

Ilość Opis

1 MAGNA3 D 65-150 F



Uwaga! Zdjęcie produktu może się różnić od aktualnego

Nr katalogowy: [97924494](#)

The Grundfos MAGNA3 D circulator pump is the ideal choice for almost any building project – old or new. With its unrivalled energy efficiency, all-encompassing range and built-in communication capabilities, MAGNA3 D is ideal for engineers and specifiers looking to create high-performance heating and cooling systems.

The pump is maintenance-free due to the canned-rotor type design. This also means that pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid.

MAGNA3 D offers three multipump modes: Alternating, backup and cascade operation.

In alternating and backup operation, only one pump operates at a time, both ensuring constant comfort.

In alternating operation, the change from one pump to the other depends on time or energy.

If a pump fails, the other pump will take over automatically.

In backup operation, the backup pump is operated at intervals to prevent seizing up.

If the duty pump stops due to a fault, the backup pump will start automatically.

In cascade operation, the pumps automatically switch on and off, adapting to the current consumption in the system.

The two pumps communicate wirelessly.

MAGNA3 D features an intuitive display and allows you to connect wirelessly with the Grundfos GO Remote app, giving you access to advanced reporting and monitoring.

MAGNA3 model E has Bluetooth, which allows you to connect directly to Grundfos Go app on your smart phone without any need for a dongle.

The pump includes fieldbus communication via CIM modules as well as analog and digital inputs and configurable relays.

Control features include AUTOADAPT and FLOWADAPT. FLOWADAPT which reduces the need for throttling valves, thus cutting costs on system components.

MAGNA3 D is the superior choice for a wide range of heating and cooling applications, including:

