

ST25EL Electric Compressor EX Zone 2

TECHNICAL SPECIFICATION

General information

Code:	II 3G IIB T3 Gc
DNV 2.7-1 Approval:	Yes
DNV 2.7-2 Approval:	Yes
Production year:	2026
Norsok Z-015 EX Zone 2	

Mechanical data

TARE:	9000 kg
MAX GROSS:	10000 kg
Overall dimensions (LWH):	3658 × 1900 × 2610 mm
Max nominal air flow:	25 m ³ /min
Ambient temperature:	-20°C to +45°C
Working pressure:	5 - 10 Barg
Interface:	1 x WN, NPS 3", CLASS ANSI 150,RF, 2 × 2 "Chicago Coupling" male
Sound level:	83 dBa @ 1m

Electrical data

Main power:

Multi voltage 400-690v 50/60Hz

Table overview shows average current under max load depending according to pressure set.

Voltage	10.0 Barg	8.5 Barg	7.0 Barg	Inrush current
400 V / 50 Hz	280 A	260 A	240 A	1175 A
690 V / 50 Hz	170 A	150 A	140 A	670 A
400 V / 60 Hz	330 A	300 A	270 A	1175 A
440 V / 60 Hz	310 A	280 A	220 A	1060 A
690 V / 60 Hz	195 A	180 A	160 A	670 A

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During changes in load conditions, the current can exceed the average current but only in short periods.

UPS Control power supply:

VAC	Hz	kW	A	Ik max (Ka)
110 - 230	50 / 60	<0,2	<2	10

Voltage tolerance $\pm 5\%$. Suitable for all standard earthing systems (TN, TT, IT)

