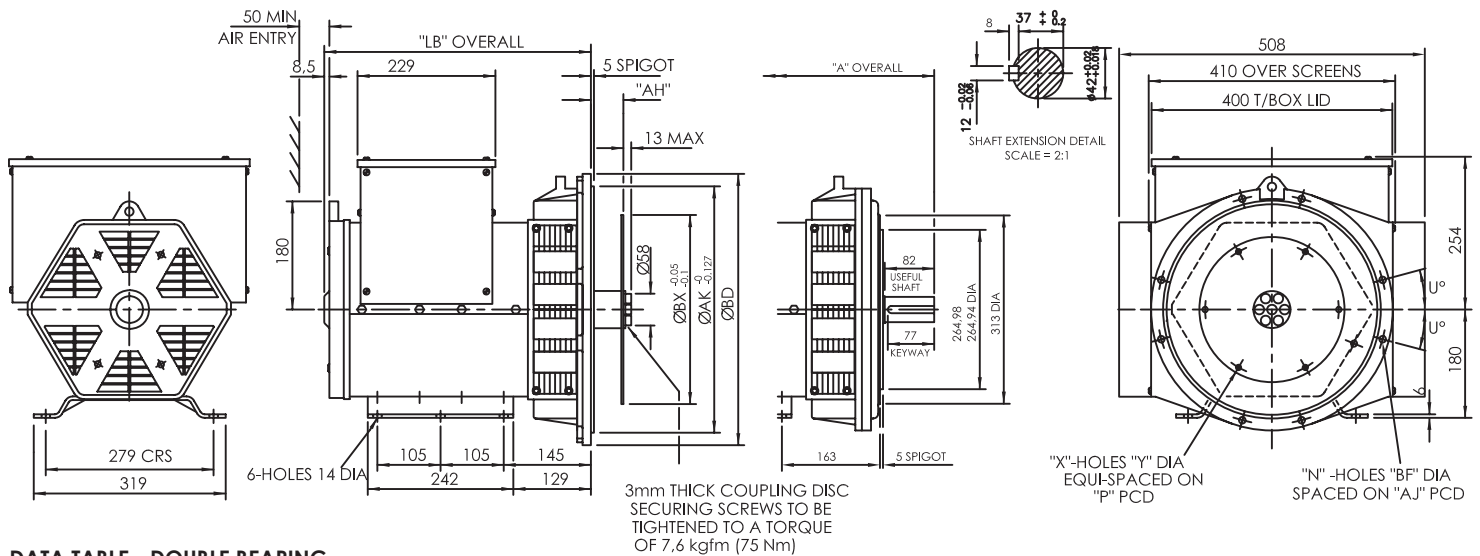


REACTANCE-TIME CONSTANT(s) H CLASS

SMM180 B/C/DS/D/E/F

60Hz @ 480V		SMM180B	SMM180C	SMM180DS	SMM180D	SMM180E	SMM180F			
Xd	Direct axis synchro. reactance unsaturated	1.281	1.281	1.406	1.406	1.426	1.567			
X'd	Direct axis transient reactance saturated	0.130	0.130	0.142	0.142	0.144	0.118			
X''d	Direct axis sub transient reactance saturated	0.082	0.082	0.090	0.090	0.091	0.065			
Xq	Quadra. Axis synchro. reactance unsaturated	0.635	0.635	0.696	0.696	0.706	0.755			
X''q	Quadra. Axis sub transient reactance saturated	0.143	0.143	0.157	0.157	0.159	0.133			
X2	Negative sequence reactance unsaturated	0.116	0.116	0.128	0.128	0.130	0.099			
Xo	Zero sequence reactance unsaturated	0.055	0.055	0.060	0.060	0.062	0.027			
T'd	Short-Circuit transient time constant	0.02s	0.02s	0.02s	0.02s	0.020	0.24s			
T''d	Sub transient time constant	0.005s	0.005s	0.005s	0.005s	0.005s	0.015s			
T'do	Open circuit time constant	0.4s	0.4s	0.4s	0.4s	0.5s	0.57s			
Ta	Armature time constant	0.006s	0.006s	0.006s	0.006s	0.006s	0.0095s			
Kcc	Short circuit ratio	0.781	0.781	0.711	0.711	0.701	0.500			

OUTLINE DRAWING



DATA TABLE - DOUBLE BEARING

Dimension (mm)	Double BRG	Weight		Packing
		Net(kg)	Gross(kg)	
Model	A			L x W x H (mm)
SMM180B	551.5	118	146	1120x680x700
SMM180C	551.5	126	154	1120x680x700
SMM180DS	641.5	141	169	1120x680x700
SMM180D	641.5	144	172	1120x680x700
SMM180E	641.5	170	198	1120x680x700
SMM180F	701.5	183	218	1120x680x700

DATA TABLE - SINGLE BEARING

Dimension (mm)	SAE 2	SAE 3	SAE 4/5	Weight		Packing
				Net(kg)	Gross(kg)	
Model	LB	LB	LB			L x W x H (mm)
SMM180B	470.5	443.5	431.5	115	143	1120x680x700
SMM180C	470.5	443.5	431.5	123	151	1120x680x700
SMM180DS	560.5	533.5	521.5	138	166	1120x680x700
SMM180D	560.5	533.5	521.5	145	173	1120x680x700
SMM180E	560.5	533.5	521.5	167	195	1120x680x700
SMM180F	620.5	593.5	581.5	185	215	1120x680x700

