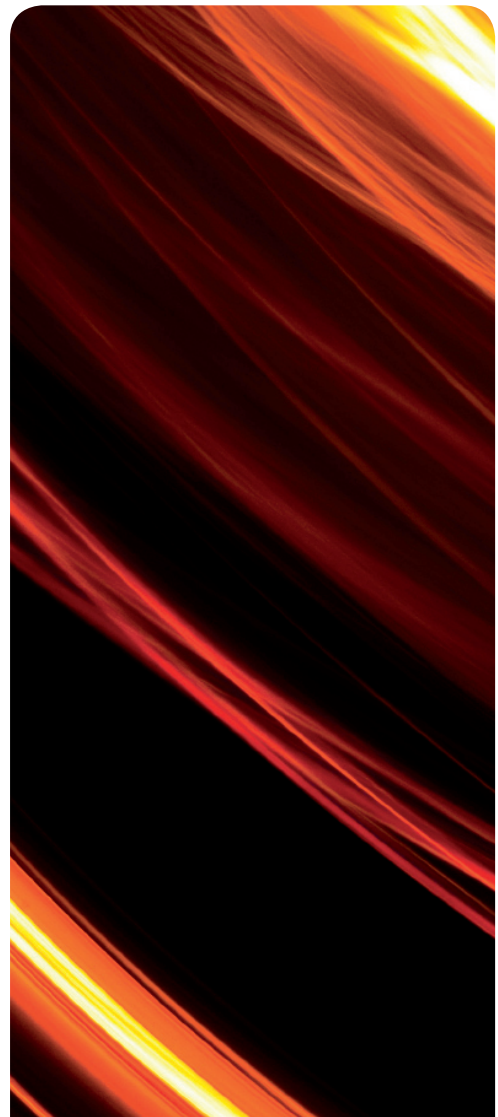


EG SERIES L.V. MOTORS

Frame size: 400mm ~ 500mm
Power: 160kW ~ 800kW



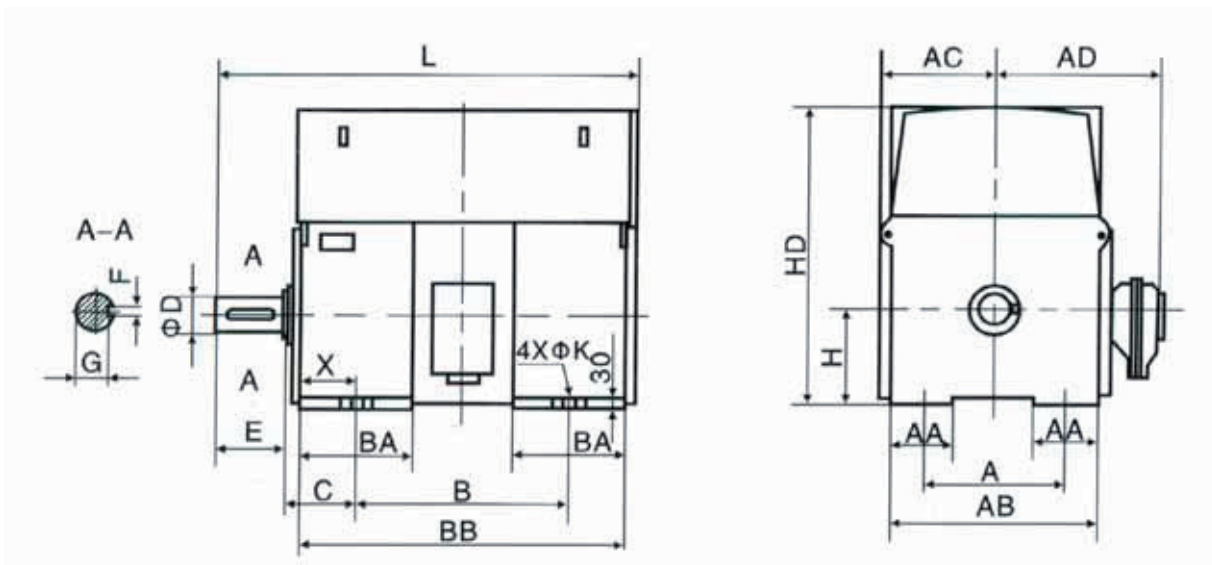
BRIEF DESCRIPTION

EG series (380V, IP23) motor is of closed squirrel cage three phase asynchronous motor (center height from 400mm to 500mm), which is lower voltage and high power. The motor is of box like construction. By removing the cover plates, the inside of the motor are visible and can be reached for maintenance and repair. The protection degree of the motor is of IP23 and the cooling method is of IC01.

The motor has such advantage as high efficiency, energy saving, low noise, lower vibration, light weight and reliable performance. This motor is used to drive various mechanical equipments such as blowers, compressors, pumps, crushers. It can serve as the prime movers in coal mines, mechanical industries, power plants and various industrial enterprises.

