KOMECO

VIBRATION COMPENSATOR SYSTEM

References list

No.	Owner/Yard	Engine	Vib. Type	Model	Qty.	Year
1	Hyundai Heavy Industries Co., Ltd	10K98MC	H-moment	CT-20H	1	2003.06
2	Hyundai Heavy Industries Co., Ltd	5S50MC	H-moment	CT-20H	1	2004.08
3	Hyundai Heavy Industries Co., Ltd	12K98ME	H-moment	KT22H	1	2009.09
4	Hyundai Heavy Industries Co., Ltd	Various	H-moment	KT-65H	1	2010.11
5	Hyundai Heavy Industries Co., Ltd	Various	H-moment	KT-03H	1	2011.09
6	Hyundai Heavy Industries Co., Ltd	12K98ME	H-moment	KT-22H	1	2011.01
7	Hyundai Heavy Industries Co., Ltd	12K98ME	H-moment	KT-22H	1	2012.02
8	Hyundai Heavy Industries Co., Ltd	Various	2nd order	KT-40VA	1	2011.12
9	Doosan Engine Co., Ltd	Various	H-moment	KT-13H	1	2012.11
10	Hyundai Heavy Industries Co., Ltd	5S50ME	2nd order	KT-60VA	1	2013.05
11	Hyundai Heavy Industries Co., Ltd	5S50ME	2nd order	KT-60VA	1	2013.05
12	Hyundai Mipo Dockyard Co., Ltd	6S50ME	2nd order	KT-100VA	1	2013.07
13	Hyundai Mipo Dockyard Co., Ltd	6S50ME	2nd order	KT-100VA	1	2013.11
14	Hyundai Mipo Dockyard Co., Ltd	6S50ME	2nd order	KT-60VA	1	2013.06
15	Hyundai Mipo Dockyard Co., Ltd	6S50ME	2nd order	KT-60VA	1	2013.06
16	Hyundai Mipo Dockyard Co., Ltd	6S50ME	2nd order	KT-100VA	1	2014.03
17	Samsung Heavy Industries Co., Ltd	6S50ME	H-moment	KT-13H	1	2014.02
18	Samsung Heavy Industries Co., Ltd	6S50ME	H-moment	KT-13H	1	2014.04
19	DALIAN MARINE DIESEL Co., Ltd	5S50ME	2nd order	KT-160VA	1	2014.10
20	DALIAN MARINE DIESEL Co., Ltd	5S50ME	2nd order	KT-160VA	1	2014.12
21	DALIAN MARINE DIESEL Co., Ltd	5S50ME	2nd order	KT-160VA	1	2015.01
22	DALIAN MARINE DIESEL Co., Ltd	5S50ME	2nd order	KT-160VA	1	2015.04
23	DALIAN MARINE DIESEL Co., Ltd	5S50ME	2nd order	KT-160VA	1	2015.07

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KOMECO 금오기전주식회사

Vibration Compensator System



KOMECO has had lots of advanced technologies in measuring and reducing troublesome ship vibrations since 1995.

- Electric type vibration compensator has been developed to compensate ship troublesome ship vibration induced by marine propulsion system.
- Vibration compensator can be installed directly on the main engine, hull and near to propeller.
- KOMECO has three patents on vibration compensator.
  (PATENT NUMBER : 10-1089557, 10-1105209, 10-1202679)

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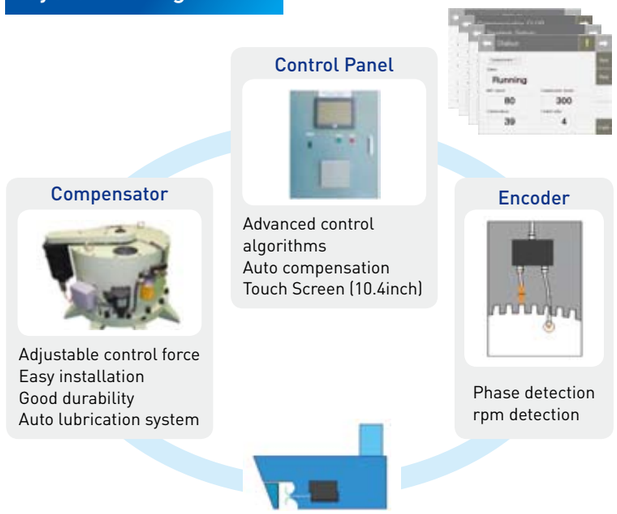
VIBRATION COMPENSATOR SYSTEM

System configuration



» Advanced control algorithms

Synchronization control : Two or more compensators can control synchronously.

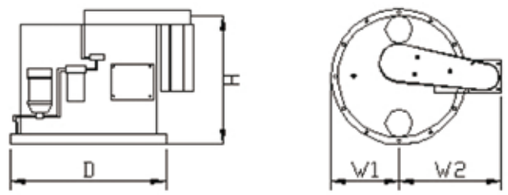
Follow-up control : Phase of vibration compensator is calculated by the optimal control algorithm.

» Selection of the control section

Conventional vibration compensator runs constantly even on unnecessary engine rpm ranges such as low RPM condition, causing waste of energy. Komeco's newly developed vibration compensator has "selection of the control section" function which can choose engine rpm range to run. By enabling this function, customers can decrease operating expenses of vessel by saving good amount of energy and still compensate vibration.

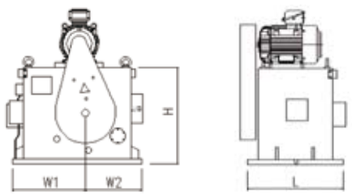
Dimension

H-type

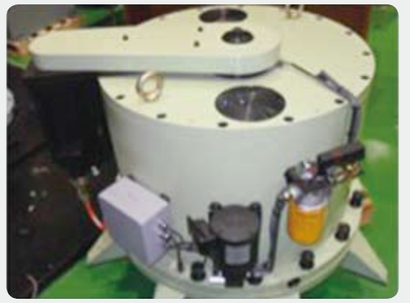


Type	D	H	W1	W2	Wight(ton)
KT-03H	527	396	228	313	0.6
KT-13H	730	645	365	522	1.1
KT-22H	906	640	400	606	1.4
KT-40H	946	735	421	621	1.7
KT-65H	1016	832	455	645	2.1

V-type



Type	H	W1	W2	L	Wight(ton)
KT-40VA	735	556	411	716	1.7
KT-60VA	821	621	460	800	2.2
KT-100VA	920	696	515	896	3.4
KT-120VA	1058	780	584	885	3.9
KT-160VA	1135	912	664	990	4.9
KT-200VA	1219	995	713	1102	7.6



| Horizontal compensator |



| Vertical compensator |

Compensator Selection Diagram

