L-2	3.0	16.6	16.6	80	0.98	10.12	2.2	2.0	95	60μF/450V	400μF/450V	88	25
ML112M-2	3.7	20.5	20.5	80	0.98	12.4	2.0	2.0	120	60μF/450V	500μF/450V	90	30.5
ML631-4	0.12	1.04	1.04	55	0.91	0.85	2.5	1.6	6	10μF/450V	40μF/450V	64	4
ML632-4	0.18	1.54	1.54	56	0.91	1.26	2.5	1.6	8.5	12μF/450V	40μF/450V	64	4.8
ML711-4	0.25	1.94	1.94	61	0.92	1.73	2.5	1.6	10	14μF/450V	50μF/450V	66	5.9
ML712-4	0.37	2.8	2.8	62.5	0.92	2.56	2.5	1.5	15	16μF/450V	75μF/450V	68	6.9
ML801-4	0.55	3.8	3.8	67	0.94	3.75	2.5	1.4	20	20μF/450V	100μF/450V	71	9.6
ML802-4	0.75	4.75	4.75	73	0.94	5.08	2.5	1.4	30	25μF/450V	150μF/450V	71	10.8
ML90s-4	1.1	6.76	6.76	74.5	0.95	7.45	2.2	1.8	40	30μF/450V	150μF/450V	74	13.5
ML90L-4	1.5	9.03	9.03	76	0.95	10.09	2.2	1.8	55	40μF/450V	200μF/450V	79	16.5
ML100L1-4	2.2	12.6	12.6	78	0.97	14.69	2.2	1.8	75	50μF/450V	300μF/450V	79	24
ML100L2-4	3	17.0	17.0	79	0.97	19.90	2.2	1.8	95	60μF/450V	400μF/450V	83	30
ML112M-4	3.7	20.7	20.7	80	0.97	24.54	2.0	2.0	120	60μF/450V	500μF/450V	86	36

Y2 Series Three-Phase Induction Motors



Y2 series motors are totally enclosed and fan cooled (TEFC), three-phase squirrel cage induction motors, developed with new technique. They are renewal and upgrading products of Y series. The mounting dimension is conformed with the relevant requirements of IEC standards.

Y2 series motors have the merits of beautiful modeling, compact structure, low noise, high efficiency, large starting torque, easy serving, etc. The motors are adopted with F class insulation and designed with assessing method for insulation system according to international advanced level of 1990s.

Y2 series motors are widely used in many places, such as drilling machines, pumps, fans, mixer, transport machines, food machines, agriculture machines and equipments, etc.

The central height: 63 ~ 355mm Power range: 0.12 ~ 315kW Rated voltage: 415V (other voltage must be separately)
Rated frequency: 50Hz or 60Hz Protection grade: IP54 / IP55 Insulation grade: F Business: S1

MODEL	Output (kW)	ASYNCHRONOUS SPEED 1500r/min				Stall Current Rated Current Ist/IN	Stall Torque Rated Torque Tst/TN	Maximum Torque Rated Torque Tmax/TN
		Full Load			Power Factor (cos φ)			
		Current IN(A)	Speed (r/min)	Efficiency η(%)				
80M1	0.55	1.57	1390	71.0	0.75	2.4	5.2	2.3
80M2	0.75	2.03	1380	73.0	0.76	2.3	6.0	
90S	1.1	2.86	1390	78.0	0.79			
90L	1.5	3.70		78.30				
100L1	2.2	5.16	1410	80.0	0.81	7.0		
100L2	3	6.78		82.0			0.82	
112M	4	8.82	1445	84.0	0.83			
132S	5.5	11.7		85.0			0.84	
132M	7.5	15.6	87.0	0.85				
160M	11	22.3	1450		88.0		0.86	
160L	15	30.1		89.0				
180M	18.5	36.5	1460	90.5	0.87	7.2		
180L	22	43.1		91.0				
200L	30	57.6	1470	92.0	0.88			
225S	37	69.9		92.5				
225M	45	84.5	1480	92.8	0.89			
250M	55	103.1		93.0				
280S	75	139.6	1490	93.8	0.90			
280M	90	166.9		94.2				
315S	110	201	1500	94.5	0.91	2.2		
315M	132	240.4		94.8				
315L1	160	287.8	1510	94.9	0.92			
315L2	200	358.6		95.0				
355M	250	441.9	1520	95.3	0.93			
355L	315	555.1		95.6				

