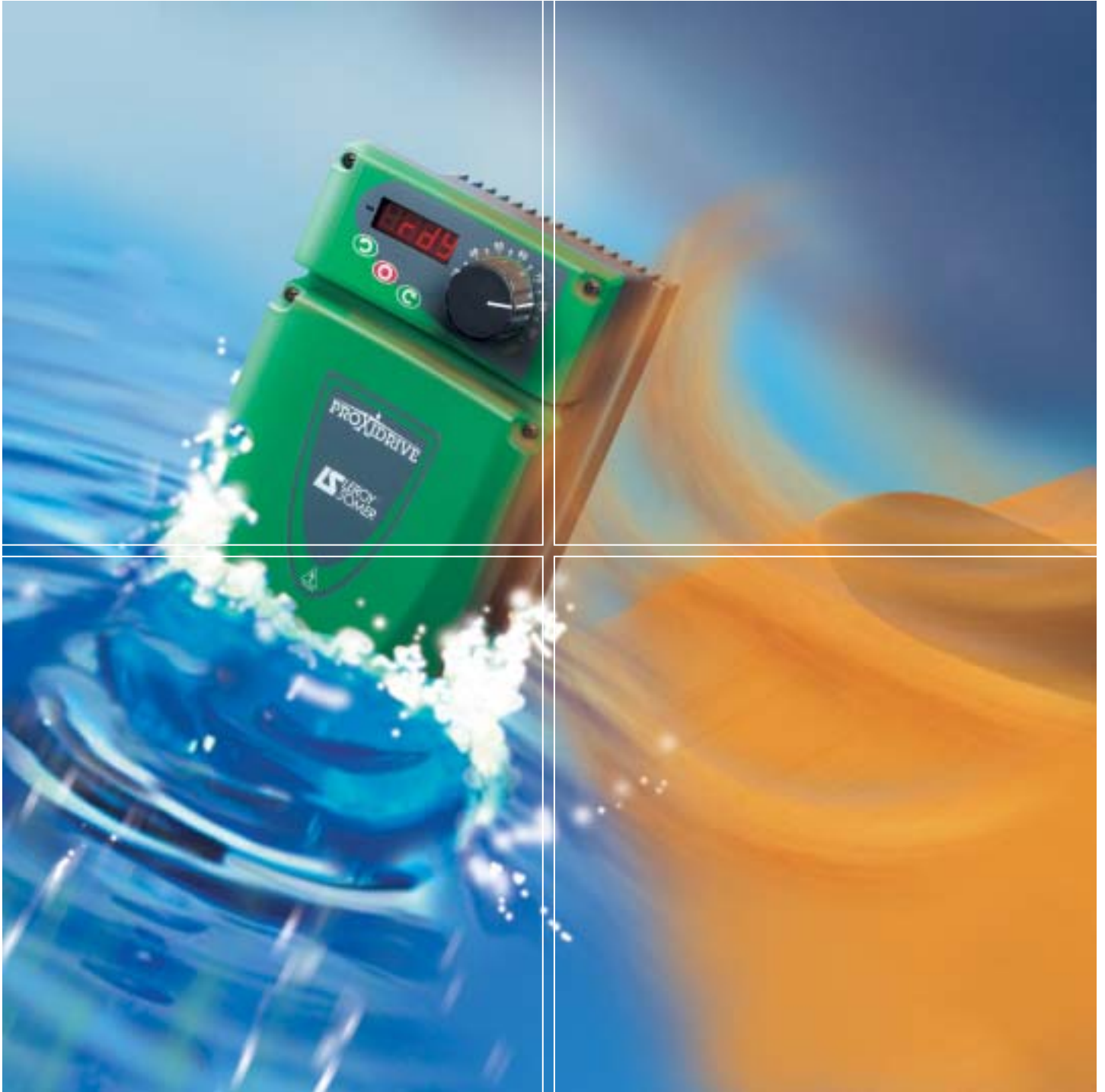




3741en - 09.2003/a




PROXIDRIVE

IP 66 - Nema 4X Variable Speed Drive

PROXIDRIVE

Decentralise drives "next to motors", whatever the environment. The latest solution to industrial needs.

LEROY-SOMER has developed a unique IP 66 - Nema 4X variable speed drive.



