

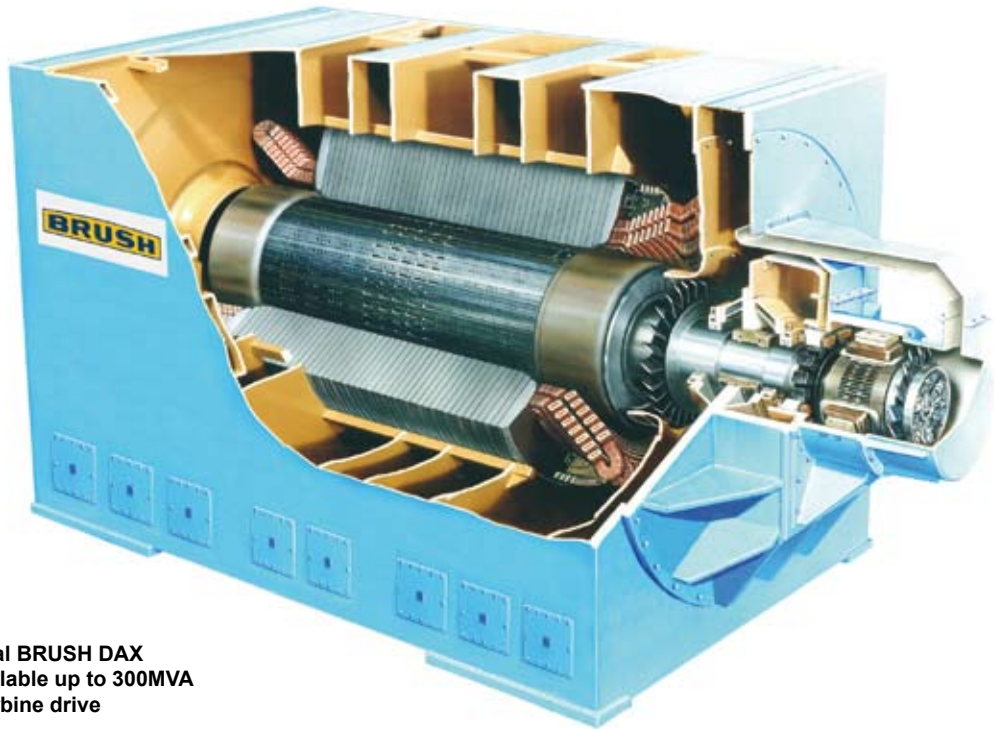


FRAME DESIGNATION

DAX TURBOGENERATORS

PRODUCT SPECIFICATION

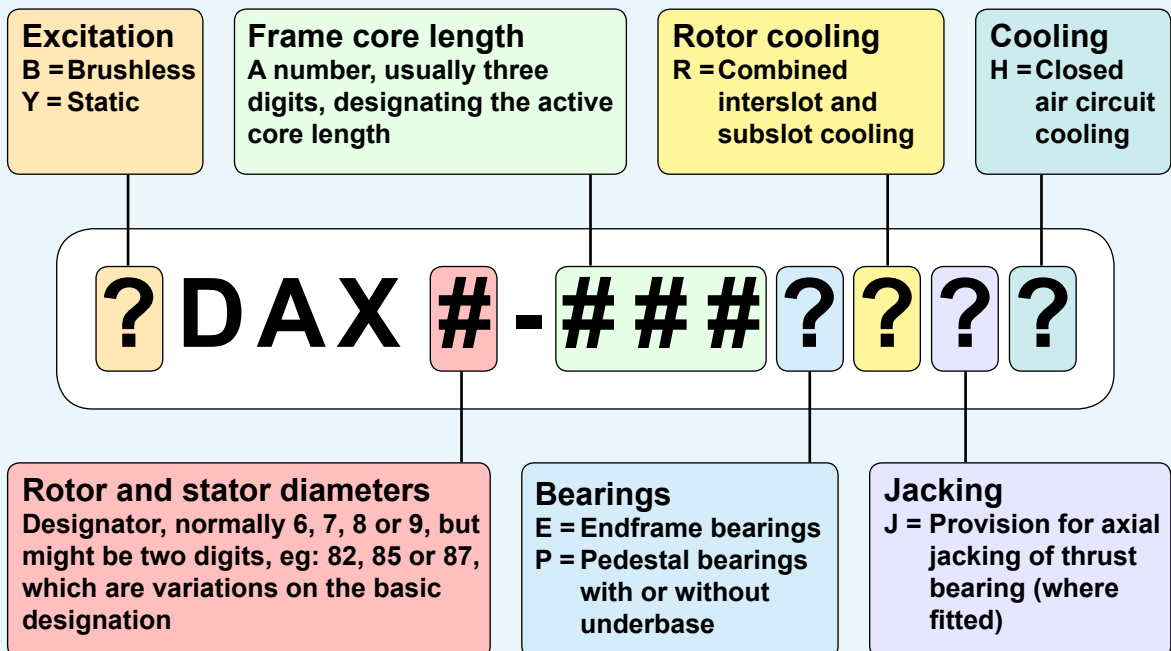
The DAX Turbogenerator Frame Designation Explained



