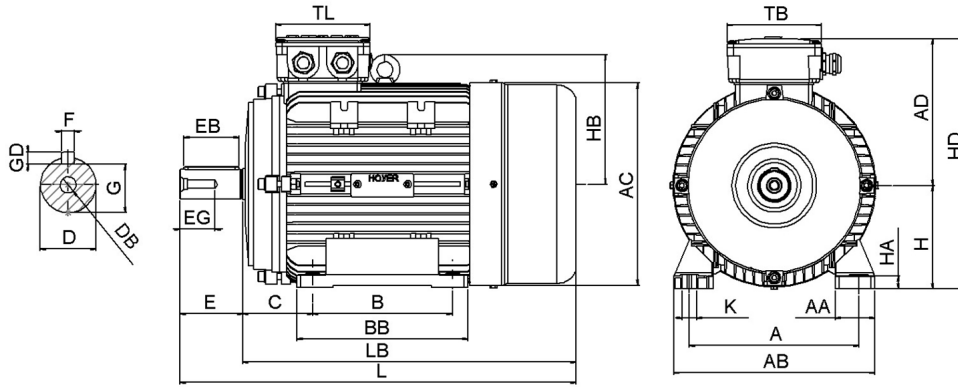


Data Sheet

Itemnumber....: 5541001109



A = 160	AC = 198	BB = 176	DB = M10	EG = 28	GD = 7	HB = 135	L = 406	TL = 100
AA = 42	AD = 147	C = 63	E = 60	F = 8	H = 100	HD = 247	LB = 346	
AB = 205	B = 140	D = 28	EB = 50	G = 24	HA = 12	K = 12	TB = 100	

Version

Type.....: HMA3 100L2-4
 Design.....: Induction motor
 Standard series.....: IEC 60034
 Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
 Pole.....: 4
 Power at 50 Hz (kW).....: 3,00
 Hz.....: 50
 Voltage.....: 230VD/400VY
 Winding voltage.....: 230VD/400VY 50 Hz
 Power output (kW).....: 3,00
 Duty.....: S1
 Insulation class.....: F
 Temperature rise.....: B

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.....: No

Explosion protection

According to.....: None
 Type of protection.....: None

General

Direction of rotation.....: CW
 Painting.....: RAL 9005
 Nameplate.....: Multivoltage
 Special packing.....: No
 Special requirements.....: No

Mechanical design

Frame size.....: 100
 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).....: 33,0

Environment condition

Ambient temp. min. (°C)..: -20
 Ambient temp. max. (°C)..: 40
 Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6206-ZZ/C3
 NDE Bearing.....: 6206-ZZ/C3
 Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
 Cable entry direction.....: Right (from DE)
 Cable entry
 Main.....: 2 x M20x1,5
 Plastic blindcaps
 Accessory.....: 1 x M20x1,5
 Plastic blindcap
 Terminal board thread.....: 6-M4

Test values

Rotor inertia (kgm²).....: 0,012
 Noise level (dB(A)).....: 56
 No load current (A).....: 3,35
 Winding resist. (ohm).....: 0,40
 Starting time (sec.).....: 0,03
 Temp. rise winding (K).....: 59
 Temp. rise surface (K).....: 41

Rated power (kW)	3,00	2,90	3,60	3,50
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)	10,8 6,15	11,0 6,35	10,8 6,15	6,35
Speed (rpm)	1460	1460	1750	1750
Power factor cos(phi)	0,80	0,81	0,80	0,82
Efficiency, 100/75/50 (%)	87,7/ 87,9 /86,4	87,7/ 87,9 /86,4	87,7/ 87,9 /86,4	86,8/ 87,0 /85,4
Ist/In	9,05	7,95	9,05	8,30
Full load torque (Nm)	19,6	19,0	19,6	19,0
Tst/Tn	3,50	3,25	3,50	3,05
Tmax/Tn	3,80	3,55	3,80	3,30
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45