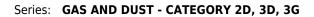


## **MOTOR DATA SHEET**

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





27-04-2025

							ELECTI	RICAL	PARAN	1ETER:	S						
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	Nm	-	-	-	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	0.90

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 (IMB3) [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					

