

# OILFREE SCROLL COMPRESSOR CATALOGUE



Simplex Scroll Compressors  
Multiplex Scroll Compressors

*The Air of Trust*

# The Most Advanced Technologies for High-Quality air

High-precision processing technology is required to produce the components that make up a Scroll Compressor. We have developed new Scroll Air-Ends thanks to the experience and know-how we have accumulated over the past 20 years.



## Scroll Compression Principle

As the orbiting scroll goes from No.1 to No.4 position, the size of the symmetrical crescent-shaped compression chambers is gradually reduced, compressing the air contained within. This is then discharged through the central exhaust port.



## Oilfree Drain

Drainage from oil-lubricated compressors requires proper treatment as it contains oil. Oilfree scroll compressors, on the other hand, are eco-friendly, their drain is clean and does not contain oil, therefore avoiding the cost of drain disposal.



Drainage from an oilfree compressor



Drainage from an oil-lubricated compressor



## Class Zero Certification

TÜV (independent third party test house) has just certified that the air quality from our oilfree scroll compressors is in conformity with "Class 0 (ISO8573-1:2010[-:-:0])".



## Clean

Air from oil-lubricated compressors contains oil and can contaminate the piping. This does not happen with an Oilfree Scroll Compressor which produces high-quality oilfree air.

INSIDE THE PIPING OF AN OIL-LUBRICATED COMPRESSOR



INSIDE THE PIPING OF AN OILFREE COMPRESSOR



## What is Class Zero?

ISO8573-1 (JIS B8392-1) defines quality classes for compressed air. Class Zero indicates wall flow oil, oil mist and oil vapor are completely absent. As oil vapor in particular cannot be absorbed by conventional air filters, it is important factories that require clean air use Class Zero compressors.

CLASS	Oil Concentration mg/m <sup>3</sup>
0	As specified by the equipment user or supplier and more stringent the Class 1
1	≦ 0.01
2	≦ 0.1
3	≦ 1
4	≦ 5



- ① Wall Flow Oil
- ② Oil Mist
- ③ Oil Vapor

# Simplex Oilfree Scroll Compressors

## 0.75 kW (1HP)

### Features

- 8,000 hrs. maintenance free<sup>\*3</sup>
- Class Zero oilfree air
- Low noise level
- Low vibration
- Compact size
- Wheels for easy relocation
- Membrane dryer model available

**49dB(A)**



**Scroll air-end (1HP)  
(Direct-Driven)**



**Aluminium air receiver  
(anti-rust coated)**



• **SLPA-07E**

Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Dryer pressure dew point °C	Tank capacity L	Net Dimensions (wxdxh) mm	Net Weight kg	Voltage Volt/Hz/Pha
	kW	HP		bar	MPa	L/min	m³/h							
SLPA-07E	0.75	1	Pressure switch	8	0.8	70	4.2	49	Rc 3/8 [ball valve]	-	5 (internal)	335x590x690	50	240/50/1
SLPA-07ED						60	3.6			15		335x660x690	52	

\*1 F.A.D. is measured at max working pressure.

\*2 Noise level measured at a distance of 1M according to ISO11201; tolerance±3dB

\*3 Except intake filter

• It is recommended to install air filters and an external receiver tank after the compressor.

• Even with Class Zero compressors, oil may be found in the piping.

This may be caused by the presence of oil in the piping before installation of the compressor or by accident during the production process

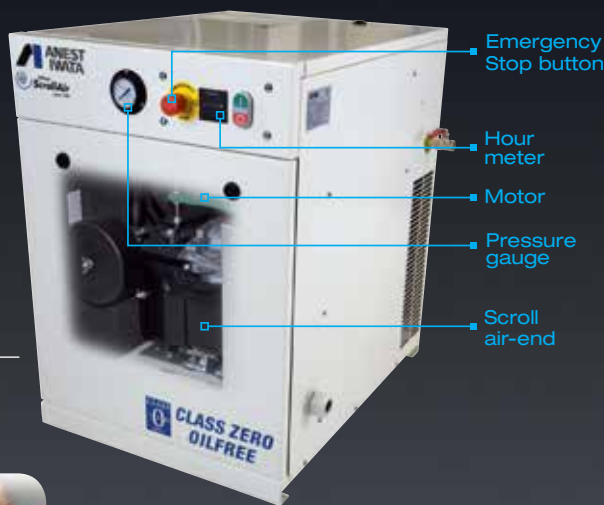
# Simplex Oilfree Scroll Compressors

## 1.5 kW (2HP) - 7.5 kW (10HP)

### Features

- 10.000 hrs. maintenance free<sup>\*3</sup>
- Class Zero oilfree air
- IE3 premium efficiency motor
- Control panel for easy operation in 5.5/7.5kW model
- Low noise level
- Low vibration

