

### Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **TWU-DF180LJ-D IE2 4P 22kW B5**  
Motor item number: **180W477511T**

Rated power:	<b>22 kW</b>				<b>kW</b>
Poles(Synch speed):	<b>4p (1500) r.p.m</b>				<b>r.p.m</b>
Full load speed:	<b>1470 r.p.m</b>				<b>r.p.m</b>
Voltage:	<b>400</b>	<b>/</b>	<b>690</b>	<b>V</b>	<b>V</b>
Frequency:	<b>50 Hz</b>				<b>Hz</b>
Connection:	<b>Δ</b>	<b>/</b>	<b>Y</b>		
Amps full load (FLA):	<b>41</b>	<b>/</b>	<b>23,7</b>	<b>A</b>	<b>A</b>
Amps no-load (NLA):					<b>A</b>

Enclosure:	<b>IP55</b>		Cable entries size:	<b>2 x CM32</b>
Mounting:	<b>IM B5 (IM 3001)</b>		Winding protection:	
Insulation Class:	<b>F</b>		Max. Altitude:	<b>1000 m.a.s.l.</b>
Max. ambient temp.:	<b>+40 °C</b>		Heater:	<b>no</b>
Min. ambient temp.:	<b>-20 °C</b>		Shaft extension:	<b>48x110 mm</b>
Max. temp. rise:	<b>80 K</b>		Weight:	<b>kg</b>
Duty type:	<b>S1</b>		Painting:	<b>Argus</b>
Cooling form:	<b>IC411 (TEFC)</b>		Color:	<b>RAL 5021</b>
Bearing DE	<b>6310 ZZ C3</b>		Box position:	<b>Top DE</b>
Bearing NDE	<b>6308 ZZ C3</b>		Cable entry towards:	<b>Right</b>
Grease:	<b>Lithium or Polyurea Base</b>		Cable type:	<b>N/A</b>
Regreasing facilities:	<b>NO</b>		Balance grade:	<b>Normal</b>

Efficiency class:				Sound pressure (1m):	<b>62 dB(A)</b>
Load data:	<b>100%</b>	<b>75%</b>	<b>50%</b>	Resistance R20:	<b>0,36 PH</b>
Efficiency:	<b>91,6</b>	<b>92,1</b>	<b>91,6</b>		
Power factor:	<b>0,86</b>	<b>0,83</b>	<b>0,71</b>		

Full load torque (FLT):	<b>142,9 Nm</b>	Pull out torque ratio:	<b>2,9 MK/MN</b>
Starting torque ratio:	<b>2,6 MA/MN</b>	Pull up torque:	<b>2,0 MS/MN</b>
Starting current ratio:	<b>7,6 IA/IN</b>	Rotor inertia WK2:	<b>0,19 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: