

# FR-FSU

## IP20 Floor Standing Unit for FR-F740

**Versatile, integrated on-site installation**  
Freedom from switchgear cabinets



IP20 physical contact protection in a freely-locatable floor-standing unit



Fast installation – everything is installed directly at the machine



Versions with integrated power circuit breaker available



Comes with a complete installation kit, including internal cabling, terminals and fastening material

# Floor Standing Unit for FR-F740 Frequency Inverters



## FR-FSU – A practical option for your frequency inverters

This new installation option for frequency inverters of the FR-F 740 series (in the 45 – 630 kW range) enables floor-standing installation of a frequency inverter system maintaining an IP20 protection rating for installation in an electrical operating area.

## The pre-configured alternative to switchgear cabinets

The sturdy FSUs come pre-configured and can also accommodate a DC reactor or (if necessary) an additional EMC filter.

This cuts costs by eliminating time-consuming switchgear cabinet planning and configuration and all the associated problems, such as complex cooling. Since you no longer need a cabinet you also no longer need a separate switch. A version with an integrated power circuit breaker is also available for applications with more critical safety requirements.

## Quick and easy on-site installation

The separate FSU enables fast and trouble-free on-site installation. The unit comes with all necessary screws and cabling and a terminal block that significantly simplifies connection of the input and output cables. Since all holes are pre-drilled installation is usually completed in an hour or less.



FR-F740 mounted on a FR-FSU

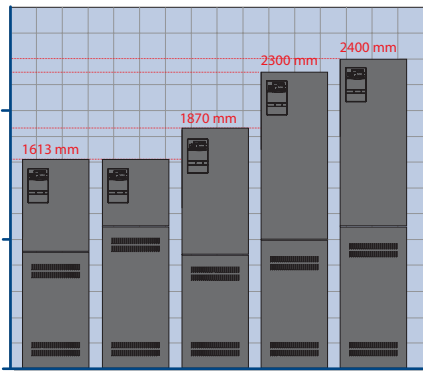


Internal view of the Floor Standing Unit

The FSU design allows both installation up against a wall and a free-standing configuration. It comes complete with a back panel so that it is completely enclosed on all sides. Cabling can be routed into the unit from below or from the side.

## A choice of system heights

The FSU options are available in a variety of sizes for frequency inverters of different capacities. This means that in some cases the complete systems are the same height, even with inverters of different classes, for a harmonious visual impression.



System heights

## A quality European product

- High-performance terminals in aluminium and copper (heavy-duty version) for fast and easy connection of all cabling
- C-rail for fastening the heavy cable
- CAD graphics for planning and configuration available
- Ready for installation of a DC reactor or EMC filter (depends on model)
- No switchgear cabinet temperature problems (frequency inverter power dissipation)
- Attractive design, multiple assembled units have a harmonious appearance
- Maintenance-free, no air filters to replace



IPU connection box

## IPU 20 for frequency inverters up to 55 kW

A connection box for fast conversion of the frequency inverter to an IP20 rating is available for inverters in the 37 – 55 kW output range. The box is installed directly beneath the inverter, which means that it can also be used to provide IP20 protection for inverters installed outside the switchgear cabinet.

The additional cabling space the box provides makes the wiring and connection work easier. Screw cable glands hold the cables firmly and securely.



FR-F740 with mounted IPU connection box

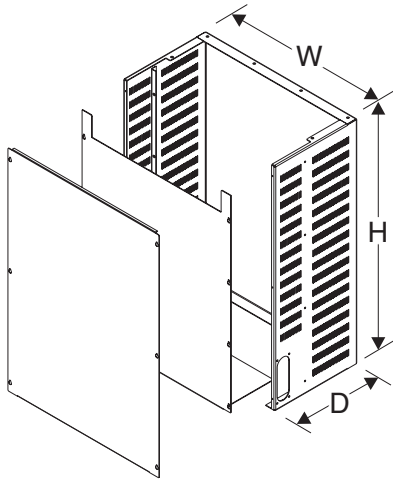
Frequency inverter	Floor standing unit	Package contents	Circuit breaker type
FR-F740-00930 – 01800	FR-FSU-01800	FSU with installation kit, IP20 protection rating	—
FR-F740-02160 – 02600	FR-FSU-02600		—
FR-F740-03250 – 03610	FR-FSU-03610		—
FR-F740-04320 – 04810	FR-FSU-04810		—
FR-F740-05470 – 06830	FR-FSU-06830		—
FR-F740-07700 – 08660	FR-FSU-08660		—
FR-F740-09620 – 12120	FR-FSU-12120*		—

\* This FSU has power rail connections instead of power terminals.

