

# Data Sheet

Itemnumber.....: 5543551102



A = 610	AC = 699	BB = 750	DB = M24	EG = 56	GD = 14	HB = 489	L = 1537	TL = 330
AA = 116	AD = 664	C = 254	E = 170	F = 25	H = 355	HD = 1019	LB = 1367	
AB = 726	B = 630	D = 95	EB = 160	G = 86	HA = 52	K = 28	TB = 460	

## Version

Type.....: HMC3 355L-4  
Design.....: Induction motor  
Standard series.....: IEC 60034  
Phase / Voltage range.....: 3~ / Low

## Electrical design

Efficiency.....: IE3  
Pole.....: 4  
Power at 50 Hz (kW).....: 315  
Hz.....: 50  
Voltage.....: 400VD/690VY  
Winding voltage.....: 400VD/690VY 50 Hz  
Power output (kW).....: 315  
Duty.....: S1  
Insulation class.....: F  
Temperature rise.....: B

## Mechanical design

Frame size.....: 355  
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).....: 1.823

## Environment condition

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

## Bearing

DE Bearing.....: 6322/C3  
NDE Bearing.....: 6322/C3  
Fixed bearing.....: DE

## Terminal box

Tbox position.....: Top  
Cable entry direction.....: Right (from DE)  
Cable entry  
Main.....: 2 x M72x2,0  
Metal blindcaps  
Accessory.....: 2 x M20x1,5  
Metal blindcaps  
Terminal board thread.....: 6-M16

## 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).....: 10,8  
Noise level (dB(A)).....: 94  
No load current (A).....: 156  
Winding resist. (ohm).....: 0,0084  
Starting time (sec.).....: 0,44  
Temp. rise winding (K).....: 71  
Temp. rise surface (K).....: 44

Rated power (kW)	315	305	380	365
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)	530 310	545 315	530 310	545
Speed (rpm)	1490	1490	1790	1790
Power factor cos(phi)	0,90	0,90	0,90	0,91
Efficiency, 100/75/50 (%)	96,0/ 95,9 /95,1	96,0/ 95,9 /95,1	96,0/ 95,9 /95,1	95,7/ 95,6 /94,7
Ist/In	7,50	6,60	7,50	6,90
Full load torque (Nm)	2.020	1.960	2.020	1.960
Tst/Tn	2,30	2,14	2,30	2,00
Tmax/Tn	2,50	2,32	2,50	2,16
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45