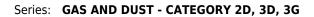


MOTOR DATA SHEET

Motor type: **2Sg280M6-(2D,3D)**





27-04-2025

	ELECTRICAL PARAMETERS																
U	CONN.	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	55	75	S1	95	985	533	2.2	2.2	6.2	93.2	93.5	93.5	0.84	0.88	0.89

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	68		
Frame size	280	Sound power level [dB]	78		
Number of poles	6	Terminal box position	on right side		
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	6317C3		
Frequency converter supply	on demand	Bearing on ND-side	6317C3		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	600	Feet - material	cast iron		
Moment of inertia [kgm2]	1.61	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	2 x PTC (1pc/bearing)		
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 Illarking	T100°C Db / II 3G ExnA II				
	T5 Gc				

