

TYPHOON SILENT 15ES-18ES



TYPHOON SILENT 15ES

1. **High-pressure piston compressor for breathing air, air cooled, 3 staged, oil lubricated, soundproof**, manufactured by PARAMINA, model Typhoon Silent 15ES 5,5kW 400V/50Hz, suitable for all shipping, diving and fire-fighting applications with CE certificate.

Model	: Typhoon Silent 15ES
Air Delivery FAD	: 250 lit/min - 15 m³/h
Max Working Pressure	: 350 bar
Stages	: 3
Cylinders	: 3
Cylinder Arrangement	: W
1 st stage cylinder diameter	: 80mm
2 nd stage cylinder diameter	: 36mm
3 rd stage cylinder diameter	: 14mm
Piston Stroke	: 60mm
Speed Rotation	: 1100 rpm
1 st Stage Pressure	: 5,2 – 5,5 bar
2 nd Stage Pressure	: 38 – 43 bar
Transmission	: V Belt
Motor power (Class F, IP 55)	: 5,5 kW / 400 V / 50Hz
Oil Capacity	: 2.2 lit synthetic compressor oil
Air outlet temperature	: 5 - 8 °C above ambient temperature
Max. permissible ambient temperature	: +5⁰ to +45⁰ C
Cooling air flow min required approximately	: 1980m³/ hr
Max. inclination of compressor	: 15⁰
Noise Level	: 69 dB
Dimensions (L-W-H)	: 80 X 98 X 118 cm
Weight	: 244 - 260 Kg
Filling Time of 1 Cyl.10ltr @ 225bar	: 9,0 min ± 5%
Filling Time of 1 Cyl.10ltr @ 300bar	: 12,0 min ± 5%

Standard Equipment:

- Micronic Air Inlet Filter.
- Condensate Separator after 2nd Stage.
- Large Stainless Steel Intercoolers - aftercooler at all stages.
- Large fan (500mm diam.) for optimum cooling of cylinders, intercoolers & aftercoolers, making the compressor capable for continuous operation.

- **Combined BA Filter Ø80X535** including Coalescing Pre-filter (0,5mg/m³ oil residual) and 2x (Active Carbon / Molecular Sieve cartridge) Ø42X180 cartridges, with the supply of absolutely clean air exceeding by far the requirements of EN 12021:2014.
- Pressure maintaining & non-return valve after final BA filter for extended BA filter lifetime.
- Two (2) Kevlar* Filling Hoses, **1,2m each, complete with DIN and INTERNATIONAL "A" clamp Adaptors and lever operated on/off valves with automatic ventilation.**
***Kevlar hoses are manufactured with very strong & resistant material and are pin pricked for air relief in atmosphere in case of damage.**
- Safety Valves in all stages.
- Built-In Vibration Pads.
- Soundproof insulation ensuring very low noise level.
- Automatic belt tensioning system.
- **Automatic Condensate Drains with manual backups.**
- Condensate collecting tank with level indication.
- **Direct On-Line starting system**
- Motor thermal overload protection.
- **Main Switch or Emergency Stop button.**
- **Start/Stop switch**
- **Hourmeter**
- **Automatic stop at the desirable pressure**
- **24V secondary voltage providing safety during routine operation.**
- **Final Stage manometer**

Optional Equipment

- **Star/Delta starting system**
- **Ø110x495 BA Filter in replacement of standard BA Filter Ø80x535**
- **Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator**
- **Extra filling hose *(maximum hoses: 4)**
- **High temperature alarm (bimetal switch)**
- **Low oil level alarm**
- **Final Stage Condensate Separator**
- **Interstage manometers**
- **High Pressure outlet ¼" or 8S, in replacement of filling hoses**

TYPHOON SILENT 18ES

2. **High-pressure piston compressor for breathing air, air cooled, 3 staged, oil lubricated, soundproof**, manufactured by PARAMINA, model Typhoon Silent 18ES 7,5kW 400V/50Hz, **suitable for all shipping, diving and fire-fighting applications** with CE certificate.

Model	: Typhoon Silent 18ES
Air Delivery FAD	: 300/320 lit/min - 18 m³/h
Max Working Pressure	: 350 bar
Stages	: 3
Cylinders	: 3
Cylinder Arrangement	: W
1 st stage cylinder diameter	: 80mm
2 nd stage cylinder diameter	: 36mm
3 rd stage cylinder diameter	: 14mm
Piston Stroke	: 60mm
Speed Rotation	: 1290/1380 rpm
1 st Stage Pressure	: 5,2 – 5,5 bar
2 nd Stage Pressure	: 38 – 43 bar
Transmission	: V Belt
Motor power (Class F, IP 55)	: 7,5 kW / 400 V / 50Hz
Oil Capacity	: 2.2 lit synthetic compressor oil
Air outlet temperature	: 5 - 8 °C above ambient temperature
Max. permissible ambient temperature	: +5⁰ to +45⁰ C
Cooling air flow min required approximately	: 2700m³/ hr
Max. inclination of compressor	: 15⁰
Noise Level	: 70 dB
Dimensions (L-W-H)	: 80 X 98 X 118 cm
Weight	: 260 – 268 Kg
Filling Time of 1 Cyl.10ltr @ 225bar	: 7,5 min ± 5%
Filling Time of 1 Cyl.10ltr @ 300bar	: 10,0 min ± 5%

Standard Equipment:

- Micronic Air Inlet Filter.
- Condensate Separator after 2nd Stage.
- Large Stainless Steel Intercoolers - aftercooler at all stages.
- Large fan (500mm diam.) for optimum cooling of cylinders, intercoolers & aftercoolers, making the compressor capable for continuous operation.

- **Combined BA Filter Ø80X535** including Coalescing Pre-filter (0,5mg/m³ oil residual) and 2x (Active Carbon / Molecular Sieve cartridge) Ø42X180 cartridges, with the supply of absolutely clean air exceeding by far the requirements of EN 12021:2014.
- Pressure maintaining & non-return valve after final BA filter for extended BA filter lifetime.
- Two (2) Kevlar* Filling Hoses, **1,2m each, complete with DIN and INTERNATIONAL "A" clamp Adaptors and lever operated on/off valves with automatic ventilation.**
***Kevlar hoses are manufactured with very strong & resistant material and are pin pricked for air relief in atmosphere in case of damage.**
- Safety Valves in all stages.
- Built-In Vibration Pads.
- Soundproof insulation ensuring very low noise level.
- Automatic belt tensioning system.
- **Automatic Condensate Drains with manual backups.**
- Condensate collecting tank with level indication.
- **Star / Delta starting system.**
- **Main Switch or Emergency Stop button.**
- Motor thermal overload protection.
- **Start/Stop switch**
- **Hourmeter**
- **Automatic stop at the desirable pressure**
- **24V secondary voltage providing safety during routine operation.**
- **Final Stage manometer**

Optional Equipment

- **Ø110x495 BA Filter** in replacement of standard BA Filter Ø80x535
- **Dual pressure filling facility, allowing 225/330 bar simultaneous filling via pressure regulator**
- **Extra filling hose *(maximum hoses: 4)**
- **High temperature alarm (bimetal switch)**
- **Low oil level alarm**
- **Final Stage Condensate Separator**
- **Interstage manometers**
- **High Pressure outlet ¼" or 8S, in replacement of filling hoses**