

# Datasheet

## X-starter



Part no. 65566



### Manufacturer & Type

Manufacturer	Sperre Industri AS
Model	Starter W90-150/115 E 380-480/230 K
Type	XSSW42E-90-150/115
Compressor	X-range Water-cooled

### Supply

Main Volts/Cycles/Phases	380-480 VAC / 50-60Hz / 3-phase
Control Voltage Outputs	230 VAC / 50-60Hz
Control Voltage Inputs	24 VDC
Thermal relay range, In	90-150 A
Contactors type	115A
Max rating of associated main fuses	250 A
Associated control fuses F4-F5	5x25mm, 2,5A quick acting
Associated control fuses F6-F7	5x25mm, 0,8A-2,5A med. slow acting
Main supply cable gland size	M50, 30-38mm

### Technical Data

Size of enclosure	600 x 500 x 300 mm
Enclosure rating	IP 65
Enclosure painting	RAL 9006
Weight	33 Kg

### Digital Inputs

1. Local emergency stop
2. External emergency stop
3. Thermal overload relay
4. Remote start / stop
5. Remote load / unload
6. No function
7. Oil level shutdown
8. PTC thermistors el-motor

### Digital Outputs

1. Signal to contactor
2. Drain valve solenoid
3. Function selectable
4. Remote mode signal
5. Remote alarm / service alarm
6. Remote com. Shutdown

### Output 3 selection

1. Alarm
2. Shutdown
3. Group Fault
4. Alarm / Service alarm
5. Service Alarm
6. Heater (default)
7. Standby
8. Running
9. Loaded
10. Started

### Analogue Inputs 4-20mA

1. Delivery pressure transducer
2. Compressor high pressure transducer
3. Compressor low pressure transducer

### Analogue Output 4-20mA

1. Function selectable

### Analogue Output selection

0. Delivery pressure
1. Delivery temperature
2. High pressure compr.
3. Motor current (A)

### Analogue Inputs expansion module

4. Delivery temperature transducer
5. Compressor oil-level transducer
6. No function
7. Compressor motor current transducer

### Communications

2 RS485 ports

### Ports

Port 1 Modbus communication  
Port 2 PMS between compressors

### Extraordinary Functions

Automatic service cycle function  
Service log  
Error log with the 30 last fault codes  
Pressure Management System  
Power Failure Auto Restart  
Multi language

### General Operations

1. Semi Automatic Mode
2. Fully Automatic Mode
3. Test Mode Safety Valve
4. Test Mode Drain & Leak

### Led Indicators

1. Status running (green)
2. Faults (red)
3. Service (yellow)

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