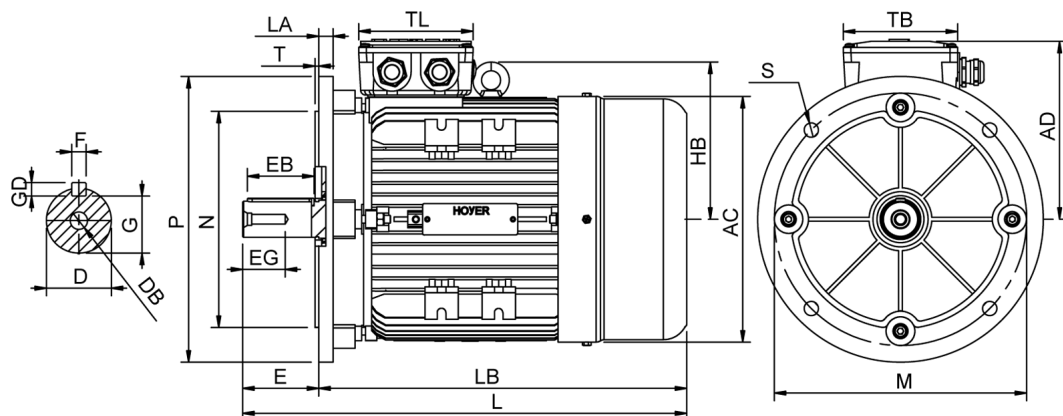


Data Sheet

Itemnumber....: 3240631208



AC = 120	DB = M4	EG = 10	GD = 4	LB = 195	P = 140	TB = 80
AD = 103	E = 23	F = 4	L = 218	M = 115	S = 4-Ø10	TL = 80
D = 11	EB = 16	G = 8, 50	LA = 9	N = 95	T = 3	

Version

Type.....: HMA2 63 2-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

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

Mechanical design

Frame size.....: 63
Mounting.....: B5
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

Environment condition

Ambient temp. min. (°C)...: -20
Ambient temp. max. (°C)...: 45
Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6201-ZZ/C3
NDE Bearing.....: 6201-ZZ/C3
Fixed bearing.....: DE

Terminal box

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

Test values

Rotor inertia (kgm²).....: 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

Motor protection

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

Explosion protection

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