


Position	Qty.	Description																																														
	1	<div><div></div><div><p>Product No.: 98475934</p><p>GRUNDFOS ALPHA1 is a new pump based on the construction and design of GRUNDFOS ALPHA2 L. As additional the ALPHA1 now features a two digit display showing the actual pump power consumption in Watt. GRUNDFOS ALPHA1 is complete ranges of circulator pumps with the following features:</p><ul style="list-style-type: none">- integrated differential-pressure control enabling adjustment of pump performance to the actual system requirement- motor based on permanent-magnet/compact-rotor technology.<p>Both pump ranges are energy-optimised and comply with the requirements of the EuP directive.</p><p>Liquid:</p><table><tr><td>Pumped liquid:</td><td>Ethylene Glycol</td></tr><tr><td>Liquid temperature range:</td><td>2 .. 110 °C</td></tr><tr><td>Concentration:</td><td>35 %</td></tr><tr><td>Liquid temp:</td><td>80 °C</td></tr><tr><td>Density:</td><td>1020 kg/m³</td></tr><tr><td>Kinematic viscosity:</td><td>1 mm²/s</td></tr></table><p>Technical:</p><table><tr><td>Actual calculated flow:</td><td>2.4 m³/h</td></tr><tr><td>Resulting head of the pump:</td><td>1.587 m</td></tr><tr><td>TF class:</td><td>110</td></tr><tr><td>Approvals on nameplate:</td><td>VDE,GS,CE</td></tr></table><p>Materials:</p><table><tr><td>Pump housing:</td><td>Cast iron</td></tr><tr><td></td><td>EN-JL 1020</td></tr><tr><td></td><td>ASTM A48-25</td></tr><tr><td>Impeller:</td><td>Composite, PP or PES</td></tr></table><p>Installation:</p><table><tr><td>Range of ambient temperature:</td><td>0 .. 40 °C</td></tr><tr><td>Maximum operating pressure:</td><td>10 bar</td></tr><tr><td>Pipe connection:</td><td>G 1 1/2</td></tr><tr><td>Pressure stage:</td><td>PN 10</td></tr><tr><td>Port-to-port length:</td><td>180 mm</td></tr></table><p>Electrical data:</p><table><tr><td>Power input - P1:</td><td>5 .. 32 W</td></tr><tr><td>Maximum current consumption:</td><td>0.05 .. 0.27 A</td></tr><tr><td>Mains frequency:</td><td>50 Hz</td></tr><tr><td>Rated voltage:</td><td>1 x 230 V</td></tr></table></div></div>	Pumped liquid:	Ethylene Glycol	Liquid temperature range:	2 .. 110 °C	Concentration:	35 %	Liquid temp:	80 °C	Density:	1020 kg/m³	Kinematic viscosity:	1 mm²/s	Actual calculated flow:	2.4 m³/h	Resulting head of the pump:	1.587 m	TF class:	110	Approvals on nameplate:	VDE,GS,CE	Pump housing:	Cast iron		EN-JL 1020		ASTM A48-25	Impeller:	Composite, PP or PES	Range of ambient temperature:	0 .. 40 °C	Maximum operating pressure:	10 bar	Pipe connection:	G 1 1/2	Pressure stage:	PN 10	Port-to-port length:	180 mm	Power input - P1:	5 .. 32 W	Maximum current consumption:	0.05 .. 0.27 A	Mains frequency:	50 Hz	Rated voltage:	1 x 230 V
Pumped liquid:	Ethylene Glycol																																															
Liquid temperature range:	2 .. 110 °C																																															
Concentration:	35 %																																															
Liquid temp:	80 °C																																															
Density:	1020 kg/m³																																															
Kinematic viscosity:	1 mm²/s																																															
Actual calculated flow:	2.4 m³/h																																															
Resulting head of the pump:	1.587 m																																															
TF class:	110																																															
Approvals on nameplate:	VDE,GS,CE																																															
Pump housing:	Cast iron																																															
	EN-JL 1020																																															
	ASTM A48-25																																															
Impeller:	Composite, PP or PES																																															
Range of ambient temperature:	0 .. 40 °C																																															
Maximum operating pressure:	10 bar																																															
Pipe connection:	G 1 1/2																																															
Pressure stage:	PN 10																																															
Port-to-port length:	180 mm																																															
Power input - P1:	5 .. 32 W																																															
Maximum current consumption:	0.05 .. 0.27 A																																															
Mains frequency:	50 Hz																																															
Rated voltage:	1 x 230 V																																															



Description	Value
General information:	
Product name:	ALPHA1 25-50 180
Product No:	98475934
Position	
EAN number:	5711495722838
Technical:	
Actual calculated flow:	2.4 m³/h
Resulting head of the pump:	1.587 m
Head max:	50 dm
TF class:	110
Approvals on nameplate:	VDE,GS,CE
Materials:	
Pump housing:	Cast iron
	EN-JL 1020
	ASTM A48-25
Impeller:	Composite, PP or PES
Installation:	
Range of ambient temperature:	0 .. 40 °C
Maximum operating pressure:	10 bar
Pipe connection:	G 1 1/2
Pressure stage:	PN 10
Port-to-port length:	180 mm
Liquid:	
Pumped liquid:	Ethylene Glycol
Liquid temperature range:	2 .. 110 °C
Concentration:	35 %
Liquid temp:	80 °C
Density:	1020 kg/m³
Kinematic viscosity:	1 mm²/s
Electrical data:	
Power input - P1:	5 .. 32 W
Maximum current consumption:	0.05 .. 0.27 A
Mains frequency:	50 Hz
Rated voltage:	1 x 230 V
Enclosure class (IEC 34-5)::	IP42
Insulation class (IEC 85):	F
Motor protec:	NONE
Thermal protec:	ELEC
Controls:	
Pos term box:	6H
Others:	
Energy (EEI):	0.23
Net weight:	2.1 kg
Gross weight:	2.38 kg
Shipping volume:	0.004 m³

