

(1) **EU-Type Examination Certificate**
(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 17 ATEX 0502**

(4) Product: **OMEX Series Three-Phase Asynchronous Motors**

(5) Firm Name: **O.M.E. Srl**

(6) Firm Address : **Via Tartaglia 6b 25064 Gussago Brescia ITALY**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP - Rp.Ex - 10. 1097 date 07.03.2017.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN 60079-0:2013 , EN 60079-1:2007 , EN 60079-31:2014

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to specified conditions of safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:



**II 2G Ex db IIB T4 Gb
II 2D Ex tb IIIC (125°C) Db**

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue: 13.03.2017



IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
5746/1 Sok. No:9 K:2Bornova - İZMİR / TURKEY

Tel: +90 232 431 17 45 -46Fax : +90 232 431 17 30 E-mail: iep@iep.com.tr

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(13) Schedule

(14) Certificate Nr: **IEP 17 ATEX 0502**

(15) Description of Equipment:

The motors of series OMEX consist of an enclosure made from cast iron. The shaft relates in rolling bearings. Together with the end shields the shaft forms a flame proof joint at the drive. Connection is by means of terminal boxes designed to flame proof enclosure d type of protection. Separately certificated cable entry fittings provide for power input.

The permissible ambient temperature range is -20 °C to + 40 °C. This temperature range can be restricted by the terminal boxes of components selector by data sheet specifying the electrical design.

Parts used in motors are available in table 1 and date 20.05.2014. Motor user manual consists of 12 pages and date 10.12.2016.

Technical Parameters: OMEX Series Three-Phase Asynchronous Motors

Type	Power (kW)	Voltage /Frequency (V/Hz)
OMEX -80	0,18~1,1	400 V / 50 Hz
OMEX -90	0,37~2,2	400 V / 50 Hz
OMEX -100	0,75~3	400 V / 50 Hz
OMEX -112	1,5~4	(400/690) V / 50 Hz
OMEX -132	2,2~7,5	(400/690) V / 50 Hz
OMEX -160	4~18,5	(400/690) V / 50 Hz
OMEX -180	11~22	(400/690) V / 50 Hz
OMEX -200	15~37	(400/690) V / 50 Hz
OMEX -225	18,5~45	(400/690) V / 50 Hz
OMEX -250	30~55	(400/690) V / 50 Hz
OMEX -280	37~90	(400/690) V / 50 Hz
OMEX -315	45~200	(400/690) V / 50 Hz
OMEX -355	90~355	(400/690) V / 50 Hz
Ambient Temperature Ta : (-20 ; + 40) °C , IP 55		

(16) Any components attached of installed (terminal compartments bushings cable entry fittings connectors) have to be of technical Standard that complies with the specifications on the cover sheet and they must be covered by a separate examination certificate. The special conditions specified for the components must be complied with and the components may have to be included in the type tests.

(17) List of Documentation;

- ♦ Flame road data table ; 13.12.2016
- ♦ Test Reports; 12-13.12.2016 2 pc.
- ♦ Dimension Tables; SLF7-046 date 2013 24 pc.
- ♦ Certificates ; CNEx.12.1254-1266 – 29.09.2015

Drawing Nr ;	Drawing Name ;	Date ;
1SL.070.501.1-8E	Flame-proof 3 phase AC Motor (YB3-80)	11.2013
1SL.070.502.1-16E	Flame-proof 3 phase AC Motor (YB3-90)	11.2013
1SL.070.503.1-6E	Flame-proof 3 phase AC Motor (YB3-100)	11.2013
1SL.070.504.1-4E	Flame-proof 3 phase AC Motor (YB3-112)	11.2013
1SL.070.505.1-9E	Flame-proof 3 phase AC Motor (YB3-132)	11.2013
1SL.070.506.1-10E	Flame-proof 3 phase AC Motor (YB3-160)	11.2013

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Şirketi
5746/1 Sk. No:9 K:2 Bornova - İZMİR /TURKEY Tel: +90 232 431 17 45 – 46 Fax: +90 232 431 17 30 E-mail: iep@iep.com.tr Fr:45
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(18) Certificate Nr: IEP 17 ATEX 0502

(19) List of Drawings;