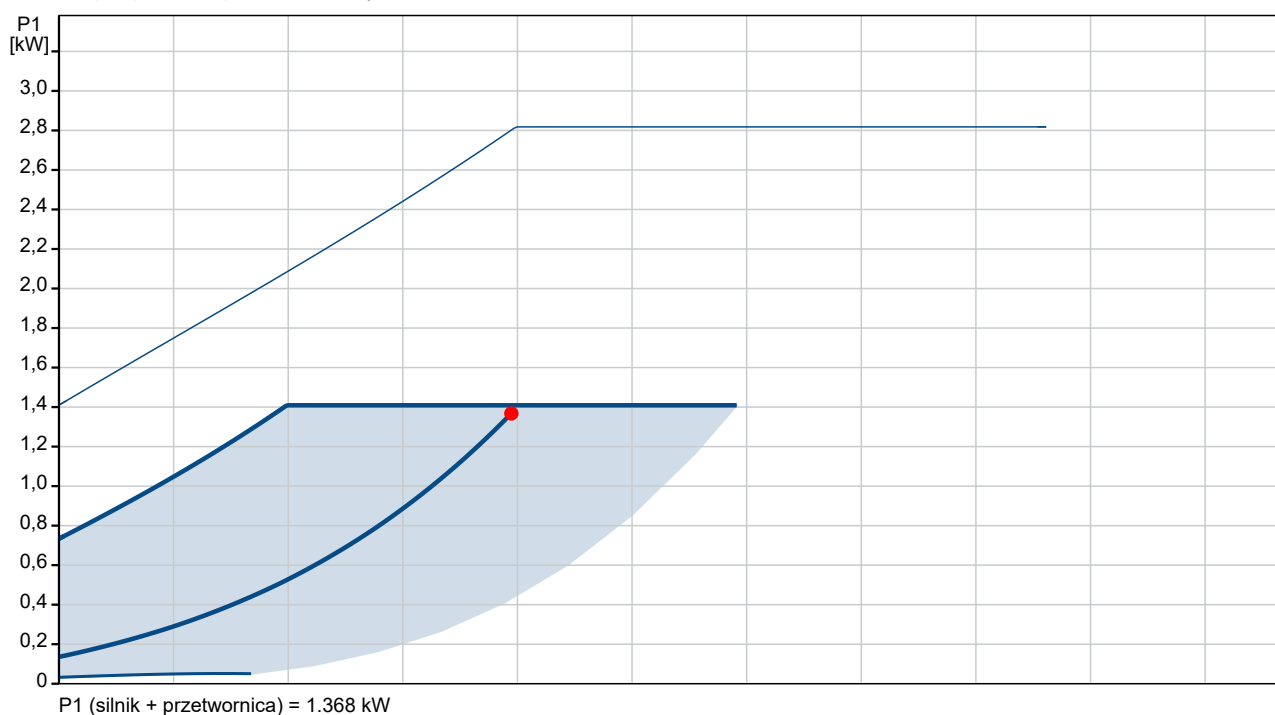
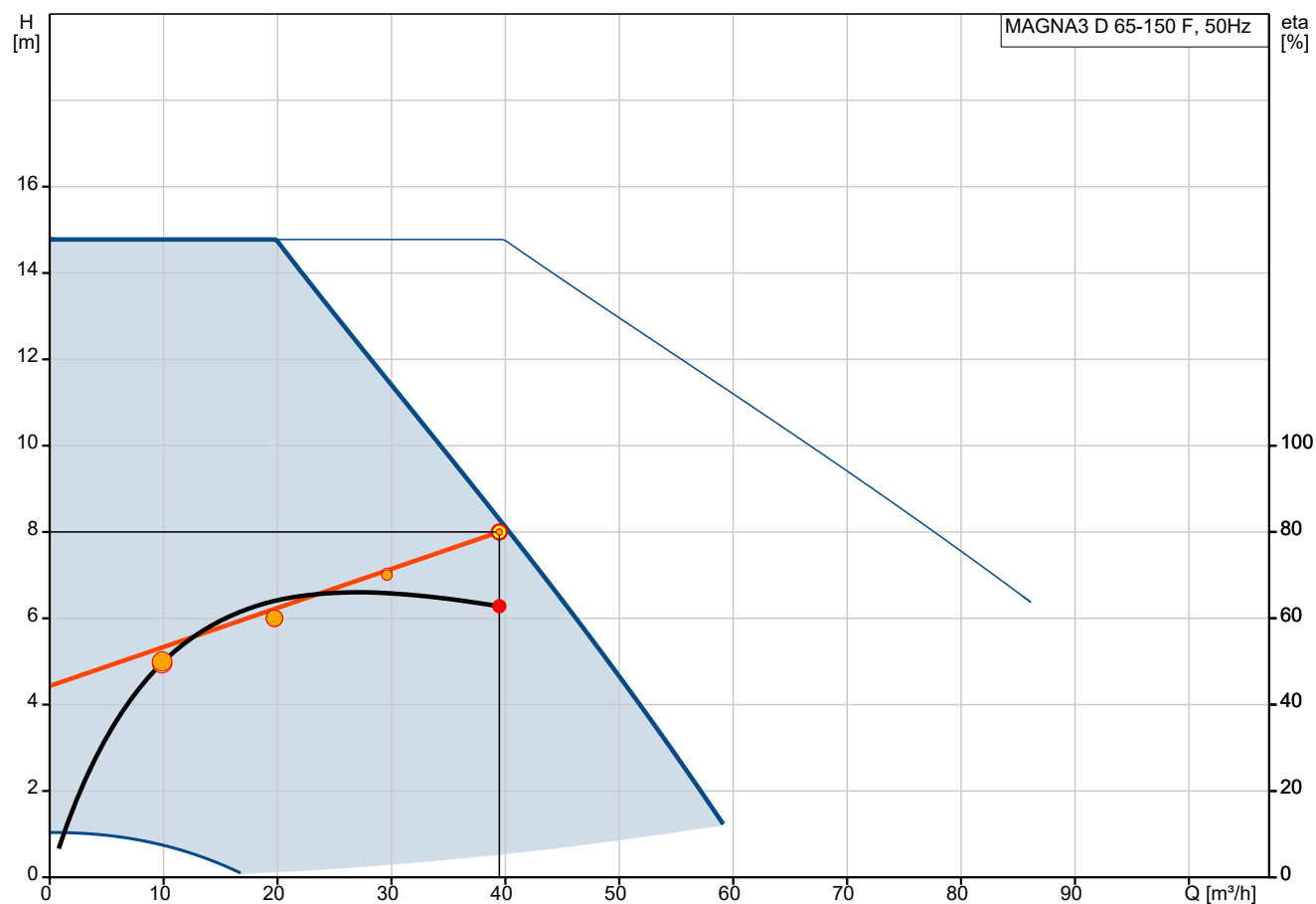
- Mixing loops
- Heating surfaces
- Air conditioning surfaces
- Ground-source heat pump systems
- Smaller chiller applications.