Heavy Duty TEFC
Single-Phase Air-Compressor Motor



Motor Features:

HP	1HP-10HP
START TORQUE	Tst=250%
FRAME	Rolled Steel, 56--215T
SERVICE FACTOR	1.0 or 1.15 or specially design as requirement
INSULATION CLASS	F. UL Approved
CERTIFICATION	CSA&CUS

HP	RPM 60HZ	NEMA FRAME	MODEL	VOLTS	ENCL	S.F	FULL LOAD AMPS	% EFF.	*C* DIM	WGT. LBS.
1	3600	56	F561S2C	115/208-230	TEFC	1.15	8.3/4.3	76	11.8	30
	1800	56	F561S4C	115/208-230	TEFC	1.15	9.5/4.7	74.5	11.8	38
	1800	143T	F143T1S4C	115/208-230	TEFC	1.15	9.5/4.7	74.5	12.2	41
1.5	3600	56	F561.5S2C	115/208-230	TEFC	1.15	13/6.4	77	11.8	37
	1800	56	F561.524C	115/208-230	TEFC	1.15	14/6.8	77	13.4	42
	1800	145T	F145T1.5S4C	115/208-230	TEFC	1.15	14/6.8	77	13.8	45
2	3600	145T	F145T1.5S2C	115/208-230	TEFC	1.15	13/6.4	77	13.8	41
	3600	56	F562S2C	115/208-230	TEFC	1.15	16.8/8.3	81	13.4	44
	1800	56	F562S4C	115/208-230	TEFC	1.15	18.5/9.3	80	13.4	47
3	1800	145T	F145T2S4C	115/208-230	TEFC	1.15	18.5/9.3	80	13.8	50
	3600	145T	F145T2S2C	115/208-230	TEFC	1.15	16.8/8.3	81	13.8	48
	3600	56	F563S2C	115/208-230	TEFC	1.15	25/13	83	14.2	60
5	3600	145T	F145T3S2C	115/208-230	TEFC	1.15	25/13	83	14.6	67
	1800	182T	F182T3S4A	208-230/460	TEFC	1.15	12/6.3	82	18	88
7.5	3600	184T	F184T5S2A	208-230/460	TEFC	1.15	19.5/10	84	16.3	95
	1800	184T	F184T5S4A	208-230/460	TEFC	1.15	21/11	82	17.7	96
10	1800	213T	F213T7.5S4A	208-230/460	TEFC	1.15	30/15.2	82.3	20.3	149
10	1800	215T	F215T10S4A	208-230/460	TEFC	1.0	38.5/19.5	84	21.7	161

NEMA Premium Efficiency Motor



Motor Features:

HP	5HP-50HP, 2,4 and 6P
VOLTAGE	230/460V, 575V, 60HZ
FRAME	Cast Iron, 56--215T, Accept C-flange and KIT-flange
SERVICE FACTOR	1.15
ENDOSURE	TEFC
IP CLASS	IP44, IP54
INSULATION CLASS	F. UL Approved
NEMA DESIGN	A&B
CERTIFICATION	CSA&CUS

