

# RT-flex58T-D

## Countermeasures for dynamic effects

The following table indicates where special attention is to be given to dynamic effects and the countermeasures required to reduce them. Where installations incorporate PTO arrangements further investigation is required and Wärtsilä Switzerland Ltd, Winterthur, should be contacted.

Number of cylinders	External couples 2nd order balancer	Torsional vibrations	Axial vibrations	Lateral rocking side-stays	Longitudinal rocking longitudinal stays
5	A <sup>*1)</sup>	*2)	*3)	A	B
6	B <sup>*1)</sup>	*2)	*3)	B	C
7	C	*2)	*3)	C	C
8	C	*2)	*3)	A	C

### Remarks :

- \*1) No engine fitted 2<sup>nd</sup> order balancer available. If reduction of M2v needed, an external 2<sup>nd</sup> order compensator has to be applied.
  - \*2) Detailed calculations have to be carried out for every installation, countermeasures to be selected accordingly (shaft diameter, critical or barred speed range, flywheel, tuning wheel, damper).
  - \*3) An integrated axial damper is fitted as standard
- A: The countermeasure indicated is needed
- B: The countermeasure indicated may be needed and provision for the corresponding countermeasure is recommended.
- C: The countermeasure indicated is not needed.