



## EU Declaration of Conformity

**IMO Precision Controls Ltd  
1000 North Circular Road,  
Staples Corner,  
London,  
NW2 7JP**

declare under our sole responsibility that the following product/s

**IMO General Purpose AC Variable Speed Drives**

**SD1 followed by  
2.5A, 4.2A, 7.5A, 9.5A, 10A, 14A, 16A, 18.5A,  
20A, 25A, 32A, 38A, 45A, 60A, 75A, 92A,  
115A, 150A, 180A, 435A  
followed by -21, -23 or -43**

Intended Equipment Location: Built-In      Protection Degree: IP20

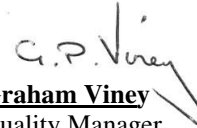
to which this declaration relates, are in conformity with the requirements of the following standards and other normative documents

<b>EN 61800-3:2004 +A1:2012</b>	<b>Adjustable speed electrical power drives. EMC product standard including specific test methods.</b>
<b>EN 61800-5-1:2007</b>	<b>Adjustable speed electrical power drives. Safety requirements. Electrical, thermal and energy.</b>

and therefore conform to the protection requirements of the Council Directives

<b>2014/30/EU</b>	relating to <b>Electromagnetic Compatibility</b>
<b>2014/35/EU</b>	relating to <b>Low Voltage Directive</b>

When installing the SD1 Drives, all requirements of EN 61800-5-1:2007 must be fulfilled and it should be suitably installed in closed electrical operation area, and fire/mechanical protection enclosure shall be provided. Maximum operating temperature is 40°C. The input and output circuits were considered as DVC C circuits and signal circuit was considered as DVC A circuit. TN-S, TN-C, TN-C-S and TT (not corner earthed) power systems were evaluated. The Drive has no overcurrent protective device. For safety operation, a suitable external circuit breaker must be employed before installation.

  
**Graham Viney**  
Quality Manager  
IMO Precision Controls Ltd  
7<sup>th</sup> April 2017

**Rated Input and Output**

<b>Model</b>	<b>Rated Input</b>	<b>Rated Output</b>
SD1-2.5A-21	1PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 6.5A	3PH, 0V-Uinput, 1-400Hz, 2.5A
SD1-4.2A-21	1PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 9.3A	3PH, 0V-Uinput, 1-400Hz, 4.2A
SD1-7.5A-21	1PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 15.7A	3PH, 0V-Uinput, 1-400Hz, 7.5A
SD1-10A-21	1PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 24AA	3PH, 0V-Uinput, 1-400Hz, 10A
SD1-2.5A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 3.7A	3PH, 0V-Uinput, 1-400Hz, 2.5A
SD1-4.2A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 5A	3PH, 0V-Uinput, 1-400Hz, 4.2A
SD1-7.5A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 7.7A	3PH, 0V-Uinput, 1-400Hz, 7.5A
SD1-10A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 11A	3PH, 0V-Uinput, 1-400Hz, 10A
SD1-16A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 17A	3PH, 0V-Uinput, 1-400Hz, 16A
SD1-20A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 21A	3PH, 0V-Uinput, 1-400Hz, 20A
SD1-30A-23	3PH, 220V(-15 %)-240V(+10 %), 47-63Hz, 31A	3PH, 0V-Uinput, 1-400Hz, 30A
SD1-2.5A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 3.4A	3PH, 0V-Uinput, 1-400Hz, 2.5A
SD1-4.2A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 5A	3PH, 0V-Uinput, 1-400Hz, 4.2A
SD1-5.5A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 5.8A	3PH, 0V-Uinput, 1-400Hz, 5.5A
SD1-9.5A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 13.5A	3PH, 0V-Uinput, 1-400Hz, 9.5A
SD1-14A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 19.5A	3PH, 0V-Uinput, 1-400Hz, 14A
SD1-18.5A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 25A	3PH, 0V-Uinput, 1-400Hz, 18.5A
SD1-25A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 32A	3PH, 0V-Uinput, 1-400Hz, 25A
SD1-32A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 40A	3PH, 0V-Uinput, 1-400Hz, 32A
SD1-38A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 47A	3PH, 0V-Uinput, 1-400Hz, 38A
SD1-45A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 51A	3PH, 0V-Uinput, 1-400Hz, 45A
SD1-60A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 70A	3PH, 0V-Uinput, 1-400Hz, 60A
SD1-75A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 80A	3PH, 0V-Uinput, 1-400Hz, 75A
SD1-92A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 98A	3PH, 0V-Uinput, 1-400Hz, 92A
SD1-115A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 128A	3PH, 0V-Uinput, 1-400Hz, 115A
SD1-150A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 139A	3PH, 0V-Uinput, 1-400Hz, 150A
SD1-180A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 168A	3PH, 0V-Uinput, 1-400Hz, 180A
SD1-215A-43	3PH, 380V(-15 %)-440V(+10 %), 47-63Hz, 201A	3PH, 0V-Uinput, 1-400Hz, 215A