Drawing Nr ;	Drawing Name ;	Date ;
1SL.070.507.1-5E	Flame-proof 3 phase AC Motor (YB3-180)	11.2013
1SL.070.508.1E-6E	Flame-proof 3 phase AC Motor (YB3-200)	11.2013
1SL.070.509.1E-6E	Flame-proof 3 phase AC Motor (YB3-225)	11.2013
1SL.070.510.1E-4E	Flame-proof 3 phase AC Motor (YB3-250)	11.2013
1SL.070.512.4-E	Flame-proof 3 phase AC Motor (YB3-315)	11.2013
1SL.070.513.1-12E	Flame-proof 3 phase AC Motor (YB3-355)	11.2013
1SL.070.515.1-10E	Flame-proof 3 phase AC Motor (YB3-355-6)	11.2013
1SL.070.516.1-18E	Flame-proof 3 phase AC Motor (YB3-355-8,10)	11.2013
1SL.070.512.5-20E	Flame-proof 3 phase AC Motor (YB3-315-4,6,8,10)	11.2013
1SL.070.514.1-12E	Flame-proof 3 phase AC Motor (YB3-355-4)	11.2013
8SL.860.001CE	Name Plate (YB3-132S-4)	11.2013
0SL.383.008	Winding Diagram (YB3-132/160-6)	11.2013
0SL.383.019	Winding Diagram (YB3-132-4)	11.2013
5SL.524.222.1-2	Stator Winding (YB3-132S-4)	11.2013
5SL.663.168.1-9	Stator Core (YB3-132S)	11.2013
5SL.670.297.1-9	Stator (YB3-132)	11.2013
5SL.674.358.1-9	Rotor (YB3-132)	11.2013
5SL.676.354.1-2	Cast Aluminum Rotor (YB3-132-4)	11.2013
8SL.013.326	End Shield (YB3-132)	11.2013
8SL.013.307	End Shield (YB3-132)	11.2013
8SL.034.152.1-2	Frame Housing (YB3-132)	11.2013
8SL.200.149.1.2	Shaft (YB3-132)	11.2013
8SL.306.112	Fan Cover (YB3-132)	11.2013
8SL.435.100	Fan (YB3-132)	11.2013
8SL.660.386	Lamination Sheet (YB3-132-4)	11.2013
8SL.662.324	Rotor Lamination (YB3-132-4)	11.2013
8SL.783.171.1-9	Slot Wedge (YB3-132)	11.2013
8SL.864.011	Ground Symbol (YB3-132)	11.2013
8SL.860.002CE	Name Plate (YB3-200L-4)	11.2013
0SL.860.200.1-6	Name Plate Data (YB3-200L)	11.2013
5SL.663.171.1-6	Stator Core (YB3-200)	11.2013
5SL.670.300.1-6	Stator (YB3-200)	11.2013
5SL.671.491	Stator Core With Winding (YB3-200-4)	11.2013
5SL.671.491A	Stator Core With Winding (YB3-200-4)	11.2013
5SL.674.361.1-6	Rotor (YB3-200)	11.2013
5SL.676.364	Cast Aluminum Rotor (YB3-200L-4)	11.2013
8SL.013.136.1-2	End Shield (YB3-200)	11.2013
8SL.013.137	End Shield (YB3-200-4,6,8)	11.2013
8SL.013.331.1-2	End Shield (YB3-200)	11.2013
8SL.013.332	End Shield (YB3-200-4,6,8)	11.2013
8SL.034.155	Frame Housing (YB3-200)	11.2013
8SL.200.152.1-2	Shaft (YB3-200)	11.2013

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body

IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Şirketi
5746/1 Sk. No:9 K:2 Bornova - İZMİR /TURKEY Tel: +90 232 431 17 45 - 46 Fax: +90 232 431 17 30 E-mail: iep@iep.com.tr Fr:45

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(20) Certificate Nr: IEP 17 ATEX 0502

(21) List of Drawings;

Drawing Nr ;	Drawing Name ;	Date ;
8SL.290.000-003	Balancing Plate (YB3-200-280)	11.2013
8SL.306.115	Fan Cover (YB3-200)	11.2013
8SL.317.065	Bearing Inner Cover (YB3-200)	11.2013
8SL.317.066	Bearing Inner Cover (YB3-200-4,6,8)	11.2013
8SL.317.139	Bearing Outer Cover (YB3-200)	11.2013
8SL.317.140	Bearing Outer Cover (YB3-200-4,6,8)	11.2013
8SL.317.164	Bearing Outer Cover (YB3-200)	11.2013
8SL.317.165	Bearing Outer Cover (YB3-200-4,6,8)	11.2013
8SL.435.106	Fan (YB3-200L-4,6,8)	11.2013
8SL.524.266	Stator Winding (YB3-200-4)	11.2013
8SL.524.266A	Stator Winding (YB3-200-4)	11.2013
8SL.660.400	Lamination Sheet (YB3-200-4)	11.2013
8SL.660.403.1-4	Stator End Plate (YB3-200)	11.2013
8SL.662.336	Rotor Lamination (YB3-200-4)	11.2013
8SL.783.174.1-6	Slot Wedge (YB3-200)	11.2013
8SL.860.002CE	Name Plate (YB3-315M-4)	11.2013
5SL.663.175.1-20	Stator Core (YB3-315)	11.2013
5SL.670.304.1-20	Stator (YB3-315)	11.2013
5SL.671.507.1-4	Stator Core With Winding (YB3-315-4)	11.2013
5SL.671.507.1-4A	Stator Core With Winding (YB3-315-4)	11.2013
5SL.674.366.1-4	Rotor (YB3-315-4P)	11.2013
5SL.676.378.1-4	Cast Aluminum Rotor (YB3-315-4)	11.2013
8SL.013.240-241	End Shield (YB3-315-4,6,8,10)	11.2013
8SL.013.340.1-2	End Shield (YB3-315-4,6,8,10)	11.2013
8SL.016.002-005	Wind Shield (YB3-315)	11.2013
8SL.034.159.1-3	Frame Housing (YB3-315S,M,L)	11.2013
8SL.090.078-081	Stator Clamping Ring (YB3-315)	11.2013
8SL.146.130.1-17	Buckle (YB3-315)	11.2013
8SL.156.036	Cover Plate (YB3-315)	11.2013
8SL.175.020	Oil Pipe (YB3-315)	11.2013
8SL.200.159.1-4	Shaft (YB3-315-2)	11.2013
8SL.200.160.1-16	Shaft (YB3-315-4,6,8,10P)	11.2013
8SL.306.123.1-2	Fan Cover (YB3-315-4,6)	11.2013
8SL.317.110	Bearing Inner Cover (YB3-315-4,6,8,10)	11.2013
8SL.317.146	Bearing Outer Cover (YB3-315-4,6,8,10)	11.2013
8SL.317.172	Bearing Outer Cover (YB3-315-4,6,8,10)	11.2013
8SL.322.001	Plug (YB3-315,355)	11.2013

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



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(22) Certificate Nr: IEP 17 ATEX 0502

(23) List of Drawings;

Drawing Nr ;	Drawing Name ;	Date ;
8SL.371.055	Gasket (YB3-315)	11.2013
8SL.435.115	Fan (YB3-315S,M,L1-2)	11.2013
8SL.435.117	Fan (YB3-315-4)	11.2013
8SL.524.282.1-4	Stator Winding (YB3-315-4)	11.2013
8SL.524.282.1-4A	Stator Winding (YB3-315-4)	11.2013
8SL.660.418	Lamination Sheet (YB3-315-4)	11.2013
8SL.660.423	Stator end Plate (YB3-315-4)	11.2013
8SL.662.350	Rotor Lamination (YB3-315-4)	11.2013
8SL.760.071-075	Phase Insulation (YB3-315)	11.2013
8SL.783.178.1-20	Slot Wedge (YB3-315)	11.2013
8SL.864.010	Ground Symbol (YB3-160-355)	11.2013
5SL.354.172.1-2E	Terminal Box (M5)	11.2013
5SL.772.002.1	Terminal Set (M5, big M5)	11.2013
8SL.354.104E	Terminal Box Seat (Small M5)	11.2013
8SL.354.104EM	Terminal Box Seat (Small M5)	11.2013
8SL.354.166E	Terminal Box Cover (Small M5)	11.2013
8SL.354.166EM	Terminal Box Cover (Small M5)	11.2013
8SL.271.001	The Stopper Gasket (M5)	11.2013
8SL.959.002	Bow Gasket	11.2013
8SL.516.002.1-4	Screw (M5,Big M5)	11.2013
8SL.950.002	Gasket (M5)	11.2013
8SL.950.007-009	Gasket (M5-M10)	11.2013
8SL.271.027	Stop Gasket (M5)	11.2013
5SL.772.030	Terminal Set (m5, M5)	11.2013
8SL.140.051	Press plate (Small M5,M5,M6)	11.2013
8SL.215.020	Thread Sleeve (Small M5,M5,M6)	11.2013
8SL.516.058.1-4	Terminal Lead (m5, M5)	11.2013
8SL.516.059	Terminal Lead (M5)	11.2013
8SL.585.027	Connect Plate (M5)	11.2013
5SL.354.173E	Terminal Box (M5 square)	11.2013
5SL.354.174E	Terminal Box (M5 square)	11.2013
8SL.354.161EM	Terminal Box Seat (Big M5)	11.2013
8SL.354.162EM	Terminal Box Seat (Big M5)	11.2013
8SL.354.161E	Terminal Box Seat (Big M5)	11.2013
8SL.354.162E	Terminal Box Seat (Big M5)	11.2013
8SL.354.167E	Terminal Box Seat (Big M5)	11.2013
8SL.354.167EM	Terminal Box Seat (Big M5)	11.2013
5SL.354.175.1-2E	Terminal Box (M6)	11.2013
5SL.354.176.1-2E	Terminal Box (M6)	11.2013

