GLOBAL PUMP SOLUTION DOOCH

60Hz

• XQ-DRIVE   • NSQ-DRIVE   • SQ2-DRIVE   • TM10.1

VARIABLE FREQUENCY DRIVE

ALL-IN-ONE INTELLIGENT PUMP CONTROLLER

dooch
두크펌프

MOTOR-INDEPENDENT, MICROPROCESSOR BASED
ENERGY SAVING PUMP CONTROL SYSTEM.

XQ-Drive

NSQ-Drive

SQ2-Drive

	XQ-Drive	NSQ-Drive	SQ2-Drive
Single phase model	-	-	Available power : 1.1~2.2kW Input power : 1Phase, 200~230V Output power : 3Phase, 200~230V
Three phase model	Available power : 0.75~22kW Input power : 3Phase, 380~440V Output power : 3Phase, 380~440V	Available power : 0.75~22kW Input power : 3Phase, 380~440V Output power : 3Phase, 380~440V	-
Main frequency	50/60Hz	50/60Hz	50/60Hz
IP Class	IP55	IP55	IP55
Ambient temperature	-10~+40 C°	-10~+40 C°	-10~+40 C°
Connections	RS485 port	RS485 port (OPTION)	-
Pressure transmitter	4~20mA	4~20mA	4~20mA
Display	Graphic LCD type (3.5")	FND type (5 digits)	FND type (5 digits)
Built-in-devices	Built-in EMC filter (IEC61800-3) Built-in DC reactor	External (OPTION)	External (OPTION)

Features

- Full-color display
- User-friendly touch screen interface
- Easy to set pressure
- Icons include; History of run/alarm and other various information
- Languages include; Korean/English/Chinese
- Integral monitoring system; gather information of each drive via CAN communication
- Comfortable UX Interface/GUI; high-quality user recognition rate & operability
- Easy firmware upgrade with usb port

Configuration of LCD Monitor

Category	Screen layout
1	Pump status
2	Trend
3	Current date/time
4	Current pressure value
5	Run/Stop
6	Settings
7	Current operation ratio/ Total flow rate
8	Run history
9	Indicator
10	Current pressure

Functions

- Lcd touch screen – Large LCD screen; indicate various information graphically
- Language selection – Korean(Standard)/English/Chinese
- Digital I/O function – Run system by external digital input/control function; stop, alarm etc.
- Analog I/O function – Convert 4~20mA of external signal internally or internal signal externally
- Schedule run – Operatable in different pressure values by time/date/month
- Record & save run history – Record and save various run histories in SD card on a real-time basis
- Indicate & save alarm content – Indicate and save various alarm/breakdown content
- Remote monitoring system – Monitor running status & alarm remotely with integrated contact
- CAN communication – Connected with booster pump system
- RS-485 communication – Connected with external devices