The structure and the mounting type is of IMB3 with continuous duty (S1). The rated frequency is 50Hz.

MOUNTING AND OUTLINE DIMENSION



Frame	A	AA	AB	AC	AD	B	BA	BB	C	D	E	F	G	HD	K	L	X
EG4004~12	710	275	900	560	835	1000	500	1510	335	110	210	28	100	1445	35	1860	255
EG4504	800	305	1000	620	895	1120	575	1660	355	120	210	32	109	1645	35	2035	270
EG4506~12	800	305	1000	620	895	1120	575	1660	355	130	250	32	119	1645	35	2075	
EG5006~12	900	355	1120	690	965	1250	655	1820	475	140	250	36	128	1895	42	2220	385

TECHNICAL DATA (STANDARD VALUE)

TYPE	Power kW	Current A	Voltage V	Speed r/min	Efficiency	Power factor COS ϕ	TM TN	TST TN	IST IN	GD ² kg·m ²	Lubrication Time h	Mass kg
EG4001-4	400	718	380	1480	94.0	0.90	1.8	1.0	6.5	29	3000	2068
EG4002-4	450	807		1485	94.1					2181		
EG4003-4	500	886		1480	94.2	0.91				33		2278
EG4004-4	560	991		1485	94.3					36		2396
EG4001-6	315	584		990	94.2	0.87			6.0	50	2000	2015
EG4002-6	355	657			94.3					53		2109
EG4003-6	400	740			94.4					58		2232
EG4001-8	280	559		740	93.9	0.81			6.5	63	2000	2179
EG4002-8	315	628			94.0					68		2279
EG4001-10	200	414		595	92.9	0.79			5.5	70	1500	2135
EG4002-10	220	455			590					93.0		75
EG4001-12	160	348		495	93.0	0.75			5.5	77		2095
EG4002-12	185	402			490					93.1		78
EG4501-4	630	1114		380	1485	94.4			0.91	1.8	1.0	6.5
EG4502-4	710	1254	94.5			53	2813					
EG4503-4	800	1412	94.6			58	2910					
EG4501-6	450	832	990		94.5	0.87	6.0	71	2000			2525
EG4502-6	500	914			94.5			77				2690
EG4503-6	560	1022			94.6			84				2750
EG4504-6	630	1150	94.6		98	2950						
EG4501-8	355	699	740		94.1	0.82	6.5	84	2000			2655
EG4502-8	400	787			94.2			91				2725
EG4503-8	450	885			94.2			98				2920
EG4501-10	250	511	590		93.0	0.80	5.5	110	1500			2820
EG4502-10	280	571			93.1			120				2910
EG4503-10	315	634			93.2			130				3010
EG4504-10	355	713			93.4			140				3190
EG4501-12	200	438	495	92.5	0.75	5.5	120	1500	2475			
EG4502-12	220	475		92.6			130		2485			
EG4503-12	250	540		92.6			140		2585			

TECHNICAL DATA (STANDARD VALUE)

TYPE	Power kW	Current A	Voltage V	Speed r/min	Efficiency	Power factor COS Φ	TM TN	TST TN	IST IN	GD ² kg·m ²	Lubrication Time h	Mass kg
EG5001-6	710	1294	380	990	94.7	0.88	1.8	1.0	6.5	157	2000	3920
EG5002-6	800	1458								171		4050
EG5001-8	500	971		745	94.3	0.83			5.5	146	3760	
EG5002-8	560	1086								171	3984	
EG5003-8	630	1222								186	4120	
EG5004-8	710	1375		595	94.5	0.83			215	4390		
EG5001-10	400	793							1500	190	3730	
EG5002-10	450	891								204	3820	
EG5003-10	500	989								223	3960	
EG5004-10	560	1093								242	4076	
EG5005-10	630	1227		280	4320							
EG5001-12	280	604		495	92.7	0.76			204	3765		
EG5002-12	315	679							223	3860		
EG5003-12	355	763							242	4012		
EG5004-12	400	858							260	4125		
EG5005-12	450	963							280	4310		

When ordering, the following requirements should be specified

Motor Type	Mounting Type
Rated Power	Protection Degree
Rated Voltage	Cooling Method
Rated Frequency	Insulation Class
Synchronous Speed	Ambient Condition

Others

If you have other requirements, you should be negotiated with us.

The technical characteristics, dimensions and other data in this catalog are not binding.

Simo Top Group reserves the right to change at any time and without notice.

www.simotopgroup.com



SIMOTOP GROUP SPA
Via Ca' Bianca 320
40024 Castel San Pietro (BO) - Italy
Tel. +39 051 6951975
Fax +39 051 941634
info@simotopgroup.com