



2052221 - 11kw MOTOR

TECHNICAL SPECIFICATION OF ELECTRIC MOTOR	
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Series:	EX - Chemical industry - Gas and Dust - category 2D, 3D, 3G
Motor type:	3Sg180L8-(2D,3D)

ELECTRICAL PARAMETERS																	
U	CONN.	f	P		Duty	I	n	T	T <sub>L</sub> /T	T <sub>B</sub> /T	I <sub>L</sub> /I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	11	15	S1	23.6	730	144	1.9	2.5	5.5	87.0	88.6	88.5	0.57	0.69	0.76

GENERAL DATA				ACCESSORY			
Frame size	180			Number of terminals or cables	6		
Number of poles	8			Cable glands/inlets	2 + 1		
Starting method	DOL or Y/Δ			Temperature sensors in winding	3 x PTC		
Insulation class	F			Temperature sensors in bearings	1 x PTC (D-side)		
Frequency converter supply	on request			Winding heaters	on request		
Mounting arrangement	✓ IMB3/B5/B65			Optional accessories	on request		
Cooling method	IC411			STANDARDS			
Weight [kg]	208						
Moment of inertia [kgm <sup>2</sup> ]	0.19			Standards	EN 60034-1, EN 60079-0, EN 60079-15, EN 60079-31		
Direction of rotation	CW/CCW			CERTIFICATES			
Sound pressure level [dB]	58						
Sound power level [dB]	68			Certificates	ATEX		
Degree of protection	IP66 (2D) / <del>IP56</del> (3D)			EX MARKING			
Terminal box position	top						
Possibility of terminal box rotation	yes			Ex marking	II 2D,3D Ex t IIIC,IIIB T100°C Db / II 3G ExnA II T5 Gc		
Bearing on D-side	63112Z						
Bearing on ND-side	63112Z						
Bearings regreasing	no						
Housing - material	cast-iron						
Feet - material	cast-iron						
Bearing shields - material	cast-iron						
Painting	RAL5010						
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						

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① shall be IP65 or IP66  
 ② IMB3