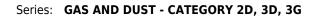


MOTOR DATA SHEET

Motor type: 3Sg180M2-(2D,3D)





04-05-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	D	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	22	30	S1	39	2945	71	2.7	2.6	6.8	90.5	91.8	91.5	0.77	0.84	0.89

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	75		
Frame size	180	Sound power level [dB]	85		
Number of poles	2	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]	210	Feet - material	cast iron		
Moment of inertia [kgm2]	0.07	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					
LX marking	T100°C Db / II 3G ExnA II					
•	T5 Gc					