Frequency inverter	Floor standing unit	Package contents	Circuit breaker type
FR-F740-01160 – 01800	FR-FSU-01800-RE250	FSU with circuit breaker, incl. installation kit, IP20 protection rating	NF250-SGW (125–250 A)
FR-F740-02160	FR-FSU-02600-RE250		NF250-SGW (125–250 A)
FR-F740-02600	FR-FSU-02600-RE250		NF400-SEP (200–400 A)
FR-F740-03250 – 03610	FR-FSU-03610-RE400		NF400-SEP (200–400 A)
FR-F740-04320 – 04810	FR-FSU-04810-RE630		NF630-SEP (300–630 A)
FR-F740-05470	FR-FSU-06830-RE630		NF630-SEP (300–630 A)
FR-F740-06100 – 06830	FR-FSU-06830-RE800		NF800-SEP (400–800 A)
FR-F740-07700 – 08660	FR-FSU-08660-RE1000		NF1000-SS (500–1000 A)

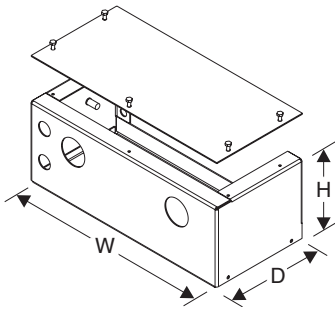
Frequency inverter	Connection box	Package contents	Circuit breaker type
FR-F740-00770	FR-IPU20-00770	Connection box, incl. installation kit, IP20 protection	—
FR-F740-00930 – 01160	FR-IPU20-001160	Connection box, incl. installation kit, IP20 protection	—

# Dimensions ///



Floor Standing Unit	Dimensions FSU (WxHxD)	Overall Dimensions* (WxHxD)
FR-FSU-01800	435 x 1100 x 240 mm	435 x 1613 x 250 mm
FR-FSU-02600	465 x 1030 x 290 mm	465 x 1613 x 300 mm
FR-FSU-03610	465 x 910 x 350 mm	465 x 1613 x 360 mm
FR-FSU-04810	498 x 890 x 370 mm	498 x 1870 x 380 mm
FR-FSU-06830	680 x 890 x 370 mm	680 x 1870 x 380 mm
FR-FSU-08660	790 x 1107 x 430 mm	790 x 2400 x 440 mm
FR-FSU-12120	995 x 757 x 430 mm	995 x 2300 x 440 mm
FR-FSU-01800-RE250	435 x 1100 x 240 mm	435 x 1613 x 250 mm
FR-FSU-02600-RE250	465 x 1030 x 290 mm	465 x 1613 x 300 mm
FR-FSU-02600-RE400	465 x 1030 x 290 mm	465 x 1613 x 300 mm
FR-FSU-03610-RE400	465 x 910 x 350 mm	465 x 1613 x 360 mm
FR-FSU-04810-RE630	498 x 890 x 370 mm	498 x 1870 x 380 mm
FR-FSU-06830-RE630	680 x 890 x 370 mm	680 x 1870 x 380 mm
FR-FSU-06830-RE800	680 x 890 x 370 mm	680 x 1870 x 380 mm
FR-FSU-08660-RE1000	790 x 1107 x 430 mm	790 x 2400 x 440 mm

\* Frequency inverter and FSU



Floor Standing Unit	Dimensions FSU (WxHxD)	Overall Dimensions* (WxHxD)
FR-IPU20-00770	325 x 150 x 123.5 mm	325 x 663 x 195 mm
FR-IPU20-001160	435 x 150 x 123.5 mm	435 x 663 x 250 mm

\* Frequency inverter and IPU

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