HP	RPM 60HZ	NEMA FRAME	MODEL	VOLTS	ENCL	S.F	FULL LOAD AMPS	% EFF.	WGT. LBS.
5	3600	184T	SF184T5M2A	230/460	TEFC	1.15	11.8/5.9	88.5	96
	1800	184T	SF184T5M4A	230/460	TEFC	1.15	12.4/6.2	89.5	113
	1200	215T	SF215T5M6A	230/460	TEFC	1.15	14.4/7.2	89.5	145
7.5	3600	213T	SF213T7.5M2A	230/460	TEFC	1.15	18.4/9.2	89.5	106
	1800	213T	SF213T7.5M4A	230/460	TEFC	1.15	19.2/9.6	91.7	161
10	3600	215T	SF215T10M2A	230/460	TEFC	1.15	24.0/12.0	90.2	150
	1800	215T	SF215T10M4A	230/460	TEFC	1.15	25.2/12.6	91.7	180
15	3600	254T	PE152T01	230/460	TEFC	1.15	33.8/16.9	91.7	280
	1800	254T	PE154T01	230/460	TEFC	1.15	36/18	92.4	291
20	3600	256T	PE202T01	230/460	TEFC	1.15	45.8/22.9	92.4	313
	1800	256T	PE204T01	230/460	TEFC	1.15	48.8/24.4	93	324
25	3600	284TS	PE252T01	230/460	TEFC	1.15	56.8/28.4	93	353
	1800	284T	PE254T01	230/460	TEFC	1.15	59/29.5	93.6	481
30	3600	286TS	PE302T01	230/460	TEFC	1.15	66.8/33.4	93	428
	1800	286T	PE304T01	230/460	TEFC	1.15	70.2/35.1	93.6	525
40	3600	324TS	PE402T01	230/460	TEFC	1.15	91.6/45.8	93.6	561
	1800	324T	PE404T01	230/460	TEFC	1.15	96.6/48.3	94.1	640
50	3600	325TS	PE502T01	230/460	TEFC	1.15	111/55.5	94.1	607
	1800	326	PE504T01	230/460	TEFC	1.15	121.2/60.6	94.5	662



250L-VERTICAL TANK

Type	Vertical Tank
SIZE	508mm OD
Dimension	508(L) x 508(W) x 1487(H)
CAPACITY	250 LITRES
DESIGN PRESSURE	1.4 Mpa
HYDROSTATIC TEST PRESSURE	1.82 Mpa
INLET/OUTLET CONNECTION	BSPT 1"x 2 BSPT 1/2" x 2
INSPECTION HOLE	BSPT 2"x2"



500L-VERTICAL TANK

Type	VERTICAL TANK
SIZE	709.2mm OD
Dimension	739.6 (L) x 724.6(W) x 1695.2(H)
CAPACITY	500 LITRES
DESIGN PRESSURE	1.1Mpa
HYDROSTATIC TEST PRESSURE	1.43Mpa
INLET/OUTLET CONNECTION	BSPT 1" x 1 BSPT 3/4"x2
INSPECTION HOLE	BSPT2"x2



1000L-VERTICAL TANK

Type	VERTICAL TANK
SIZE	911.2mm OD
Dimension	1117.2 (L) x 1031.2 (W) x 2031(H)
CAPACITY	1000 LITRES
DESIGN PRESSURE	1.1Mpa
HYDROSTATIC TEST PRESSURE	1.43Mpa
INLET/OUTLET CONNECTION	BSPT 2" x 2 (SCREW) ASME B16.5-2003 CLASS 150*2 (WN/FM)
INSPECTION HOLE	BSPT2" (SCREW)

Flexible Pipe

▶ Without Hex ends



▶ With hex ends



▶ Rubber Hose with Hex ends



*Also available with hex end

Belt Guards

▼ Totally enclosed belt guards
Wire+Metal frame
★Customized length are also available

▼ Wire

▼ Metal



Part No.	07C1218	07C1224	07C3418	07C3424	07C3430	07C11418	07C11424	07C11218	07C11224	07C218	07C224	07C21218	07C318
Size	1/2" x 18"	1/2" x 24"	3/4" x 18"	3/4" x 24"	3/4" x 30"	1 1/4" x 18"	1 1/4" x 24"	1 1/2" x 18"	1 1/2" x 24"	2" x 18"	2" x 24"	2 1/2" x 18"	3" x 18"

Pilot Valve

The All-in-One Valve automatically vents the compressor discharge line when the air supply of the compressor is greater than the air demand. It is recommended for gas or electric driven air compressors without intake unloaders where the compressor is to operate continuously while maintaining a constants pressure.