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



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(24) Certificate Nr: IEP 17 ATEX 0502

(25) List of Drawings;

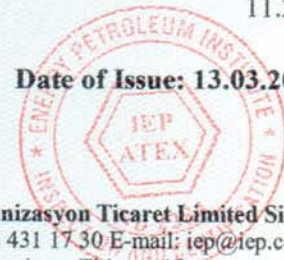
Drawing Nr ;	Drawing Name ;	Date ;
8SL.354.163E	Terminal Box Seat (M6)	11.2013
8SL.354.163EM	Terminal Box Seat (M6)	11.2013
8SL.354.164E	Terminal Box Seat (M6)	11.2013
8SL.370.003	Seal Ring (M6)	11.2013
8SL.371.003	Metal Gasket (M6)	11.2013
8SL.516.003.1-2	Terminal Lead (M6)	11.2013
8SL.516.003.3-4	Terminal Lead (M6)	11.2013
8SL.585.003	Connect Plate (M6)	11.2013
8SL.959.002	Bow Gasket	11.2013
8SL.950.007-009	Gasket (m5-M10)	11.2013
8SL.959.002	Gasket	11.2013
5SL.354.178E	Terminal Box (M8)	11.2013
8SL.354.166E	Terminal Box Seat (M8)	11.2013
8SL.354.166EM	Terminal Box Seat (M8)	11.2013
8SL.354.169E	Terminal Box Seat (M8)	11.2013
8SL.354.169EM	Terminal Box Seat (M8)	11.2013
8SL.585.024	Connect Plate (M8)	11.2013
8SL.516.069.1-2	Terminal Lead (M8)	11.2013
8SL.370.065	O-ring (M8)	11.2013
8SL.270.024	Slow Gasket (M8)	11.2013
5SL.354.180E	Terminal Box (M10)	11.2013
5SL.354.183E	Terminal Box (M16)	11.2013
5SL.354.184E	Terminal Box (M16)	11.2013
5SL.772.006	Terminal Set (M16)	11.2013
8SL.063.001	Connect Plate (M16)	11.2013
8SL.215.006	Thread Sleeve (M16)	11.2013
8SL.271.006	Stop Gasket (M16)	11.2013
8SL.062.007E	Terminal Broad (M16)	11.2013
8SL.354.158E	Terminal Box Seat (M16 Single)	11.2013
8SL.354.158EM	Terminal Box Seat (M16 Square)	11.2013
8SL.354.159E	Terminal Box Seat (M16 Square)	11.2013
8SL.354.171E	Terminal Box Cover (M16)	11.2013
8SL.354.171EM	Terminal Box Cover (M16)	11.2013
8SL.516.006.1-6	Connect Bolt (M16)	11.2013
8SL.585.006	Connect Plate (M16)	11.2013
8SL.950.006	Gasket (M16)	11.2013
8SL.959.002	Bow Gasket	11.2013
8SL.860.001CE	Blank Name Plate	11.2016
8SL.860.002CE	Name Plate	11.2016

Responsible Person:

Nurettin Terzioğlu

Head of Certification Body

Date of Issue: 13.03.2017



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5746/1 Sk. No:9 K:2 Bornova - İZMİR /TURKEY Tel: +90 232 431 17 45 – 46 Fax: +90 232 431 17 30 E-mail: iep@iep.com.tr Fr:45

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