IEP | ENERGY PETROLEUM INSTITUTE

IEP ATEX

Supplement Nr: 01

(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 14 ATEX 0262**

(4) Product: **Vx Series Vibration Motors**

(5) Firm Name: **MİKSAN MOTOR SANAYİ VE TİCARET A.Ş.**

(6) Firm Address: **BOSB Bakır ve Pirinç Sanayicileri Sitesi Menekşe Cad. No:1 Beylikdüzü – Büyükçekmece, Istanbul- TÜRKİYE**

(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. Sti., 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.10-651-1 date 27.11.2023.

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

EN IEC 60079-0 : 2018, 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 2D Ex tb IIIC T(120 °C) Db , IP 66

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE · IEP ATEX · NB 2284 · INSPECTION AND CERTIFICATION

Supplement 01 Date of Issue: 29.11.2023

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
5746/1 Sok. No:9 K:2 Bornova - IZMIR / TÜRKİYE
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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(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0262**

(15) Description of Equipment:

Vx series vibration motors are used in applications where vibration needs. These motors have two shaft weights. The engines are used in asynchronous AC motors.

Vx Series Vibration Motors are used in 21 and 22 dust zone area according to the EN 60079-10-2 standard.

The parts and materials that are used in Vx Series Vibration Motors has been determined in the page 13(VA), 18(VB), 24(VC), 30(VD), 36(VE), 41(VG) and 46(VH) of dated 02.05.2014

User manually 19 page and dated January 2023.

Technical data sheet: (VA, VB, VC, VD series)

Type	Centrifugal Force				Static Moment		Max. Input Power			Max. Current		
	kg		N		Kg mm		W			W		
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400V 50 Hz	400V 60 Hz	460 V 60 Hz	400V 50 Hz	400V 60 Hz	460 V 60 Hz
VA 2-80	80	65	785	638	8	4	0.17	0.19	0.20	0.60	0.66	0.60
VA 2-120	120	115	1177	1128	12	8	0.17	0.19	0.20	0.60	0.66	0.60
VA 2-200	200	230	1962	2257	20	16	0.17	0.19	0.20	0.60	0.66	0.60
VA 4-50	50	58	491	569	20	16	0.15	0.17	0.18	0.52	0.57	0.52
VA 4-80	80	86	785	844	32	24	0.15	0.17	0.18	0.52	0.57	0.52
VB 2-350	340	392	3335	3846	34	27	0.22	0.24	0.26	0.87	0.96	0.87
VB 4-200	210	202	2060	1982	84	56	0.17	0.19	0.20	0.72	0.79	0.72
VC 2-500	500	576	4905	5651	50	40	0.44	0.48	0.53	1.55	1.71	1.55
VC 2-700	700	720	6867	7064	70	50	0.44	0.48	0.53	1.55	1.71	1.55
VC 4-400	400	400	3924	3924	159	110	0.35	0.39	0.42	1.30	1.43	1.30
VC 4-600	570	576	5592	5651	227	159	0.35	0.39	0.42	1.30	1.43	1.30
VC 6-180	180	180	1766	1766	161	112	0.30	0.33	0.36	1.12	1.23	1.12
VC 6-250	250	258	2453	2531	224	160	0.30	0.33	0.36	1.12	1.23	1.12
VD 2-750	762	823	7475	8074	76	57	0.69	0.76	0.83	1.90	2.09	1.90
VD 2-1100	1048	1097	10281	10762	104	76	0.75	0.83	0.90	2.34	2.57	2.34
VD 4-750	750	756	7358	7416	298	209	0.60	0.66	0.72	1.73	1.90	1.73
VD 4-1100	1100	1080	10791	10595	437	299	0.70	0.77	0.84	2.16	2.38	2.16
VD 6-340	340	342	3335	3355	304	212	0.43	0.47	0.52	1.38	1.52	1.38
VD 6-500	500	490	4905	4807	447	305	0.43	0.47	0.52	1.55	1.71	1.55
VD 8-200	195	202	1912	1982	310	223	0.43	0.47	0.52	1.38	1.52	1.38
VD 8-300	290	288	2845	2826	461	318	0.43	0.47	0.52	1.55	1.71	1.55
Ambient Temperature: -15 °C ~ +40 °C												

