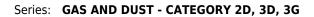


## **MOTOR DATA SHEET**

Motor type: **3Sg180M4-(2D,3D)** 





27-04-2024

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	18.5	25	S1	32.7	1465	121	2.3	2.9	6.9	90.3	90.9	90.8	0.82	0.88	0.9

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	68		
Frame size	180	Sound power level [dB]	78		
Number of poles	4	Terminal box position	top		
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	63112Z		
Frequency converter supply	on demand	Bearing on ND-side	63112Z		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no		
Cooling method	IC411	Housing - material	cast iron		
Weight [kg]	205	Feet - material	cast iron		
Moment of inertia [kgm2]	0.11	Bearing shields - material	cast iron		
Direction of rotation	CW/CCW	Painting	RAL5010		
Degree of protection	IP66 (2D) / IP56 (3D)	Climatic execution	N		

ENVIRONMENTAL CONDITIONS					
Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000		
Relative humidity [%]	up to 95				

ACCESSORY						
Number of terminals or cables	6	Temperature sensors in bearings	1 x PTC (D-side)			
Cable glands/inlets	2 + 1	Winding heaters	on demand			
Temperature sensors in winding	3 x PTC	Optional accessories	on demand			

STANDARDS
EN 60034-1, EN 60079-0, EN 60079-15, EN 60079-31

CERTIFICATES	
ATEX	

ADDITIONAL INFO						
Ex marking	II 2D,3D Ex t IIIC,IIIB T100°C Db / II 3G ExnA II					
	T5 Gc					

