

### Three-phase asynchronous motor

MOTOR FRAME: **Aluminium**

a company of



Motor type: **WU-DA100LR IE2 2P 3kW B3**  
Motor item number: **100W247200T**

Rated power:				<b>3 kW</b>					<b>kW</b>
Poles(Synch speed):				<b>2p (3000)</b>					<b>r.p.m</b>
Full load speed:				<b>2890</b>					<b>r.p.m</b>
Voltage:	<b>50 HZ data</b>	<b>230</b>	<b>/</b>	<b>400</b>					<b>V</b>
Frequency:				<b>50</b>					<b>Hz</b>
Connection:		<b>Δ</b>	<b>/</b>	<b>Y</b>					
Amps full load (FLA):		<b>10,2</b>	<b>/</b>	<b>5,9</b>					<b>A</b>
Amps no-load (NLA):									<b>A</b>
								<b>60 HZ data</b>	

Enclosure:	<b>IP55</b>								<b>Cable entries size: 2 x CM20</b>
Mounting:	<b>IM B3 (IM 1001)</b>								<b>Winding protection:</b>
Insulation Class:	<b>F</b>								<b>Max. Altitude: 1000 m.a.s.l.</b>
Max. ambient temp.:	<b>+40</b>			<b>°C</b>					<b>Heater: no</b>
Min. ambient temp.:	<b>-20</b>			<b>°C</b>					<b>Shaft extension: 28x60 mm</b>
Max. temp. rise:	<b>80</b>			<b>K</b>					<b>Weight: 24,3 kg</b>
Duty type:	<b>S1</b>								<b>Painting: Alkyd-Amin Resins Paint</b>
Cooling form:	<b>IC411 (TEFC)</b>								<b>Color: RAL 5021</b>
Bearing DE	<b>6206</b>			<b>ZZ C3</b>					<b>Box position: Top DE</b>
Bearing NDE	<b>6205</b>			<b>ZZ C3</b>					<b>Cable entry towards: Right</b>
Grease:	<b>Lithium or Polyurea Base</b>								<b>Cable type: N/A</b>
Regreasing facilities:	<b>NO</b>								<b>Balance grade: Normal</b>

Efficiency class:	<b>IE2</b>								<b>Sound pressure (1m): 60 dB(A)</b>
Load data:	<b>100%</b>	<b>75%</b>	<b>50%</b>						<b>Resistance R20: 1,48 PH</b>
Efficiency:	<b>84,6</b>	<b>82,7</b>	<b>75,2</b>						
Power factor:	<b>0,88</b>	<b>0,74</b>	<b>0,54</b>						

Full load torque (FLT):	<b>9,9</b>	<b>Nm</b>						<b>Pull out torque ratio: 3,1</b>	<b>MK/MN</b>
Starting torque ratio:	<b>3,1</b>	<b>MA/MN</b>						<b>Pull up torque: 2,4</b>	<b>MS/MN</b>
Starting current ratio:	<b>8,1</b>	<b>IA/IN</b>						<b>Rotor inertia WK2: 0,005</b>	<b>kgm<sup>2</sup></b>

Special remarks:

#### SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:		Temp. Class:	
Certificate number:		t <sub>E</sub> time:	<b>sek</b>

Special remarks: