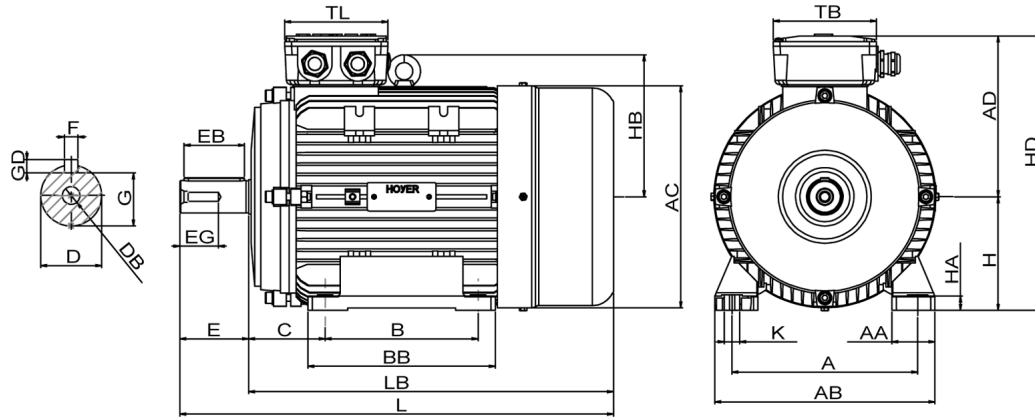


# Data Sheet

Itemnumber....: 3240631108



A = 100	AC = 120	BB = 108	DB = M4	EG = 10	GD = 4	HD = 166	LB = 195
AA = 22	AD = 103	C = 40	E = 23	F = 4	H = 63	K = 7	TB = 80
AB = 122	B = 80	D = 11	EB = 16	G = 8,50	HA = 9	L = 218	TL = 80

<b>Version</b> Type.....: HMA2 63 2-4 Design.....: Induction motor Standard series.....: IEC 60034 Phase / Voltage range.....: 3~ / Low	<b>Mechanical design</b> Frame size.....: 63 Mounting.....: B3 Rain cap.....: No Protection class.....: IP55 Cooling method.....: IC411/TEFC External grounding.....: Yes Drain hole.....: Yes Frame material.....: Aluminium Material approval.....: None Shaft.....: IEC standard Key.....: Closed key Balancing.....: Half key balancing Vibration class.....: Grade-A Weight (kg).....: 4,20	<b>Bearing</b> DE Bearing.....: 6201-ZZ/C3 NDE Bearing.....: 6201-ZZ/C3 Fixed bearing.....: DE
<b>Electrical design</b> Efficiency.....: IE2 Pole.....: 4 Power at 50 Hz (kW).....: 0,18 Hz.....: 60 (60 Hz output) Voltage.....: 440VY Winding voltage.....: 230VD/400VY 50 Hz Power output (kW).....: 0,21 Duty.....: S1 Insulation class.....: F Temperature rise.....: B	<b>Environment condition</b> Ambient temp. min. (°C)..: -20 Ambient temp. max. (°C)..: 45 Altitude (mtr up to).....: 1000	<b>Terminal box</b> Tbox position.....: Top Cable entry direction.....: Right (from DE) Cable entry Main.....: 1 x M20x1,5 Ø8-13mm metal Accessory.....: 1 x M20x1,5 Metal blindcap Terminal board thread.....: 6-M4
<b>Motor protection</b> Thermal protection main....: PTC 3x 155 dgr Thermal protection second..: None Space heater.....: None Temperature detector.....: No SPM.....: No IR wire.....: No Tropical insulation.....: Yes	<b>Test values</b> Rotor inertia (kgm <sup>2</sup> ).....: 0,00049 Noise level (dB(A)).....: 55 No load current (A).....: 0,41 Winding resist. (ohm).....: 47,0 Starting time (sec.).....: 0,00 Temp. rise winding (K).....: 32 Temp. rise surface (K).....: 19	
<b>Explosion protection</b> According to.....: None Type of protection.....: None		

**General**  
 Direction of rotation.....: CW  
 Painting.....: RAL 9005  
 Nameplate.....: Multivoltage + VFD  
 Special packing.....: No  
 Special requirements.....: No

Rated power (kW) . . . . .	0,18	0,17	0,22	0,21
Frequency (Hz) . . . . .	50	50	60	60
Voltage (V) . . . . .	230 400	220 380	280 480	440
Connection . . . . .	D Y	D Y	D Y	Y
Full load current (A) . . . . .	0,97 0,56	1,00 0,58	0,97 0,56	0,58
Speed (rpm) . . . . .	1370	1370	1640	1640
Power factor cos(phi) . . . . .	0,72	0,73	0,72	0,66
Efficiency, 100/75/50 (%) . . . . .	64,7/ 68,6 /66,1	64,7/ 68,6 /66,1	64,7/ 68,6 /66,1	62,2/ 66,4 /63,7
Ist/In . . . . .	3,60	3,15	3,60	3,30
Full load torque (Nm) . . . . .	1,26	1,22	1,26	1,22
Tst/Tn . . . . .	2,44	2,26	2,44	2,12
Tmax/Tn . . . . .	2,46	2,28	2,46	2,14
Duty . . . . .	S1	S1	S1	S1
Ambient temp. (°C) . . . . .	40	45	40	45