


Position	Count	Description
	1	<p>MAGNA3 50-150 F N</p>  <p>Product No.: 98126846</p> <p>MAGNA3 – More than a pump With its unrivalled efficiency, all-encompassing range and built-in communication capabilities plus functionalities replacing system components, the MAGNA3 is ideal for engineers and specifiers looking to create high-performance systems for buildings.</p> <p>This pump in the Grundfos Master Class will fit both heating and cooling applications perfectly, making it the obvious choice for almost any building project – old or new.</p> <p>The MAGNA3 is of the canned-rotor type, i.e. 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.</p> <p>The innovative clamp with only one screw enables easy repositioning of the pump head.</p> <p>The MAGNA3 is a pump with no maintenance requirements and with extremely low Life Cycle Cost.</p> <p>The pump is characterised by the following:</p> <ul style="list-style-type: none"> • controller integrated in the control box • control panel with TFT display on the control box • control box prepared for optional CIM modules • built-in differential-pressure and temperature sensor • cast-iron pump housing (depending on model) • carbon-fiber-reinforced composite rotor can • stainless-steel bearing plate and rotor cladding • aluminium alloy stator housing • air-cooled power electronics <p>The MAGNA3 is a single-phase pump.</p> <p>Characteristic features</p> <ul style="list-style-type: none"> • AUTOADAPT. • FLOWADAPT and FLOWLIMIT (more than a pump function as it reduces the need for pump throttling valves). • Proportional-pressure control. • Constant-pressure control. • Constant-temperature control. • Constant-curve duty. • Max. or min. curve duty. • Automatic Night Setback. • No external motor protection required. • Insulating shells supplied with single-head pumps for heating systems. • Large temperature range where the liquid temperature and the ambient temperature are independent of each other. <p>Communication The MAGNA3 enables communication via the following:</p> <ul style="list-style-type: none"> • wireless Grundfos GO Remote • fieldbus communication via CIM modules • digital inputs • relay outputs • analog input (more than a pump function as heat energy meter)

Position	Count	Description
		<p>Motor and electronic controller The 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. A differential-pressure and temperature sensor is incorporated in the pump.</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: 14 .. 230 °F Liquid temp: 140 °F Density: 61.35 lb/ft³</p> <p>Technical: TF class: 110 Approvals on nameplate: ETL, FCC W_RADIAL, UL DW 372</p> <p>Materials: Pump housing: Stainless steel EN 1.4308 ASTM 351 CF8 Impeller: PES 30%GF</p> <p>Installation: Range of ambient temperature: 32 .. 104 °F Maximum operating pressure: 174 psi Flange standard: GF Pipe connection: GF53 Pressure stage: PN12 Port-to-port length: 11 1/16 in</p> <p>Electrical data: Power input - P1: 18.5 .. 630 W Main frequency: 60 Hz Rated voltage: 1 x 208-230 V Maximum current consumption: 0.23 .. 2.78 A Enclosure class (IEC 34-5): X4D Insulation class (IEC 85): F</p> <p>Others: Energy (EEI): 0.17 Net weight: 42 lb Gross weight: 46.8 lb Shipping volume: 1.62 ft³</p>

Description	Value
General information:	
Product name:	MAGNA3 50-150 F N
Product No.:	98126846
EAN:	5710629500083
Price:	On request
Technical:	
Head max:	49.22 ft
TF class:	110
Approvals on nameplate:	ETL, FCC W_RADIAL, UL DW 372
Model:	A
Materials:	
Pump housing:	Stainless steel
	EN 1.4308
	ASTM 351 CF8
Impeller:	PES 30%GF
Installation:	
Range of ambient temperature:	32 .. 104 °F
Maximum operating pressure:	174 psi
Flange standard:	GF
Pipe connection:	GF53
Pressure stage:	PN12
Port-to-port length:	11 1/16 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	14 .. 230 °F
Liquid temp:	140 °F
Density:	61.35 lb/ft³
Electrical data:	
Power input - P1:	18.5 .. 630 W
Main frequency:	60 Hz
Rated voltage:	1 x 208-230 V
Maximum current consumption:	0.23 .. 2.78 A
Enclosure class (IEC 34-5):	X4D
Insulation class (IEC 85):	F
Others:	
Energy (EEI):	0.17
Net weight:	42 lb
Gross weight:	46.8 lb
Shipping volume:	1.62 ft³