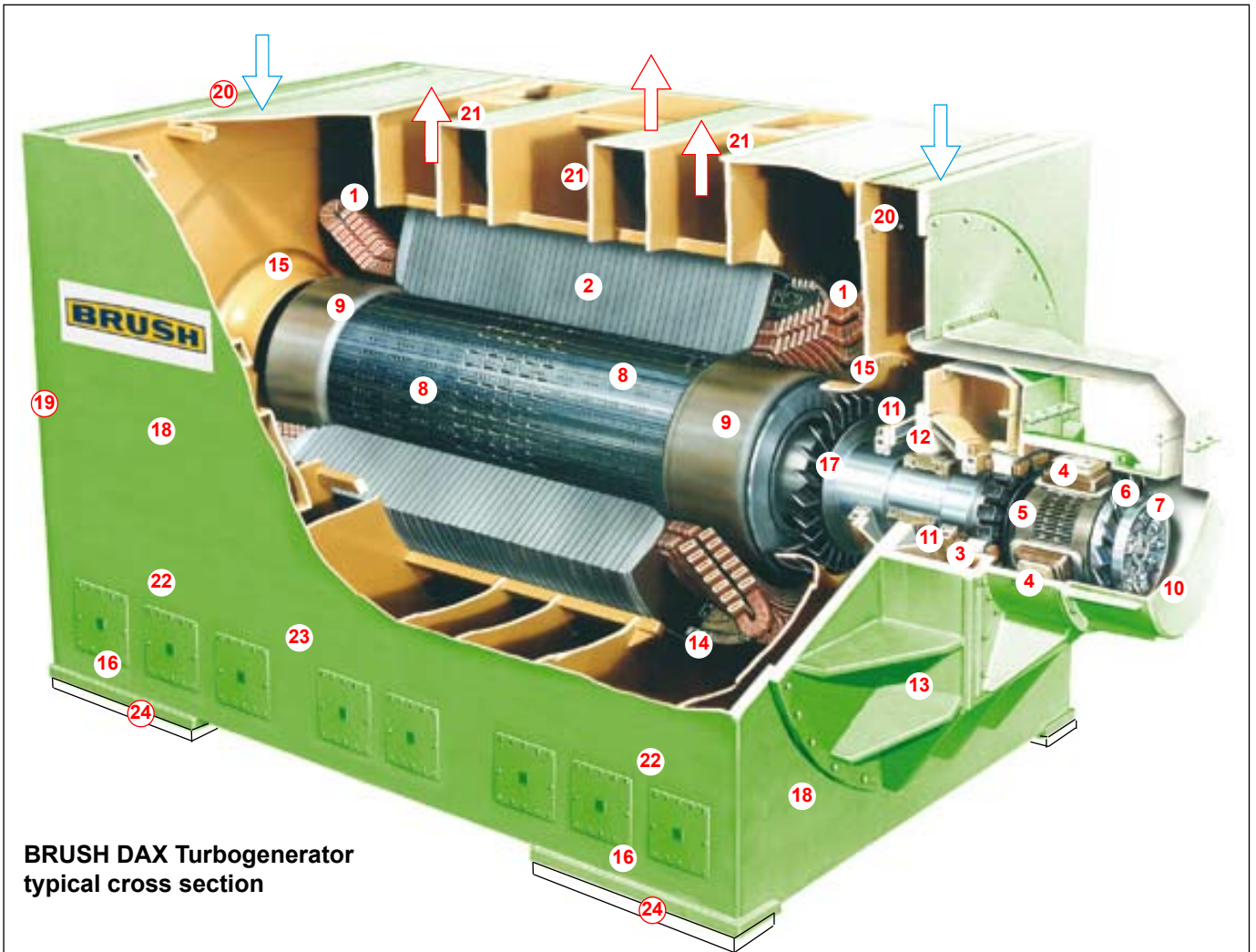
Cutaway of a typical BRUSH DAX turbogenerator available up to 300MVA for gas or steam turbine drive

Example: BDAX 7-290ERH

(Note: Some designations may have less or more characters for specific designs).



Components



**BRUSH DAX Turbogenerator
typical cross section**

- | | | |
|---|---|---|
| 1. Stator (armature) winding | 9. Endcap (retaining ring) | 18. Stator frame |
| 2. Stator core | 10. Non drive (exciter) end | 19. Drive (coupling) end |
| 3. Permanent magnet pilot exciter (PMG) | 11. Oil seals | 20. Cooling air inlets |
| 4. Exciter field | 12. Main bearing (one at each end) | 21. Cooling air exhausts |
| 5. Exciter armature | 13. Endframe | 22. Access to holding down bolts |
| 6. Exciter fan | 14. Winding supports | 23. Access to anti-condensation heaters |
| 7. Rotating rectifier (diode wheel) | 15. Fan shroud | 24. Soleplates |
| 8. Rotor | 16. Mounting feet | |
| | 17. Shaft mounted cooling fan (one at each end) | |



Certificate No 21024



Certificate No 21025



Certificate No 936683



Certificate No 00282



Certificate No 00066

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