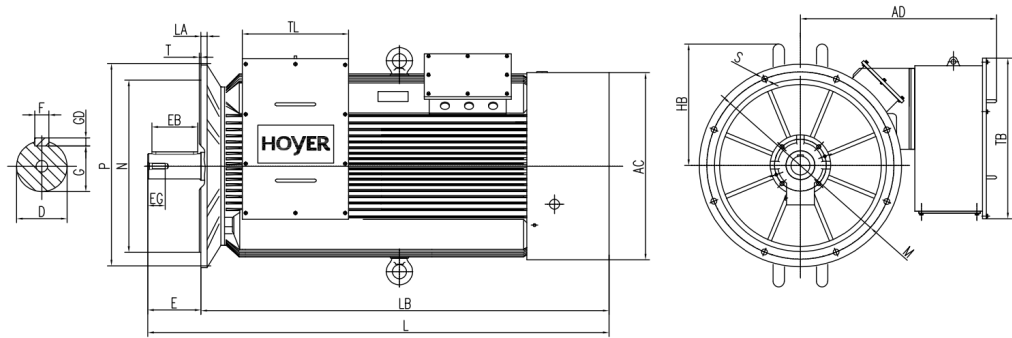


Data Sheet

Itemnumber....: 77635507100



|          |          |          |         |          |           |           |          |
|----------|----------|----------|---------|----------|-----------|-----------|----------|
| AC = 720 | D = 100  | EB = 180 | G = 90  | HB = 480 | LB = 1620 | P = 800   | TB = 635 |
| AD = 780 | DB = M24 | EG = 45  | GD = 16 | L = 1830 | M = 740   | S = 8-Ø24 | TL = 420 |
| C = 254  | E = 210  | F = 28   | H = 355 | LA = 25  | N = 680   | T = 6     |          |

|                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version</b><br>Type.....: HMCA2 355H-6<br>Design.....: Induction motor<br>Standard series.....: IEC 60034<br>Phase / Voltage range.....: 3~ / Medium                                                                                                                                                      | <b>Mechanical design</b><br>Frame size.....: 355<br>Mounting.....: V1<br>Rain cap.....: No<br>Protection class.....: IP55<br>Cooling method.....: IC411/TEFC<br>External grounding.....: Yes<br>Drain hole.....: Yes<br>Frame material.....: Cast Iron<br>Material approval.....: No<br>Shaft.....: IEC standard<br>Key.....: Closed key<br>Balancing.....: Half key balancing<br>Vibration class.....: Grade-A<br>Weight (kg).....: 2.200 | <b>Bearing</b><br>DE Bearing.....: 7322/C3<br>NDE Bearing.....: 6322/C3<br>Fixed bearing.....: NDE<br>Insulated NDE bearing fit...: Yes                                                                                                                              |
| <b>Electrical design</b><br>Efficiency.....: No class<br>Pole.....: 6<br>Power at 50 Hz (kW).....: 160,00<br>Hz.....: 50<br>Voltage.....: 3300V<br>Winding voltage.....: 3300VY 50 Hz<br>Power output (kW).....: 160<br>Duty.....: S1<br>Insulation class.....: F<br>Temperature rise.....: B                | <b>Environment condition</b><br>Ambient temp. min. (°C)...: -20<br>Ambient temp. max. (°C)...: 40<br>Altitude (mtr up to).....: 1000                                                                                                                                                                                                                                                                                                       | <b>Terminal box</b><br>Tbox position.....: Main:R Y:No Aux:R<br>Cable entry direction.....: Right (from DE)<br>Cable entry<br>Main.....: Mechanical interface<br>SST - plate<br>Auxiliary.....: 3 x M20x1,5<br>Metal blindcaps<br>Terminal board thread.....: M16    |
| <b>Motor protection</b><br>Thermal protection main....: 2x PTC 3x 155 dgr<br>Thermal protection second..: None<br>Space heater.....: 220V-230V 2x 100W<br>Temperature detector.....: 6 PT100 winding + 1 PT100 DE & 1 PT100 NDE bearing<br>SPM.....: No<br>IR wire.....: No<br>Tropical insulation.....: Yes |                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Test values</b><br>Rotor inertia (kgm²).....: 9,00<br>Noise level (dB(A)).....: 87<br>No load current (A).....: 12,6<br>Winding resist. (ohm).....: 0,75<br>Starting time (sec.).....: 0,41<br>Temp. rise winding (K).....: 50<br>Temp. rise surface (K).....: 35 |
| <b>Explosion protection</b><br>According to.....: None<br>Type of protection.....: None                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                      |
| <b>General</b><br>Direction of rotation.....: CW (CCW-Yes)<br>Painting.....: RAL 9005<br>Nameplate.....: 40 & 50 Ambient<br>Special packing.....: No<br>Special requirements.....: No                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                      |

|                               |                |                |
|-------------------------------|----------------|----------------|
| Rated power (kW) . . . . .    | 160            | 132            |
| Frequency (Hz) . . . . .      | 50             | 50             |
| Voltage (V) . . . . .         | 3300           | 3300           |
| Connection . . . . .          | Y              | Y              |
| Full load current (A) . . . . | 36,0           | 30,0           |
| Speed (rpm) . . . . .         | 990            | 990            |
| Power factor cos(phi) . . . . | 0,84           | 0,84           |
| Efficiency, 100/75/50 (%) . . | 93,3/93,3/92,8 | 93,3/93,4/92,8 |
| Ist/In . . . . .              | 5,20           | 6,30           |
| Full load torque (Nm) . . . . | 1.540          | 1.280          |
| Tst/Tn . . . . .              | 1,52           | 1,84           |
| Tmax/Tn . . . . .             | 2,20           | 2,65           |
| Duty . . . . .                | S1             | S1             |
| Ambient temp. (°C) . . . . .  | 40             | 50             |