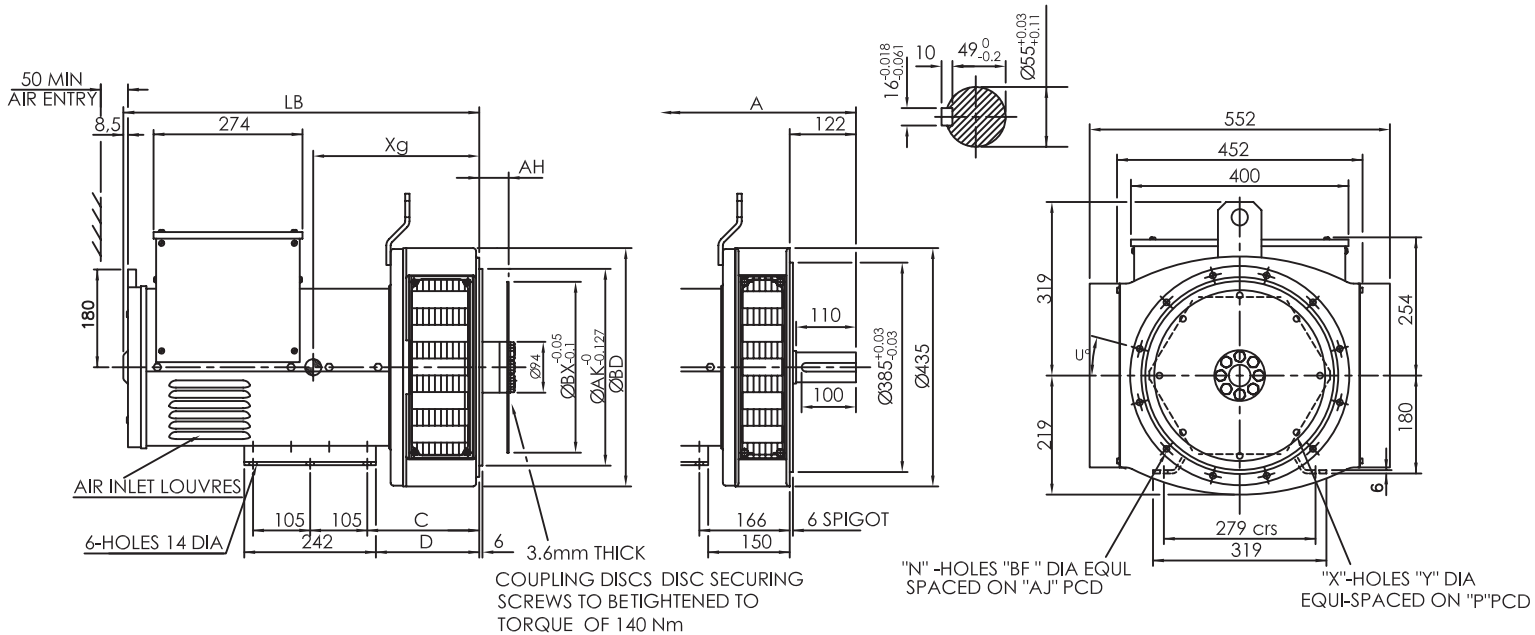
Flange (mm)									Disc(mm)					
SAE#	BD	AK	AJ	BF	N	U°	C	D	SAE#	BX	P	X	Y	AH
SAE 5	356	314.32	333.38	11	8	22.5	133	117	11.5	352.42	333.38	8	11	39.6
SAE 4	402	361.95	381.00	11	8	15	133	117	10	314.32	295.28	8	11	53.8
SAE 3	451	409.58	428.62	11	8	15	145	129	8	263.52	244.48	6	11	62
SAE 2	489	447.68	466.72	11	12	15	172	156	7.5	241.30	222.25	8	9	30.2
									6.5	215.90	200.02	6	9	30.2

REACTANCE-TIME CONSTANT(s) H CLASS

SMM180G

60Hz @ 480V		SMM180G								
Xd	Direct axis synchro. reactance unsaturated	1.424								
X'd	Direct axis transient reactance saturated	0.108								
X''d	Direct axis sub transient reactance saturated	0.063								
Xq	Quadra. Axis synchro. reactance unsaturated	0.685								
X''q	Quadra. Axis sub transient reactance saturated	0.120								
X2	Negative sequence reactance unsaturated	0.009								
Xo	Zero sequence reactance unsaturated	0.027								
Td	Short-Circuit transient time constant	0.0025s								
T'd	Sub transient time constant	0.016s								
T'do	Open circuit time constant	0.59s								
Ta	Armature time constant	0.0102s								
Kcc	Short circuit ratio	0.702								

OUTLINE DRAWING



DATA TABLE - DOUBLE BEARING

Dimension (mm)	Double BRG	Weight		Packing
		Net(kg)	Gross(kg)	
Model	A			L x W x H (mm)
SMM180G	736.5	215	244	1120x800x750

DATA TABLE - SINGLE BEARING

Dimension (mm)	SAE 2	SAE 3	Weight		Packing
			Net(kg)	Gross(kg)	
Model	LB	LB			L x W x H (mm)
SMM180G	668.8	654.5	210	236	1120x800x750

Flange (mm)									Disc(mm)					
SAE#	BD	AK	AJ	BF	N	U°	C	D	SAE#	BX	P	X	Y	AH
SAE 5	356	314.32	333.38	11	8	22.5	133	117	11.5	352.42	333.38	8	11	39.6
SAE 4	402	361.95	381.00	11	8	15	133	117	10	314.32	295.28	8	11	53.8
SAE 3	451	409.58	428.62	11	8	15	145	129	8	263.52	244.48	6	11	62.0
SAE 2	489	447.68	466.72	11	12	15	172	156	7.5	241.30	222.25	8	9	30.2
									6.5	215.90	200.02	6	9	30.2