**SLPA-15(1)E-37(1)E**



**SLPA-55(1)F-75(1)F**



### 8 bar models

	Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wxdxh) mm	Net Weight kg	Tank capacity L	Voltage Volt/Hz/Pha
		kW	HP		bar	MPa	L/min	m <sup>3</sup> /h						
Standard	SLPA-15E	1.5	2	Pressure switch	8	0.8	155	9.3	54	Rc 3/8	535x685x745	80	-	240/50/1
	SLPA-22E-T	2.2	3				243	14.5	58			85		
	SLPA-37E	3.7	5				404	24.2	59			105		
	SLPA-55F	5.5	7.5	Pressure sensor			596	35.7	55	Rc 3/4	605x970x1195	205		415/50/3
	SLPA-75F	7.5	10				808	48.4	57			210		
w/Tank	SLPA-15E-90	1,5	2	Pressure switch	8	0.8	155	9	57	Rc 3/8	650x1100x1340	175	90	240/50/1
	SLPA-22E-T-90	2,2	3				243	15	57			180		
	SLPA-37E-90	3,7	5				404	24	62			300		
w/Tank w/Dryer	SLPA-15ED-90	1,5	2	Pressure switch	8	0.8	155	9	58	Rc 3/8	650x1320x1340	225	90	240/50/1
	SLPA-22ED-T-90	2,2	3				243	15	58			230		
	SLPA-37ED-90	3,7	5				404	24	63			350		

### 10 bar models

	Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wxdxh) mm	Net Weight kg	Tank capacity L	Voltage Volt/Hz/Pha
		kW	HP		bar	MPa	L/min	m <sup>3</sup> /h						
Standard	SLPA-151E	1.5	2	Pressure switch	10	1.0	119	9.3	55	Rc 3/8	535x685x745	80	-	240/50/1
	SLPA-221E-T	2.2	3				207	14.5	59			85		
	SLPA-371E	3.7	5				337	24.2	59			105		
w/Tank	SLPA-151E-90	1,5	2	Pressure switch	10	1.0	119	7	56	Rc 3/8	650x1100x1340	175	90	240/50/1
	SLPA-221E-T-90	2,2	3				207	12	56			180		
	SLPA-371E-90	3,7	5				337	20	65			300		
w/Tank w/Dryer	SLPA-151ED-90	1,5	2	Pressure switch	10	1.0	119	7	57	Rc 3/8	650x1320x1340	225	90	240/50/1
	SLPA-221ED-T-90	2,2	3				207	12	57			230		
	SLPA-371ED-90	3,7	5				337	20	66			250		

\*1 F.A.D. is measured at max working pressure.

\*2 Noise level measured at a distance of 1M according to ISO11201; tolerance±3dB

\*3-1 Except intake filter

\*3-2 5000 hrs. for 10 bar models and 8000 hrs. for 5.5kW and 7.5kW models

• It is recommended to install air filters and an external receiver tank after the compressor.

• Even with Class zero compressors, oil may be found in the piping.

This may be caused by the presence of oil in the piping before installation of the compressor or by accident during the production process.

SLPA-551F and SLPA-751F coming soon.

# Multiplex Oilfree Scroll Compressors

## 11 kW (15HP) - 30 kW (40HP)

### Features

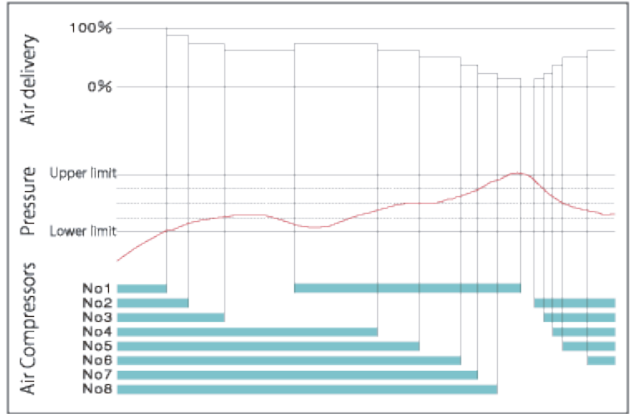
- Multi Stage Control for energy conservation
- Class Zero oilfree air
- 10.000 hrs. maintenance free for 8 bar model<sup>1,3</sup>
- IE3 premium efficiency motor
- Touch panel for monitoring running conditions
- Low noise level
- Low vibration