PROXIDRIVE *wash-down duty drive solution*

COMPLETELY INTEGRATED SOLUTION

EMC compliance

- Built-in RFI filter as standard up to 4 kW
- Complies to EN 50081-2 generic emissions standard with 5m motor cable
- Earth leakage current < 3mA

PLC features

Numerous PLC function blocks allowing machine automation to be programmed directly from PROXIDRIVE

Inputs - Outputs

Up to 20 programmable analog and digital input - output

Secure disable input

Complies to EN 954-1 category 3 safety standards without any line contactor

Field bus

Field bus connectivity



High performance

- Open loop vector control
- V to F control
- Closed loop vector control with encoder feedback module

Motor brake control

- Brake output command
- AC power supply from static contactor

• Sealed enclosure

IP 66
NEMA 4 X

• Robust

Impact resistance index
IK 08

• Wash-down duty

Proxidrive has been designed giving special attention to hygienic design criteria published by EHEDG and the FDA

- Specific enclosure material aid easy cleaning with slopes greater than 3 degrees from horizontal and radius above 6 mm
- Material surface complies with industry recommendations

DRIVE SET UP : the right tool for each application

Instantaneous

Parameter settings programmed at the factory combined with auto-tuning allows immediate starting in most applications

Easy

- 1- Connect
- 2- Press
- 3- Start

Application settings are downloaded from the **XPressKey** by the simple push of a button

Fast

- PROXIDRIVE offers 12 preset parameter configurations to suit the most common industrial applications
 - Analog signal input command
 - Combination of one analog input and three preset speeds
 - up to 8 preset speed operation
 - Motorised potentiometer
 - PID loop control
 - Torque control
 - Pump or fan regulation
 - Hoist and crane control ...
- The selection of one of the above preset configurations automatically programs the drive and its corresponding control terminals

Optimised

The extremely user friendly **PX-LCD** programming keypad and **PROXISOFT** commissioning software allow access to a multitude of functions for complete drive programming

- Multi-language display
- Interactive programming assistance
- Access to advanced parameter settings
- Supervision
- Diagnostic (diagnosis) tool



A FLEXIBLE DRIVE

Easy access to operator functions

- Run forward
- Run reverse
- Stop
- User friendly potentiometer
- Can be combined with remote signal
- Programmable key and potentiometer
- Access to advanced parameters by **PX-LCD** keypad or PC tools

Residential EMC compliance

- Optional IP 66 RFI filter :
- to comply with EMC residential level
 - for 5.5 and 7.5 kW
- PROXIDRIVE

Electrical lock

A lockable IP 65 power switch connectable upstream or down stream from the drive and located on the right or the left of PROXIDRIVE is offered as an option

Local control

Dynamic braking

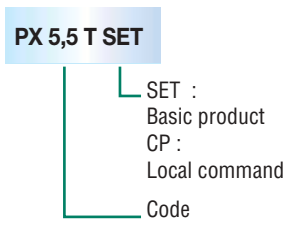
Wash-down duty braking resistor fits rear heat-sink

PROXI System

For more elaborate system, LEROY-SOMER offer on request a pre-wired IP 66 Nema 4X control wich incorporates all the necessary components for the application

Designation - Characteristics

Example of catalogue number :



	P motor (kW)	Code	I _N (A)	H (mm)	W (mm)	D (mm)	Weight (kg)
THREEPHASE 208-240 V 50-60 Hz	0.37	1 TL	2.1	310	175	170	4.7
	0.55	1,2 TL	3				
	0.75	1,5 TL	4.2				
	1.1	2 TL	5.8	310	175	200	6.7
	1.5	2,5 TL	7.6				
	2.2	3,5 TL	9.5				
THREEPHASE 380-480 V 50-60 Hz	3	4,5 TL	12.9	310	250	210	8.8
	4	5,5 TL	16.1				
	0.75	1,5 T	2.1	310	175	170	4.7
	1.1	2 T	3				
	1.5	2,5 T	4.2				
	THREEPHASE 380-480 V 50-60 Hz	2.2	3,5 T	5.8	310	175	200
3		4,5 T	7.6				
4		5,5 T	9.5				
THREEPHASE 380-480 V 50-60 Hz	5.5	8 T	12.9	310	250	210	8.8
	7.5	11 T	16.1				