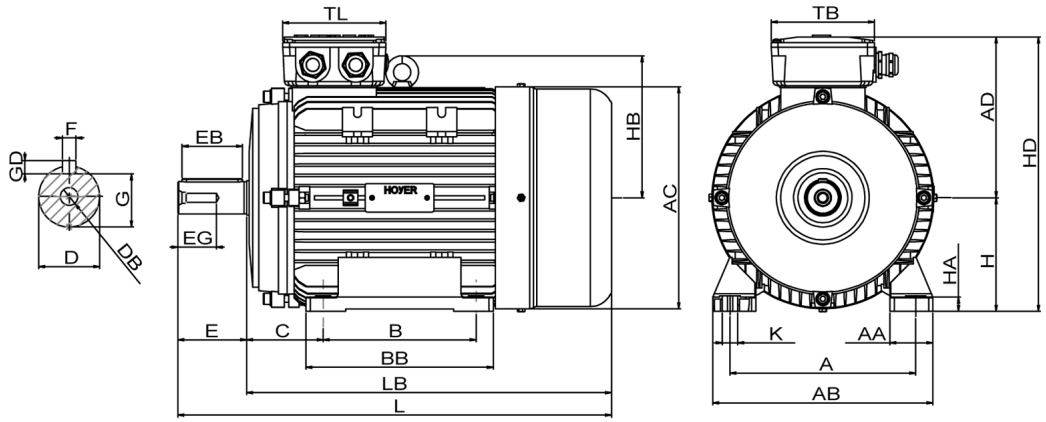
Data Sheet

Itemnumber....: 32413211009



A = 216	**AC = 258**	**BB = 218**	**DB = M12**	**EG = 30**	**GD = 8**	**HB = 165**	**L = 505**	**TL = 120**
AA = 50	**AD = 187**	**C = 89**	**E = 80**	**F = 10**	**H = 132**	**HD = 319**	**LB = 425**	
AB = 256	**B = 178**	**D = 38**	**EB = 70**	**G = 33**	**HA = 16,50**	**K = 12**	**TB = 120**	

Version
Type.....: HMA2 132M1-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design
Efficiency.....: IE2
Pole.....: 4
Power at 50 Hz (kW).....: 7,50
Hz.....: 60 (60 Hz output)
Voltage.....: 440VD
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 8,75
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.....: 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

Mechanical design
Frame size.....: 132
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).....: 62,0

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

Bearing
DE Bearing.....: 6308-ZZ/C3
NDE Bearing.....: 6308-ZZ/C3
Fixed bearing.....: DE

Terminal box
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M25x1,5
Ø11-17mm metal
Accessory.....: 1 x M20x1,5
Metal blindcap
Terminal board thread.....: 6-M5

Test values
Rotor inertia (kgm²).....: 0,043
Noise level (dB(A)).....: 65
No load current (A).....: 6,50
Winding resist. (ohm).....: 1,41
Starting time (sec.).....: 0,00
Temp. rise winding (K).....: 59
Temp. rise surface (K).....: 59

Rated power (kW)	7,50	7,30	9,00	8,75
Frequency (Hz)	50	50	60	60
Voltage (V)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	14,6 8,40	15,0 8,70	14,6 8,40	15,0
Speed (rpm)	1460	1460	1750	1750
Power factor cos(phi)	0,84	0,85	0,84	0,86
Efficiency, 100/75/50 (%)	88,7/ 89,2 /88,4	88,7/ 89,2 /88,4	88,7/ 89,2 /88,4	87,9/ 88,4 /87,6
Ist/In	9,10	8,05	9,10	8,40
Full load torque (Nm)	49,0	47,5	49,0	47,5
Tst/Tn	3,10	2,85	3,10	2,70
Tmax/Tn	3,00	2,80	3,00	2,60
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45