**Multi-stage Scroll Compressor**

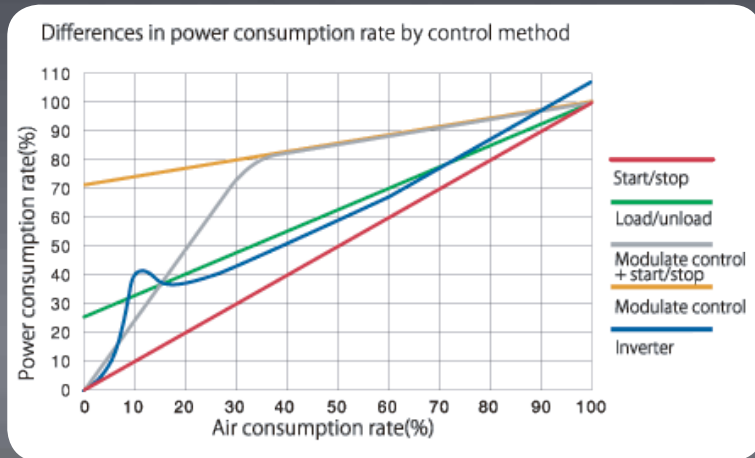


Operation of multi-stage control to achieve high energy-saving performance (multi-stage control)



Energy-saving operation with 4 compressors when consumption is low

Full operation with 6 compressors when consumption is high



### 8 bar models

Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wxdxh) mm	Net Weight kg	Voltage Volt/Hz/Pha
	kW	HP		bar	MPa	L/min	m³/h					
SLPA-110E	11(3x3.7)	15	Pressure sensor	8	0.8	1211	72.6	60	Rc 1	655x960x1555	365	415/50/3
SLPA-150E	15(4x3.7)	20				1615	96.8	61				
SLPA-220E	22(6x3.7)	30				2422	145	64				
SLPA-300E	30(8x3.7)	45				3230	194	65				

### 10 bar models

Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wxdxh) mm	Net Weight kg	Voltage Volt/Hz/Pha
	kW	HP		bar	MPa	L/min	m³/h					
SLPA-1101E	11(3x3.7)	15	Pressure sensor	10	1.0	1009	60.5	60	Rc 1	655x960x1555	365	415/50/3
SLPA-1501E	15(4x3.7)	20				1346	80.8	62				
SLPA-2201E	22(6x3.7)	30				2018	121,1	66				
SLPA-3001E	30(8x3.7)	45				2692	161,5	66				

\*1 F.A.D. is measured at max working pressure.

\*2 Noise level measured at a distance of 1M according to ISO11201; tolerance±3dB

\*3-1 Except intake filter

\*3-2 5000 hrs. for 10 bar models

• It is recommended to install air filters and an external receiver tank after the compressor.

• Even with Class zero compressors, oil may be found in the piping.

This may be caused by the presence of oil in the piping before installation of the compressor or by accident during the production process

