

The Flow Rate and Power Dissipation of Shihlin Inverters

(Released Date: 20240425 Version: Ver1.00)

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz,100% load
			CFM	m ³ /hr	
SS2	A	SS2-021-0.4K	—	—	29
		SS2-021-0.75K	17.5	29.7	47
		SS2-023-0.4K	—	—	30
		SS2-023-0.75K	17.5	29.7	53
		SS2-023-1.5K	17.5	29.7	86
		SS2-043-0.4K	—	—	27
		SS2-043-0.75K	—	—	55
		SS2-043-1.5K	17.5	29.7	80
	B	SS2-021-1.5K	17.5	29.7	77
		SS2-021-2.2K	18.7	31.7	114
		SS2-023-2.2K	18.7	31.7	106
		SS2-023-3.7K	18.7	31.7	171
		SS2-043-2.2K	17.5	29.7	105
		SS2-043-3.7K	18.7	31.7	141
		SS2-043-5.5K	18.7	31.7	212
SL3	A	SL3-021-0.4K	14.7	25.0	26
		SL3-021-0.75K	14.7	25.0	42
		SL3-021-1.5K	14.7	25.0	80
	B	SL3-021-2.2K	17.2	29.2	118
		SL3-043-0.4K	14.7	25.0	32
		SL3-043-0.75K	14.7	25.0	44
		SL3-043-1.5K	14.7	25.0	60
		SL3-043-2.2K	14.7	25.0	87

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz, 100% load
			CFM	m ³ /hr	
SC3	A	SC3-021-0.2K	—	—	20
		SC3-021-0.4K	8.8	15.0	27
		SC3-021-0.75K	8.8	15.0	43
		SC3-023-0.2K	—	—	19
		SC3-023-0.4K	8.8	15.0	30
		SC3-023-0.75K	8.8	15.0	51
		SC3-023-1.5K	8.8	15.0	72
		SC3-043-0.4K	—	—	26
		SC3-043-0.75K	8.8	15.0	42
		SC3-043-1.5K	8.8	15.0	74
	B	SC3-021-1.5K	18.7	31.7	77
		SC3-021-2.2K	18.7	31.7	107
		SC3-023-2.2K	18.7	31.7	100
		SC3-023-3.7K	18.7	31.7	135
		SC3-043-2.2K	18.7	31.7	103
		SC3-043-3.7K	18.7	31.7	143
		SC3-043-5.5K	18.7	31.7	220
	C	SC3-043-7.5K/11KF	51.7	87.9	263
		SC3-043-11K/15KF	51.7	87.9	320
	D	SC3-043-15K/18.5KF	69.3	117.8	489
		SC3-043-18.5K/22KF	69.3	117.8	538
		SC3-043-22K	133.9	227.6	676

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz, 100% load
			CFM	m ³ /hr	
SF3	A	SF3-043-5.5K/3.7KG	15.0	25.5	247
		SF3-043-7.5K/5.5KG	15.0	25.5	277
	B	SF3-043-11K/7.5KG	79.7	135.4	422
		SF3-043-15K/11KG	79.7	135.4	480
		SF3-043-18.5K/15KG	79.7	135.4	530
	C	SF3-043-22K/18.5KG	82.0	139.4	806
		SF3-043-30K/22KG	82.0	139.4	810
		SF3-043-37K/30G	82.0	139.4	990
		SF3-043-45K/37KG	82.0	139.4	1,485
	D	SF3-043-55K/45KG	287.5	488.8	1,613
		SF3-043-75K/55KG	380.0	646.0	2,025
		SF3-043-90K/75KG	380.0	646.0	2,673
	E	SF3-043-110K/90KG	380.0	646.0	2,903
		SF3-043-132K/110KG	380.0	646.0	3,645
	F	SF3-043-160K/132KG	450.4	765.6	4,500
		SF3-043-185K/160KG	450.4	765.6	5,760
	G	SF3-043-220K/185KG	950.7	1616.2	6,138
		SF3-043-250K/220KG	950.7	1616.2	6,975
		SF3-043-280K/250KG	950.7	1616.2	7,866
	H	SF3-043-315K/280KG	1267.6	2155.0	8,100
		SF3-043-355K/315KG	1267.6	2155.0	9,270