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

(16) Certificate Nr: **IEP 14 ATEX 0262**

(17) Technical data sheet: **(VE, VG, VH series)**

Type	Centrifugal Force				Static Moment		Max. Input Power			Max. Current		
	kg		N		Kg mm		W			W		
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400V 50 Hz	400V 60 Hz	460 V 60 Hz	400V 50 Hz	400V 60 Hz	460 V 60 Hz
VE 2-1500	1480	1705	14519	16726	147	118	1.30	1.43	1.56	5.20	5.72	5.20
VE 2-1800	1770	2124	17364	20836	176	147	1.30	1.43	1.56	5.20	5.72	5.20
VE 2-2400	2360	2549	23152	25006	234	176	1.60	1.76	1.92	6.00	6.60	6.00
VE 4-1500	1480	1480	14519	14519	588	409	1.25	1.38	1.50	4.33	4.76	4.33
VE 4-1800	1740	1740	17069	17069	692	480	1.25	1.38	1.50	4.76	5.24	4.76
VE 4-2100	2080	2131	20405	20906	827	589	1.40	1.54	1.68	4.76	5.24	4.76
VE 6-800	792	806	7770	7907	708	501	0.65	0.72	0.78	2.95	3.25	2.95
VE 6-1000	950	938	9320	9202	850	584	0.75	0.83	0.90	3.63	3.99	3.63
VE 6-1400	1350	1370	13244	13440	1208	851	0.90	0.99	1.08	3.81	4.19	3.81
VE 8-520	510	526	5003	5160	811	581	0.50	0.55	0.60	2.68	2.95	2.68
VE 8-780	765	750	7505	7358	1217	830	0.55	0.61	0.66	2.77	3.05	2.77
VG 2-3000	2960	2847	29038	27929	294	197	3.00	3.30	3.60	8.70	9.57	8.70
VG 2-3800	3745	3949	36738	38745	372	273	3.00	3.30	3.60	8.70	9.57	8.70
VG 4-2600	2560	2599	25114	25496	1018	718	1.60	1.76	1.92	5.71	6.28	5.71
VG 4-3200	3290	3220	32275	31594	1308	890	1.90	2.09	2.28	6.58	7.24	6.58
VG 6-1700	1660	1703	16284	16709	1485	1058	1.10	1.21	1.32	4.15	4.57	4.15
VG 6-2200	2190	2448	21483	23171	1959	1058	1.40	1.54	1.68	4.84	5.32	4.84
VG 8-1000	1000	936	9810	9182	1590	1034	0.95	1.05	1.14	3.98	4.38	3.98
VG 8-1200	1200	1152	11772	11301	1908	1272	1.10	1.21	1.32	4.67	5.14	4.67
VH 2-4800	4800	4888	47088	47951	477	337	5.00	5.50	6.00	13.1	14.41	13.1
VH 4-4000	3981	4044	39053	39659	1583	1117	2.10	2.31	2.52	6.75	7.43	6.75
VH 4-4500	4584	4443	44969	43586	1823	1227	2.40	2.64	2.88	8.31	9.14	8.31
VH 6-2700	2683	2741	26320	26889	2400	1703	1.95	2.15	2.34	7.10	7.81	7.10
VH 6-3200	3175	3265	31147	32030	2840	2028	2.10	2.31	2.52	8.31	9.14	8.31
VH 8-1500	1500	1620	14715	15892	2386	1789	1.50	1.65	1.80	6.92	7.61	6.92
Ambient Temperature: -15 °C ~ +40 °C												

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

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(18) Certificate Nr: **IEP 14 ATEX 0262**

(19) Technical data sheet: **VK series**

Type	Centrifugal Force				Static Moment		Max. Input Power		Max. Current	
	kg		N		Kg mm		W		W	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400V 50 Hz	460 V 60 Hz
VK 4-5000	5000	5000	49050	49050	1988	1385	3600	4320	6.15	6.15
VK 4-6000	6000	5967	58860	58537	2386	1651	3600	4320	6.15	6.15
VK 6-3800	3800	3809	37278	37367	3399	2388	3200	3840	7.10	7.10
VK 6-4700	4700	4490	46107	44047	4204	1596	3200	3840	7.10	7.10
VK 6-5200	5200	5136	51012	50384	4652	3131	3200	3840	7.10	7.10
VK 8-2200	2200	2162	21582	21209	3499	2388	2500	3000	7.10	7.10
VK 8-2650	2650	2887	25997	28321	4214	3191	2500	3000	7.10	7.10
Ambient Temperature: -15 ~ +40 °C										

Technical Data Sheet **(VL series)**

Type	Centrifugal Force				Static Moment		Max. Input Power		Max. Current	
	kg		N		Kg mm		W		W	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400V 50 Hz	460 V 60 Hz
VL 2-6000	5994	5940	58801	58272	596	410	5500	6600	10.0	10.0
VL 2-7500	7415	7468	72741	73262	737	515	10000	12000	17.0	17.0
VL 2-9000	8900	8980	87309	88094	885	621	10000	12000	17.0	17.0
VL 4-7500	7423	7570	72820	74262	2951	2092	7000	8400	13.0	13.0
VL 4-9000	9197	9048	90223	88761	3657	2500	7000	8400	13.0	13.0
VL 6-6500	6598	6543	64726	64187	5902	4065	7500	9000	14.0	14.0
VL 6-8000	8175	7947	80197	77960	7313	4940	7500	9000	14.0	14.0
VL 6-9000	8798	9062	86308	88898	7870	5630	7500	9000	14.0	14.0
VL 8-3700	3711	3680	36405	36100	5902	4065	5000	6000	11.0	11.0
VL 8-4500	4598	4470	45106	43850	7313	4940	5000	6000	11.0	11.0
Ambient Temperature: -15 ~ +40 °C										

Product Code System

Vx x xxx

- Centrifugal force
- Number of poles
- Model name

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

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(20) Certificate Nr: **IEP 14 ATEX 0262**

(21) Essential Health and Safety Requirements :

This certificate is in the contents of standards that mentioned in item [9] It has been accepted that VX series vibration motors are manufactured according to the producer instructions and the standards mentioned above.

(22) Drawings:

VK Series, 18 pages date 01/23
VL Series, 16 pages date 01/23
VA Series, 16 pages date 01/23
VB Series, 11 pages date 01/23
VC Series, 14 pages date 01/23
VD Series, 17 pages date 01/23
VE Series, 15 pages date 01/23
VG Series, 14 pages date 01/23
VH Series, 17 pages date 01/23

VK Series, 1 page date 11.01.2023
VL Series, 1 page date 16.01.2023
VA Series, 1 page date 02.04.2014
VB Series, 1 page date 02.04.2014
VC Series, 1 page date 02.04.2014
VD Series, 1 page date 04.04.2014
VE Series, 1 page date 04.04.2014
VG Series, 1 page date 04.04.2014
VH Series, 1 page date 07.04.2014

For the validity of analysis type certificate, the parts that are used in Vx Series Vibration Motors are determined in confirmed table dated 10.01.2023.

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	29.11.2023	Standard revision (EN IEC 60079-0:2018) and scope addition
00	15.10.2014	First issue of certificate

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue: 29.11.2023

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