# LIST OF TECHNICAL SPECIFICATIONS

## 8 bar models

	Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wx dxh)	Net Weight	Tank capacity	Voltage		
		kW	HP		bar	MPa	L/min	m³/h							kg	L
Standard	SLPA-07E	0,75	1	Pressure switch	8	0,8	70	4,2	49	Rc 3/8	335x590x690	50	5 (internal)	240/50/1		
	SLPA-07ED						60	3,6			335x660x690	52				
	SLPA-15E	1,5	2				155	9,3	54		535x685x745	80				
	SLPA-22E-T	2,2	3				243	14,5	58		85					
	SLPA-37E	3,7	5				404	24,2	59		105					
	SLPA-55F	5,5	7,5	Pressure sensor			596	35,7	55	Rc 3/4	605x970x1195	205	-	415/50/3		
	SLPA-75F	7,5	10				808	48,4	57							
	SLPA-110E	11	15				1211	72,6	60	Rc 1	655x960x1555	365				
	SLPA-150E	15	20				1615	96,8	61	Rc 1 1/4	1370x955x1555	435				
	SLPA-220E	22	30				2422	145	64			745				
SLPA-300E	30	45	3230	194	65	885										
w/Tank	SLPA-15E-90	1,5	2	Pressure switch	8	0,8	155	9	57	Rc 3/8	650x1100x1340	175			90	240/50/1
	SLPA-22E-T-90	2,2	3				243	15	57			180				415/50/3
	SLPA-37E-90	3,7	5				404	24	62			300				
w/Tank w/Dryer	SLPA-15ED-90	1,5	2	Pressure switch	8	0,8	155	9	58	Rc 3/8	650x1320x1340	225			90	240/50/1
	SLPA-22ED-T-90	2,2	3				243	15	58			230	415/50/3			
	SLPA-37ED-90	3,7	5				404	24	63			350				

## 10 bar models

	Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wx dxh)	Net Weight	Tank capacity	Voltage
		kW	HP		bar	MPa	L/min	m³/h						
Standard	SLPA-151E	1,5	2	Pressure switch	10	1,0	119	9,3	55	Rc 3/8	535x685x745	80	-	240/50/1
	SLPA-221E-T	2,2	3				207	14,5	59			85		
	SLPA-371E	3,7	5				337	24,2	59			105		
	SLPA-1101E	11	15	Pressure sensor			1009	60,5	60	Rc 1	655x960x1555	365		415/50/3
	SLPA-1501E	15	20				1346	80,8	62			435		
	SLPA-2201E	22	30				2018	121,1	66	Rc 1 1/4	1370x955x1555	745		
	SLPA-3001E	30	45				2692	161,5	66			885		
w/Tank	SLPA-151E-90	1,5	2	Pressure switch	10	1,0	119	7	56	Rc 3/8	650x1100x1340	175	90	240/50/1
	SLPA-221E-T-90	2,2	3				207	12	56			180		415/50/3
	SLPA-371E-90	3,7	5				337	20	65			300		
w/Tank w/Dryer	SLPA-151ED-90	1,5	2	Pressure switch	10	1,0	119	7	57	Rc 3/8	650x1320x1340	225	90	240/50/1
	SLPA-221ED-T-90	2,2	3				207	12	57			230		415/50/3
	SLPA-371ED-90	3,7	5				337	20	66			250		

## Open Pack Scroll Compressor - 8 bar models

	Model	Power		Operation Control	Max. Working Pressure		F.A.D. (*1)		Noise Level (*2)	Outlet size	Net Dimensions (wx dxh)	Net Weight	Tank capacity	Voltage
		kW	HP		bar	MPa	L/min	m³/h						
w/Tank	SLP140/58	2,2	3	Auto stop/start	8	0,8	243	14,5	70	1/4	900x400x700	80	58	240/50/1
	SLP165/125	3,7	5		8	0,8	404	24,2	72	1/2	1500x500x900	100	125	415/50/1
	SL210/270	7,5	10		8	0,8	840	50,4	76	3/4	1500x550x1100	200	270	415/50/1

