

**GD0722-03-2021 - Technical Data****DKCFX 3517-2**10
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1 / 3**Asynchronous motor with squirrel cage rotor and surface cooling****Overall**

Rated power (kW)	270,0
Service factor	1,00
Rated voltage (V)	6.600 ± 5 %
Number of Poles	2
Rated frequency (Hz)	50,00 ± 1 %
Rated speed (rpm)	2.976,0
Rated torque (Nm)	866,4
Duty	S1
Rated current (A)	29
suitable for converter feed	no
Insulation class / temp. rise	F/B
Efficiency (%) at 4/4 load	94,50
Power factor at 4/4 load	0,90
Break down torque MK/MN	3,10
Starting current IA/IN	6,30
Starting torque MA/MN	1,20
Moment of inertia (kgm ²)	5,50
Ext. moment of inertia (kgm ²)	not given
Load curve for starting	not given
Starting	D.O.L.
Perm. starts per hour, c/w	3 / 2

Design

Frame size (mm)	355
Method of cooling	IC 411
Type of cooler	without
Max. temp. cooling medium °C	40
Direction of rotation	one, CW
Winding connection	star
Enclosure, motor/terminal box	IP 55 / 55
Type of Construction	IM 1001
Weight (kg), appr.	2.900,0
Sound pressure level (dB(A))	82 +3 (no load)
Info about Ex Zone	ZONE 2
Classification of Areas	Ex d acc. EN60079-1
Temperature Class	T2 300°C

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2 / 3**Explosion Group****IIA Gases and vapours****Bearings**

Bearings	antifriction bearings
Lubrication	grease lubricated
Max. rotor end float (mm)	0
Vibration severity (mm/s)	2,3

Miscellaneous

Ambient temp., min./max. °C	-20...+40
Site altitude (m), max.	1.000
Documentation	User manual (electronically)
Color	RAL 7031
Paint	C3
Installation site	outdoor
Standards	IEC / EN / DIN / VDE
Other standards	ATEX
Tests	routine test, unwitnessed

Accessories**Winding:**

- 3x2 slot resistance thermometers PT100, without surge arresters for 3- or 4 wire connection from terminals
- space heater 220-240V

Bearings:

- 1 PT100 per bearing

Terminal boxes:

- main terminal box
- additional terminal box for temperature detection (winding + bearing)
- additional terminal box for space heater

Others:

- ATEX certification-No. CNEX 19ATEX 0001X
- IECEx-No. IECEx certificate CNEX190001X



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Remarks

Rated power at nameplate will be 280kW acc. Ex certification.

Non-active motor parts fabricated in China, active motor parts made in Europe, final assembly and FAT in Germany.

Due to the missing information about the driven machine a detailed dimensioning of the motor could not be performed. As a result another size of motor with a different price might be necessary for the requested application.