MAGNA3 D is a single-phase pump and characterised by having the controller and display integrated in the control box. The pump also has a built-in differential-pressure and temperature sensor.

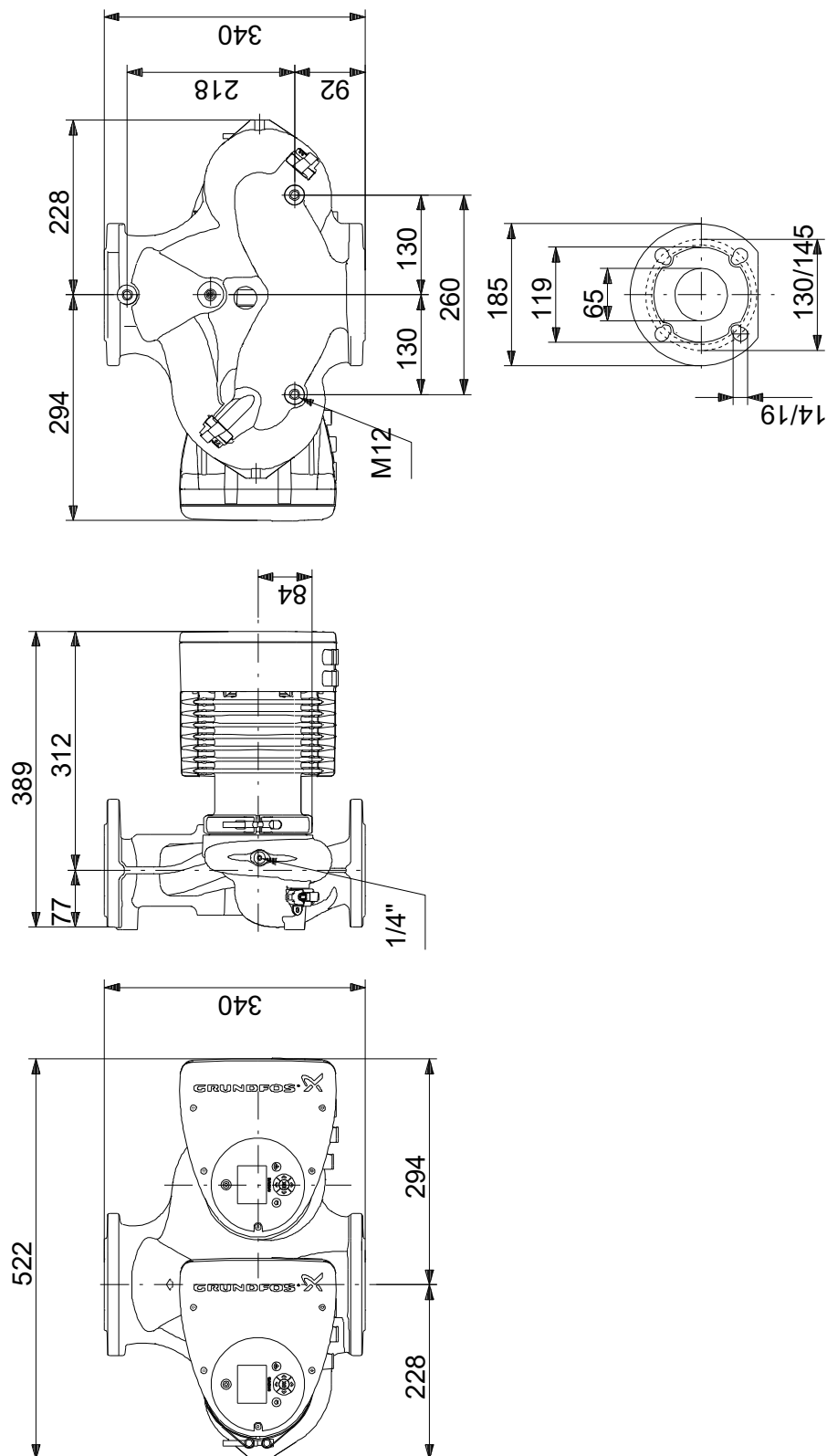
The pump housing is available in both cast-iron and stainless-steel versions. The composite rotor can is carbon-fibre reinforced, the bearing plate and rotor cladding are made of stainless steel and the stator housing is made of aluminium. The power electronics are air-cooled.