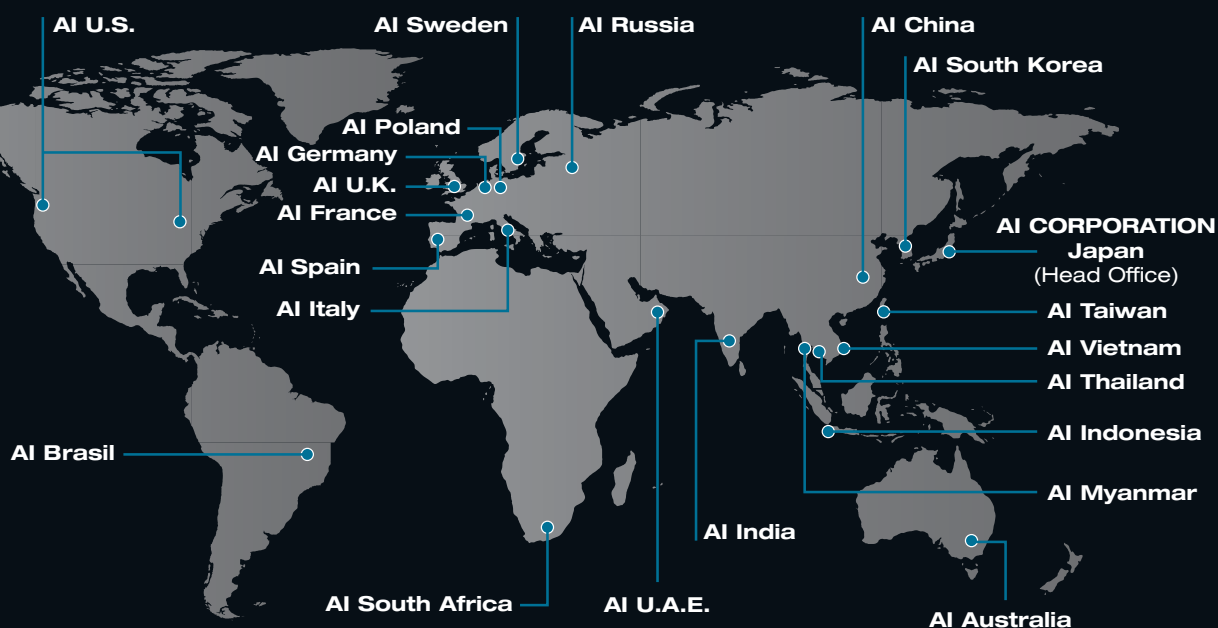


1 | 2 | 3 | 4 | 5 | 6\* | 7  
SLPA - 22 | 1 | E | D - M - 270

1	Model	SLPA	Oilfree Scroll Compressor
2	Power	07	0,75kW / 1HP
		15	1,5kW / 2HP
		22	2,2kW / 3HP
		37	3,7kW / 5HP
		55	5,5kW / 7,5HP
		75	7,5kW / 10HP
		110	11kW / 15HP
3	Max. Press.	150	15kW / 20HP
		220	22kW / 30HP
		300	30kW / 40HP
		Blank	8 bar
		1	10 bar
4	Series	E	E Series
		F	F Series
5	Dryer	Blank	Without Dryer
		D	With Dryer
6*1	Power	M	Single phase, 240V/50Hz
		T	Three phase, 415V/50Hz
		Blank	Without tank
7	Tank (coming soon)	90	With 90L tank
		270	With 270L tank
		500	With 500L tank

\*1 : Only 2,2kW model

# ANEST IWATA GLOBAL NETWORK



## Broadbent Compressor Services VIC

PO Box 4365, Dandenong South VIC 3164  
 4 Park Drive, Dandenong VIC 3175  
 Tel. +61 3 9768 2229 - Fax +61 3 9768 2223  
 Email: sales@broadcom.com.au  
 www.broadcom.com.au

## Broadbent Compressor Services NSW

PO Box 4365, Dandenong South VIC 3164  
 Unit 32, 71 Kurrajong Avenue, Mt. Druitt NSW 2770  
 Telephone: 1300 888 097 - Fax +61 2 9609 3900  
 Email: nsw@broadcom.com.au  
 www.broadcom.com.au

## Broadbent Compressor Services QLD

PO Box 4365, Dandenong South VIC 3164  
 Factory 2 / 41 Darnick Street, Underwood QLD 4119  
 Telephone: 1300 176 901 - Mob. 0429 527 225  
 Email: qld@broadcom.com.au  
 www.broadcom.com.au

## Headquarters in Japan:

**ANEST IWATA Corporation**  
 3176, Shinyoshida-cho, Kohoku-ku,  
 Yokohama 223-8501, Japan  
 aijhonbu@anest-iwata.co.jp



## Headquarters

ANEST IWATA Corporation

## Founded

May 1<sup>st</sup>, 1926

## Established

June 2<sup>nd</sup>, 1948

## Capital

JPY 3,354,353,175

## Listed Stock

First section of the Tokyo Stock Exchange,  
 listed in 1973

## Main Business

- Air compressors and associated products
- Spray painting equipment, liquid application equipment, associated products and installation
- Vacuum pumps and associated products

## Accounting Term

March 31<sup>st</sup>

## Number of Employees

1,415 / Japanese: 602 (43%) and Other:  
 813 (57%) including group companies

## Domestic Bases

Headquarters, 2 plants and 20 branches

## Group

41 companies (Outside Japan : 35)

## Accounting Period

March, 31

Distributed by: