



YDSFI184 / 182 series Brushless Alternator



YDSFI184 series Rating Book

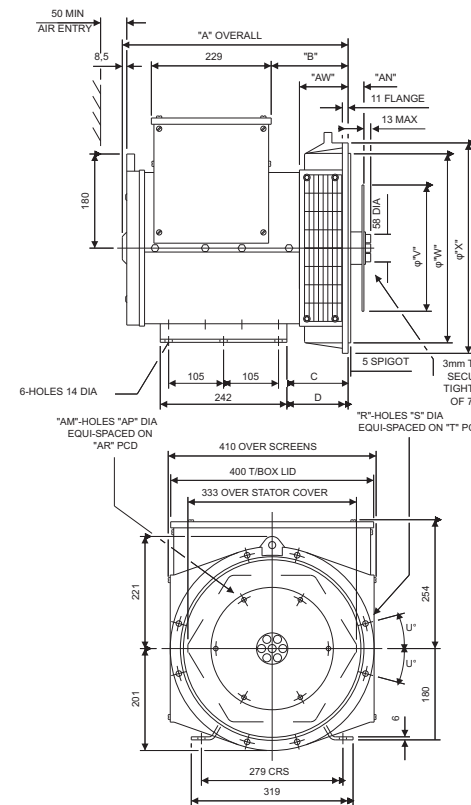
YDSF184 3-Phase Industrial Generator																			
		3-Phase 50Hz 1500RPM								3-Phase 60Hz 1800RPM									
Voltage		Class H Temperature Rise(125℃)				Class F Temperature Rise(105℃)				Class H Temperature Rise(125℃)					Class F Temperature Rise(105℃)				
Series Star		380	400	415	440	380	400	415	440	416	440	460	480	600	416	440	460	480	600
Parallel Star		190	200	208	220	190	200	208	220	208	220	230	240	300	208	220	230	240	300
Series Delta		220	230	240	254	220	230	240	254	240	254	266	277	346	240	254	266	277	346
YDSF1184E	Rated Volume(KVA)	22.5	22.5	22.5	22.5	20.0	20.0	20.0	20.0	27.5	28.8	28.8	30.3	30.3	25.0	26.3	26.3	28.1	28.1
	Rated Power(KW)	18.0	18.0	18.0	18.0	16.0	16.0	16.0	16.0	22.0	23.0	23.0	24.0	24.0	20.0	21.0	21.0	22.5	22.5
	Efficiency(%)	84.3	84.9	85.3	85.8	84.9	85.4	85.7	86.1	83.8	84.3	84.9	85.2	85.6	84.4	84.8	85.3	85.5	85.9
YDSF1184F	Rated Volume(KVA)	27.5	27.5	27.5	27.5	25.0	25.0	25.0	25.0	32.5	34.4	34.4	35.0	35.0	30.0	31.3	31.3	32.5	32.5
	RATED Power(KW)	22.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	26.0	27.5	27.5	28.0	28.0	24.0	25.0	25.0	26.0	26.0
	Efficiency(%)	85.7	86.2	86.5	87.0	86.2	86.6	86.9	87.2	85.5	85.9	86.4	86.7	87.0	85.9	86.3	86.7	86.9	87.2
YDSF1184G	Rated Volume(KVA)	31.3	31.3	31.3	31.3	29.0	29.0	29.0	29.0	35.0	37.5	37.5	37.5	37.5	31.3	34.4	34.4	34.4	34.4
	Rated Power(KW)	25.0	25.0	25.0	25.0	23.2	23.2	23.2	23.2	28.0	30.0	30.0	30.0	30.0	25.0	27.5	27.5	27.5	27.5
	Efficiency(%)	86.6	87.0	87.3	87.6	86.9	87.3	87.5	87.7	86.7	87.0	87.3	87.6	87.8	87.1	87.3	87.6	87.8	88.0

YDSFI182 series Rating Book

YDSF182 Industrial Generator															
		3-Phase 50Hz 3000RPM				3-Phase 60Hz 3600RPM				1-Phase 50Hz 3000RPM			1-Phase 60Hz 3600RPM		
Voltage		Class H Temperature Rise 125℃								Class H Temperature Rise 125℃					
Series Star		380	400	415	440	416	440	460	480	220	230	240	220	230	240
Parallel Star		190	200	208	220	208	220	230	240	110	115	120	110	115	120
Series Delta		220	230	240	254	240	254	266	277	--	--	--	--	--	--
YDSF.1182H	Rated Volume(KVA)	30.0	30.0	30.0	29.0	35.4	37.5	37.5	37.5	20.0	20.0	20.0	24.8	24.8	24.8
	Rated Power(KW)	24.0	24.0	24.0	23.2	28.3	30.0	30.0	30.0	16.0	16.0	16.0	19.8	19.8	19.8
	Efficiency(%)	81.2	81.9	82.3	83.0	80.3	80.9	81.5	82.0	77.2	77.6	77.9	75.0	75.6	76.2
YDSF.1182J	Rated Volume(KVA)	35.0	35.0	35.0	34.0	41.3	43.8	43.8	43.8	23.5	23.5	23.5	28.9	28.9	28.9
	Rated Power(KW)	28.0	28.0	28.0	27.2	33.0	35.0	35.0	35.0	18.8	18.8	18.8	23.1	23.1	23.1
	Efficiency(%)	82.3	83.0	83.4	84.0	81.5	82.1	82.6	83.1	78.5	78.9	79.2	76.5	77.1	77.6
YDSF.1182K	Rated Volume(KVA)	37.5	37.5	37.5	36.3	44.4	46.9	46.9	46.9	25.0	25.0	25.0	31.0	31.0	31.0
	Rated Power(KW)	30.0	30.0	30.0	29.0	35.5	37.5	37.5	37.5	20.0	20.0	20.0	24.8	24.8	24.8
	Efficiency(%)	84.3	84.7	85.0	85.4	83.5	84.0	84.4	84.7	80.4	80.6	80.8	78.8	79.2	76.6

Note: The alternator have been designed for use in a maximum ambient temperature of 40°C and altitude less than 1000m above sea level
Marine rating is based on the ambient temperature 45°C, continuous operation. So alternator be design to 4-pole.
All the voltage from above table are available from the wide range winding, That is through reconnectable 12 lead(3-phase) and 4 lead(single-phase) obtained.
Other voltage alternator manufactured according to customer needs.

YDSFI184 / 182 series External Dimension



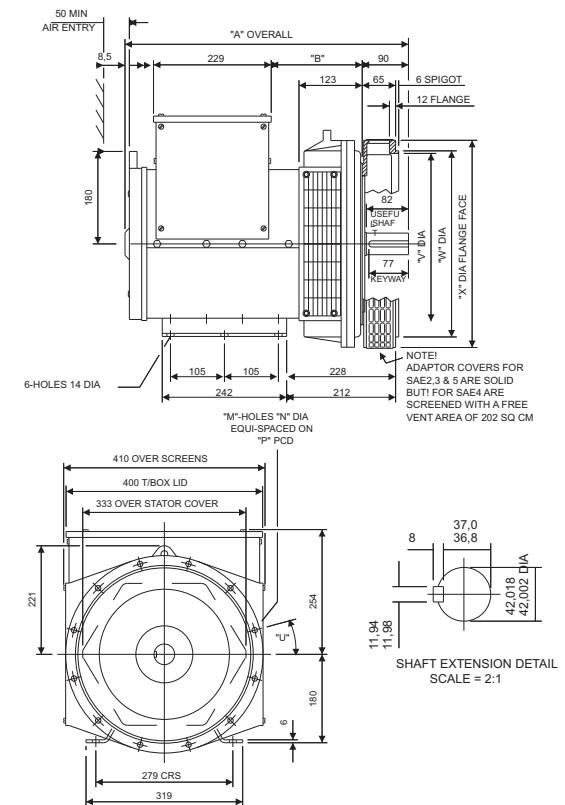
YDSFI184E-G / 182H-K SINGLE-BEARING

DIMENSIONS		
FRAME	"A"	"B"
YDSFI184E	431.5	147
YDSFI184F	521.5	237
YDSFI184G	521.5	237
YDSFI182H	481.5	197
YDSFI182J	481.5	197
YDSFI182K	521.5	237

ADAPTOR DIMENSIONS									
SAE	"AW"	R	S	T	U°	W	X	C	D
2	132.3	12	11	466.7	15°	447.6	489	172	156
3	105	8	11	428.6	15°	409.5	451	145	129
4	93	8	11	381.0	15°	361.9	402	133	117
5	93	8	11	333.3	22.5°	314.3	356	133	117
6*	124.7	8	11	285.8	22.5°	266.7	308	164.7	148.7

COUPLING DISC					
SAE	"AN"	"AM"	"AP"	"AR"	"V"
6.5	30.16	6	8.7	200	215.8
7.5	30.16	8	8.7	222.2	241.2
8	61.9	6	10.3	244.5	263.4
10	53.98	8	10.3	295.3	314.2
11.5	39.68	8	11	333.4	352.3

SHIPPING SIZE			
MODEL	N.W	G.W	DIMENSION
YDSFI184E1	120	133	580*550*590
YDSFI184F1	150	162	580*550*590
YDSFI184G1	156	172	670*550*590
YDSFI182H1	130	140	740*550*590
YDSFI182J1	143	153	740*550*590
YDSFI182K1	159	169	740*550*590



YDSFI184E-G / 182H-K DOUBLE-BEARING

DIMENSIONS		
FRAME	"A"	"B"
YDSFI184E	551.5	177
YDSFI184F	641.5	267
YDSFI184G	641.5	267
YDSFI182H	601.5	177
YDSFI182J	601.5	227
YDSFI182K	641.5	267

ADAPTOR DIMENSIONS							
SAE	"M"	"N"	"P"	"U"	"V"	"W"	"X"
1	12	12.7	530.2	15°	500	511.17	553
2	12	11	466.7	15°	432	447.6	495
3	12	11	428.6	15°	396	409.5	451
4	12	11	381.0	15°	352	361.9	403
5	8	11	333.3	22.5°	301	314.3	356

SHIPPING SIZE			
MODEL	N.W	G.W	DIMENSION
YDSFI184E2	131	141	670*550*590
YDSFI184F2	154	164	740*550*590
YDSFI184G2	170	180	740*550*590
YDSFI182H2	137	147	800*550*590
YDSFI182J2	150	160	800*550*590
YDSFI182K2	166	176	800*550*590