



MOTOR FAMILY FIELD GUIDE

MAC vs MDD motor identification

Two familiar Indramat motor families can look similar while belonging to different feedback and drive-system generations.

For teams deciding which family page, manual and replacement path to use before requesting a match.

01	Start with the MAC or MDD family prefix - never from housing color or frame shape.
02	Read the complete speed, feedback, centering, shaft, brake and connection fields.
03	Confirm the connected drive system and installed feedback before considering a substitution.

At-a-glance comparison

CHECK	MAC	MDD
Family context	Legacy AC servo motor systems	Digital AC servo motor systems
Feedback evidence	Tacho and optional encoder fields may be configuration-critical	Digital servo feedback fields are configuration-critical
Mechanical evidence	Centering, shaft, brake and connector direction	Centering, shaft, brake and connector direction
Do not assume	Same frame means compatible	Same base model means every suffix is compatible

Use the applicable original Indramat planning manual for the exact family and revision. This guide is an identification checklist, not an interchangeability table.

READY FOR REVIEW?
Send the complete code, photos and machine context.

210-680-9570
sales@litcoautomation.com
www.indramat.com

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Motor photos to capture

- Full nameplate, front flange and shaft, rear feedback housing, power and feedback connectors.
- Surface blower or cooling hardware, holding brake details and any added encoder.
- Connected drive controller and its complete label.

Replacement review

- Compare family, frame and motor-length package.
- Verify winding or nominal-speed group and all feedback fields.
- Verify centering diameter, shaft style, brake and connector orientation.
- Treat factory special suffixes as meaningful until proven otherwise.

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