MAGNA3 incorporates a 4-pole synchronous, permanent-magnet motor (PM motor). This motor type is characterised by higher efficiency than a conventional asynchronous squirrel-cage motor. The pump speed is controlled by an integrated frequency converter.

97924494 MAGNA3 D 65-150 F 50 Hz

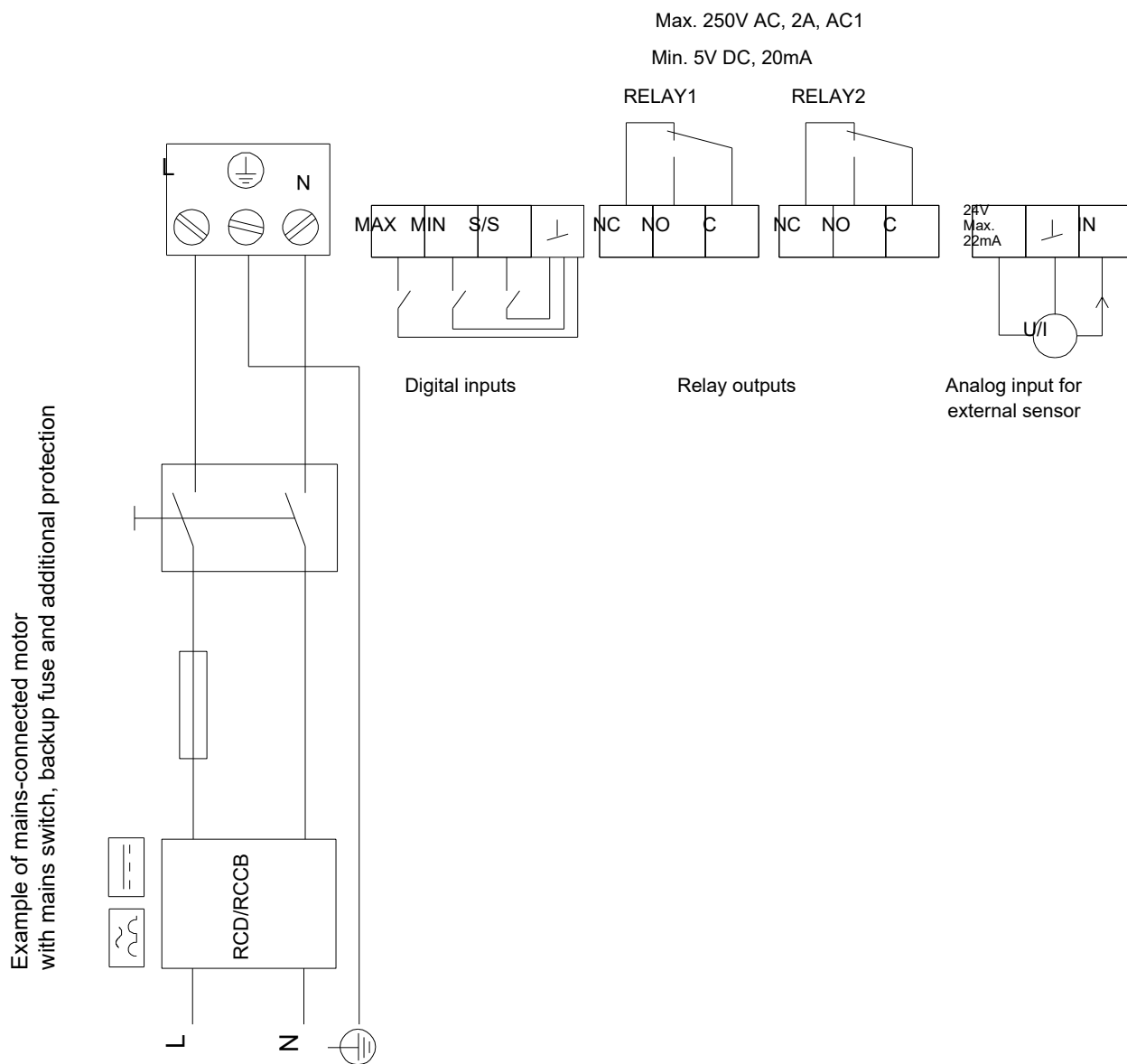


97924494 MAGNA3 D 65-150 F 50 Hz



Uwaga! Wszystkie jednostki są podane w [mm] jeżeli nie zaznaczono inaczej.
Oświadczenie: Rysunki uproszczone nie pokazują wszystkich szczegółów.

97924494 MAGNA3 D 65-150 F 50 Hz



Uwaga! Wszystkie wymiary są w [mm] jeżeli nie zostały podane inne jednostki.

97924494 MAGNA3 D 65-150 F 50 Hz

Dane wejściowe

Dobierz wg
Wybierz typoszereg pomp
Podróż
Wybierz grupę produktów

Typoszereg
MAGNA
Standard
MAGNA3 D

Obliczenie Całkowitych kosztów użytkowania

Profil obciążenia
Sezon grzewczy
Redukcja nocna
Rodzaj regulacji
Zmniejszenie przy małym przepływie

Profil standardowy
285 dni
Nie
Ciśnienie proporcjonalne
50 %

Cena energii
Podwyżka cen energii
Intensywność emisji CO2
Czas obliczeń
Jak szczegółowa ma być analiza kosztów cyklu życia (LCC)?

0.16 EUR/kWh
6 %
0.77 kg/kWh
15 rok
Prosta analiza LCC

Załaduj profil

	1	2	3	4
Wydajność (%)	25	50	75	100
Wydajność (m³/h)	9.87	19.73	29.6	39.47
Wysokość (%)	63	75	88	100
Wysokość (m)	5	6.001	7.001	8.001
P1 (kW)	0.268	0.502	0.857	1.368
Eta całkowita (%)	50.1	64.1	65.8	62.8
Czas (h/rok)	3010	2394	1026	410
Zużycie energii (kWh/Rok)	806	1202	879	561
Ilość	1	1	1	1

Wynik doboru

Typ MAGNA3 D 65-150 F
Ilość 1
Silniki

Wydajność 39.47 m³/h
Wysokość 8.001 m
Moc P1 1.368 kW
Moc P2 wymagana w punkcie pracy 1.368 kW
Eta pompy 62.8 %
Eta pompa+silnik 62.8 % = Eta pompy * Eta silnika
Zużycie energii 3448 kWh/rok
Emisja CO2 2660 kg/Rok
Cena 8.938,00
Całkowite koszty użytkowania 22159 EUR /15Lata