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz,100% load
			CFM	m ³ /hr	
SA3	A	SA3-023-0.75K/1.5KF	—	—	92
		SA3-023-1.5K/2.2KF	13.5	23.0	112
		SA3-023-2.2K/3.7KF	13.5	23.0	122
		SA3-023-3.7K/5.5KF	13.5	23.0	175
		SA3-043-0.75K/1.5KF	—	—	59
		SA3-043-1.5K/2.2KF	13.5	23.0	85
		SA3-043-2.2K/3.7KF	13.5	23.0	105
		SA3-043-3.7K/5.5KF	13.5	23.0	156
		SA3-043-5.5K/7.5KF	13.5	23.0	196
	B	SA3-023-5.5K/7.5KF	80.0	136.0	249
		SA3-023-7.5K/11KF	80.0	136.0	292
		SA3-023-11K/15KF	80.0	136.0	544
		SA3-043-7.5K/11KF	80.0	136.0	283
		SA3-043-11K/15KF	80.0	136.0	388
		SA3-043-15K/18.5KF	80.0	136.0	522
	C	SA3-023-15K/18.5KF	120.0	204.0	603
		SA3-023-18.5K/22KF	120.0	204.0	607
		SA3-043-18.5K/22KF	120.0	204.0	616
		SA3-043-22K/30KF	120.0	204.0	772
		SA3-043-30K/37KF	120.0	204.0	786
	D	SA3-023-22K/30KF	276.8	470.6	891
		SA3-023-30K/37KF	276.8	470.6	1215
		SA3-023-37K/45KF	276.8	470.6	1499
		SA3-043-37K/45KF	276.8	470.6	990
		SA3-043-45K/55KF	276.8	470.6	1260
		SA3-043-55K/75KF	276.8	470.6	1260
		SA3-043-75K/90KF	276.8	470.6	1998

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz, 100% load
			CFM	m ³ /hr	
SA3	E	SA3-023-45K/55KF	276.8	470.6	1544
		SA3-023-55K/75KF	276.8	470.6	1888
		SA3-043-90K/110KF	276.8	470.6	2250
		SA3-043-110K/132KF	276.8	470.6	3501
	F	SA3-023-75K/90KF	415.2	705.8	2574
		SA3-043-132K/160KF	415.2	705.8	3600
	G	SA3-023-90K/110KF	950.7	1616.2	3089
		SA3-023-110K/132KF	950.7	1616.2	3775
		SA3-043-160K/185KF	950.7	1616.2	3996
		SA3-043-185K/220KF	950.7	1616.2	4500
		SA3-043-220K/250KF	950.7	1616.2	6302
		SA3-043-250K/280KF	950.7	1616.2	7002
	H	SA3-043-280K/315KF	1267.6	2155.0	7200
		SA3-043-315K/355KF	1267.6	2155.0	8253
SE3	A	SE3-021-0.4K	—	—	31
		SE3-021-0.75K	11.0	18.7	45
		SE3-023-0.4K	—	—	33
		SE3-023-0.75K	11.0	18.7	49
		SE3-023-1.5K	11.0	18.7	81
		SE3-043-0.4K	—	—	38
		SE3-043-0.75K	11.0	18.7	52
		SE3-043-1.5K	11.0	18.7	79
	B	SE3-021-1.5K	17.1	29.1	82
		SE3-021-2.2K	17.1	29.1	113
		SE3-023-2.2K	17.1	29.1	110
		SE3-023-3.7K	17.1	29.1	177
		SE3-043-2.2K	17.1	29.1	94
		SE3-043-3.7K	17.1	29.1	137

Series	Frame	Model	Flow Rate		Power Dissipation(W) @50Hz,100% load
			CFM	m ³ /hr	
SE3	C	SE3-023-5.5K	62.0	105.4	267
		SE3-023-7.5K	62.0	105.4	364
		SE3-043-5.5K	62.0	105.4	189
		SE3-043-7.5K	62.0	105.4	262
		SE3-043-11K	62.0	105.4	351
	D	SE3-023-11K	124.8	212.1	408
		SE3-023-15K	124.8	212.1	488
		SE3-043-15K	124.8	212.1	503
		SE3-043-18.5K	124.8	212.1	561
		SE3-043-22K	124.8	212.1	689