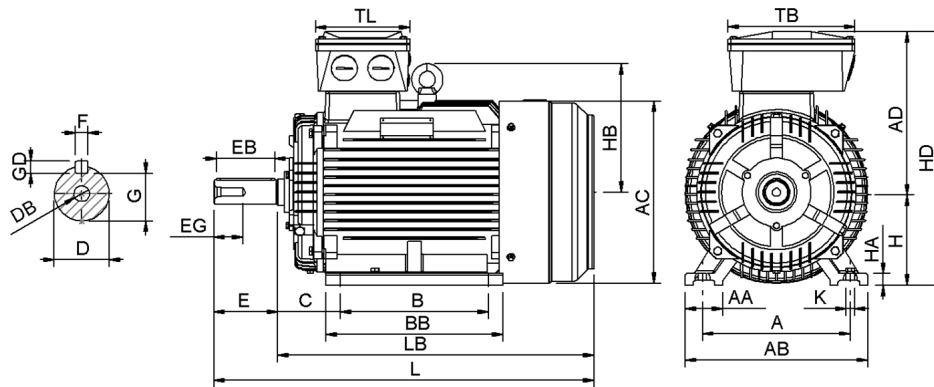


Data Sheet

Itemnumber.....: 5562000100



A = 318	AC = 396	BB = 369	DB = M20	EG = 50	GD = 10	HB = 264	L = 769	TL = 192
AA = 70	AD = 313	C = 133	E = 110	F = 16	H = 200	HD = 513	LB = 659	
AB = 388	B = 305	D = 55	EB = 100	G = 49	HA = 25	K = 18,50	TB = 260	

Version

Type.....: HMC3 200L1-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 6
Power at 50 Hz (kW).....: 18,5
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 18,5
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 200
Mounting.....: B3
Rain cap.....: No
Protection class.....: IP55
Cooling method.....: IC411/TEFC
External grounding.....: Yes
Drain hole.....: Yes
Frame material.....: Cast Iron
Material approval.....: None
Shaft.....: IEC standard
Key.....: Closed key
Balancing.....: Half key balancing
Vibration class.....: Grade-A
Weight (kg).....: 235

Environment condition

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

Bearing

DE Bearing.....: 6312/C3
NDE Bearing.....: 6312/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M50x1,5
Plastic blindcaps
Accessory.....: 2 x M20x1,5
Plastic blindcaps
Terminal board thread.....: 6-M8

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

Test values

Rotor inertia (kgm²).....: 0,42
Noise level (dB(A)).....: 68
No load current (A).....: 20,2
Winding resist. (ohm).....: 0,40
Starting time (sec.).....: 0,13
Temp. rise winding (K).....: 63
Temp. rise surface (K).....: 45

Rated power (kW)	18,5	18,0	22,2	21,6
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)	37,0 21,6	38,5 22,2	37,0 21,6	38,5
Speed (rpm)	980	980	1180	1180
Power factor cos(phi)	0,78	0,79	0,78	0,81
Efficiency, 100/75/50 (%)	91,7/ 91,7 /89,1	91,7/ 91,7 /89,1	91,7/ 91,7 /89,1	91,1/ 91,1 /88,3
Ist/In	6,50	5,70	6,50	6,00
Full load torque (Nm)	180	174	180	174
Tst/Tn	2,08	1,92	2,08	1,80
Tmax/Tn	2,60	2,40	2,60	2,24
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45