LEROY SOMER®

www.leroy-somer.com

POWERDRIVE

the power to choose...

iMAG
INDUSTRIAL MOTORS AND GEARS LIMITED

Industrial Motors and Gears Limited
Tel. 01642 467999
Mob. 07815 889460
Fax. 01642 467988
Email. sales@imag-uk.com
www.imag-uk.com

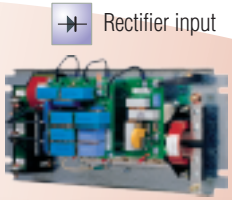
POWERDRIVE

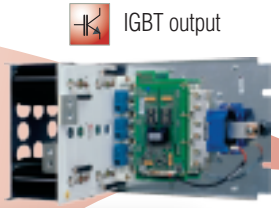
Flux vector variable speed drive

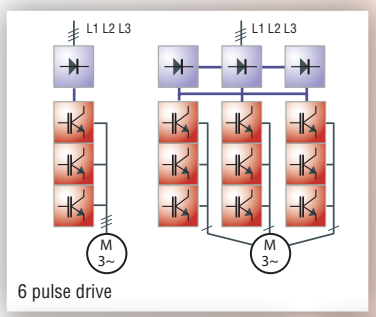
MODULAR DESIGN

From a simple drive to a system …
… an optimised configuration for each application

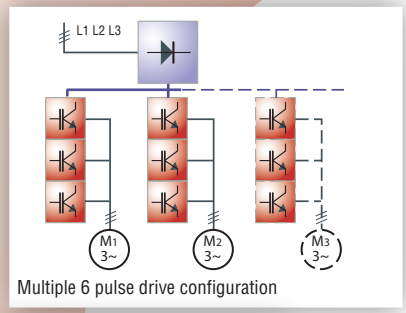
- Combination of input rectifier and IGBT output modules
- Air or liquid cooling
- Enclosure : IP 00, IP 21, IP 54



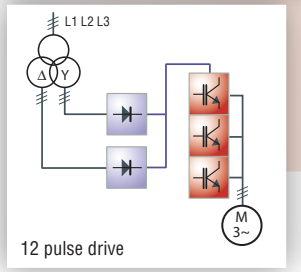




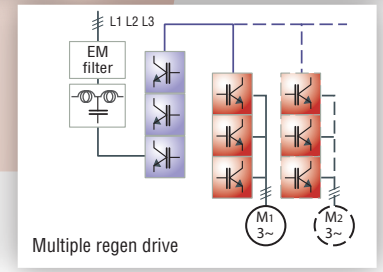
6 pulse drive



Multiple 6 pulse drive configuration



12 pulse drive

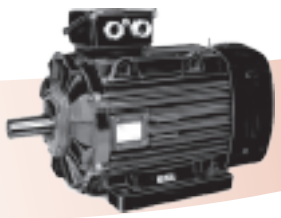


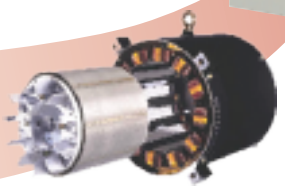
Multiple regen drive

Parameter cloning using **XpressKey**

FUNCTIONAL

- Fast programming using MMI, LCD key-pad or interactive software
- Can operate : A.C. motors, synchronous motors and H.P.M. (encoder or hall effect feedback)





** HPM : Hybrid Permanent Magnet*

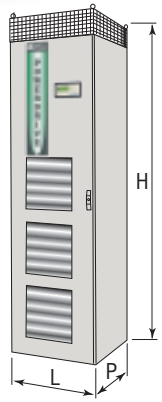
COMPACT

IP21 range - 6 pulse
Power supply : 48-62 Hz, 380-480 V ±10%

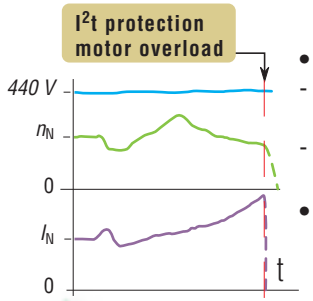
Example : 355 kW drive
6 pulse IP 21 or IP 54 :
600 x 600 mm

MD type	Overload high P (kW)	Overload low P (kW)	Overall dimensions (mm) H	L	P
180T	132	160			
200T	160	200			
270T	200	250	2160	600	600
340T	250	315			
400T	315	355			
470T	355	450			
600T	450	550	2160	1200	600
750T	550	650			

Contact LEROY-SOMER for other configuration



PROTECTION



- **Automatic test at each power-up**
  - Component tested : printed circuit board, power components, modules.
  - Short-circuit detection.
- **Real time recording of main drive data preceeding a trip fault protection.**

COMMUNICATION

- Parameter settings,
- Data transfer,
- Downloading of alarm status :
  - **via fieldbus : Profibus, CAN, Interbus, DeviceNet, Modbus, ETHERNET,**
  - **via module GSM**
  - **via MODEM**

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