Part#	Inlet	Outlet	PSI
04B12175H	1/2"	1/2"	160-175
04B34175H	3/4"	3/4"	160-175

▼ Air Filter Elements



▼ Air Inlet Filters



Part#	Element	TYPE	SIZE (height)
Air Filter Elements			
09E233A	1#	polyester	33mm
09E237	2#	paper	37mm
09E260	3#	paper	60mm
09E233	4#	paper	33mm
09E242	5#	paper	42mm
09E252	6#	paper	52mm
09E255	7#	paper	55mm
09E2116	8#	fibre	116mm
09E2118	9#	fibre	118mm

Part#	SIZE (height)	Element
Air Filter Elements		
09E112109	1/2"(recatangle)	1#
09E112104	1/2"	2#
09E134104	3/4"	2#
09E134132	3/4"	3#
09E112102Fe	1/2"	4#
09E134128Fe	3/4"	4#
09E11151Fe	1"	4#
09E11Fe	1"	5#
09E1112Fe	1-1/2"	6#
09E12Fe	2"	7#

PRESSURE SWITCH WITH UL AND CSAAPPROVAL

PRESSURE GAUGE



CBM

LM

Part No.	AMP RATING	#PORTS	PRESSURE	Part#	SIZE	MTG	RANGE	FACE
08A125F1W	20AMP	Single	95to125PSI	07A1518160W	1/8"	CBM	0-160	1-1/2"
08A125F4W	20AMP	Four	95to125PSI	07A2014160W	1/4"	CBM	160	2"
08A175F1W	20AMP	Single	145to175PSI	07A2014200W	1/4"	CBM	200	2"
08A175F4W	20AMP	Four	145to175PSI	07A2014300W	1/4"	CBM	300	2"
08A125F1WG	30AMP	Single	95to175PSI	07A2014200L	1/4"	LM	200	2"
08A175F1WG	30AMP	Single	145to175PSI	07A2514200W	1/4"	CBM	200	2.5"
				07A4012200L	1/2"	LM	200	4"



SAFETY VALVES

CHECK VALVES

Part#	Size	PSI/BAR
01B14110	1/4"	110/
01B14115	1/4"	115
01B14130	1/4"	130
01B14140	1/4"	140
01B14150	1/4"	150
01B14160	1/4"	160
01B14190	1/4"	190
01B12125	1/2"	125
01B12150	1/2"	150
01B12175	1/2"	175
01B34115	3/4"	115
01B34175	3/4"	175

Part#	TYPE	SIZE
02B1212LL	In-tank	1/2"NPT × 1/2"NPT
02B134LL	In-tank	1"NPT × 3/4"NPT
02B342715	vertical	R3/4 × M27 × 1.5
02B13315	vertical	R1 × M33 × 1.5
02B123416	vertical	R1/2 × UNF3/4-16

ACCESSORIES



MAGNETIC SWITCH 3HP-30HP Y- Δ STARTER 10HP-50HP

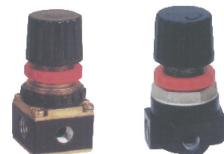


BALL VALVE

Part#	Motor HP	Motor&Coil Voltage	Phase	Part#	SIZE
09A50208	5	208	1	05B14MF	1/4"M × 1/4"F
09A50230	5	230	3	05B14FF	1/4"F × 1/4"F
09A50460	5	460	3	05B12MF	1/2"M × 1/2"F
09A75230	7.5	208-230	3	05B12MF	1/2"F × 1/2"F
09A75460	7.5	460	3	05B34MF	3/4"M × 3/4"F
09A10230	10	208-230	3	05B1MF	1"M × 1"F
09A10460	10	460	3		
09A15230	15	208-230	3		
09A15460	15	460	3		
09A20230	20	208-230	3		
09A20460	20	460	3		
09A25230	25	208-230	3		
09A25460	25	460	3		



DRAIN COCK



ALUMINIUM REGULATORS

Part#	SIZE	Part#	SIZE	Gauge
03B14TL	1/4" with T type	10A141814S	1/4"	None,1/8"port
03B14T	1/4"with T type, one,Piece	10A141814	1/4"	None,1/8"port
03B14	1/4"			
03B38L	3/8"			

ACCESSORIES



MAM 860 CONTROLLER



VSD CONTROLLER



SCREW COMPRESSOR CONTROL PANEL



PRESSURE SENSOR



TEMPERATURE SENSOR



INTAKE VALVE



MINIMUM PRESSURE VAVLE



OIL SEPERATOR ASSEMBLY



AIR FILTER



AIR FILTER ELEMENTS



OIL FILTER



SEPERATOR FILTER ELEMENTS