



PUMP SOLUTIONS

READY TO USE, FAST TURNAROUND
PACKAGED SOLUTIONS FOR PUMPING APPLICATIONS
POWERED BY OUR PUMP DRIVE F600

DRIVE OBSESSED



PACKAGED SOLUTIONS

FOR YOUR PUMPING APPLICATIONS

Control Techniques has set the standards in motor control since 1973.

Save engineering cost, resources, and time through pre-engineered packaged drive systems to control single and multiple pump applications without a costly PLC. Control Techniques' pre-configured pump packages contain our industry designed F600 Pump drive developed with easy-to-use pump application specific software functions, real-time clock, Hand/Off/Auto LCD keypad, input disconnect switch, and space for several power options inside a robust UL Type 3R enclosure. In addition, Control Techniques' Drive Free Standing (DFS) and Wall Mount Panels (WMP) are ready for fast deployment and can scale to nearly any pump size and functional requirement.



PERFORMANCE IN HARSH ENVIRONMENTS

- Outdoor UL TYPE 3R ratings
- Surge arrestor provides transient voltage surge suppression
- Circuit breaker disconnect with high SCCR ratings
- Service Entrance Rated (UL508A)
- Designed for Field Serviceability

SIMPLE TO SET-UP

- Easy to configure pumping solution – start running in minutes.
- Intuitive setup tools with keypad, HMI, and/or PC Software.
- Common pump control system features included without need for pump controller
- Live troubleshooting and setup assistance from our pump experts
- Simple to configure single or multi-pump applications



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WMP PUMP - WALL MOUNTED PANELS

460 Vac | 3 Phase Input and Output | Keypad or HMI | N3R

WMP Base Model	HP	Amps (104°F / 40 °C)	Amps (122 °F / 50 °C)
F600-WMP154	5	10.4	10.4
F600-WMP164	10	18.5	18.0
F600-WMP184	20	30	25.5
F600-WMP1A4	25	38	38
F600-WMP1B4	30	48	48
F600-WMP1C4	40	63	63
F600-WMP1D4	50	79	79
F600-WMP1E4	60	94	94
F600-WMP1F4	75	112	112
F600-WMP1G4	100	155	155
F600-WMP1H4	150	184	184

*Horsepower ratings reflect typical 4-pole 60 Hz motors.
For correct drive selection, use motor nameplate Amps.

Ratings

Power Range: 5 – 150 HP

Supply Voltage: 460 VAC

Motor Current: 10 – 184 A

Rated for use as "Service Equipment"

DESIGNED FOR PUMPING DRIVE:

- F600 Pump Drive
- Leg or Wall Mount options
- Spare/Repair kits available



SOFTWARE INCLUDED

PUMP CONTROL MODES:

- Single Pump/Simplex
- Cascade/Duty Assist
- Multi-leader/Multiplex

ENVIRONMENT:

- Air cooled UL Type 3R
- Anti-condensation heaters

OPERATOR CONTROLS:

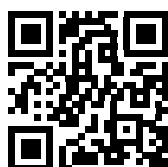
- Door mount HMI or keypad
- Intuitive pumping specific HMI with guided set up
- Real Time Clock keypad
- Network options available

DIMENSIONS

UL TYPE 3R NEMA 3R without Leg Kit						
WMP Size	Width		Depth		Height**	
	in	mm	in	mm	in	mm
154, 164	24	610	18	458	35	889
184, 1A4	24	610	18	458	41	1042
1B4, 1C4	24	610	20	508	47	1194
1D4, 1E4, 1F4	36	915	22	559	56	1423
1G4, 1H4	36	915	22	559	67	1702

**Add 18" (458 mm) height for leg kit.

Scan the QR Code to find out more about our Pumping Solutions



Optional Touchscreen HMI

DFS PUMP - FREE STANDING DRIVES

460 Vac | 3 Phase Input and Output | 50°C | 122°F Ambient

Frame Size	HP*	Amps
F600-DFS1G4	125	155
F600-DFS1H4	150	184
F600-DFS1J4	175	221
F600-DFS1K4	200	253
F600-DFS1L4	250	320
F600-DFS1M4	300	343
F600-DFS1N4	350	437
F600-DFS1P4	400	462
F600-DFS2L4	500	608
F600-DFS2M4	550	651
F600-DFS2N4	700	830

*Horsepower ratings reflect typical 4-pole 60 Hz motors.
For correct drive selection, use motor nameplate Amps.

Ratings

Power Range: 125 – 700 HP

Supply Voltage: 460 VAC

Motor Current: 155 – 830 A

Rated for use as "Service Equipment"

HIGH HP PUMPING

DRIVE:

- F600 Pump Drive
- Low harmonic options available

PUMP CONTROL MODES:

- Single Pump / Simplex
- Cascade / Duty Assist
- Multi-leader / Multiplex

ENVIRONMENT:

- Air Cooled UL Type 3R
- Anti-Condensation heaters
- Interior lighting options
- Plinth-base height options

OPERATOR CONTROLS:

- Suite of door mounted controls including:
- Intuitive pumping specific HMI with guided set up
- Real -Time Clock keypad
- Pushbuttons and Pilot Devices



**SOFTWARE
INCLUDED**

DIMENSIONS

UL TYPE 3R NEMA 3R						
Size	Width		Depth		Height	
	in	mm	in	mm	in	mm
DFS1	23.6	600	36.4	923.8	85.0	2159
DFS2	70.8	1800	36.4	923.8	85.0	2159

Scan the QR Code to
find out more about
our Pumping Solutions



Nidec

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