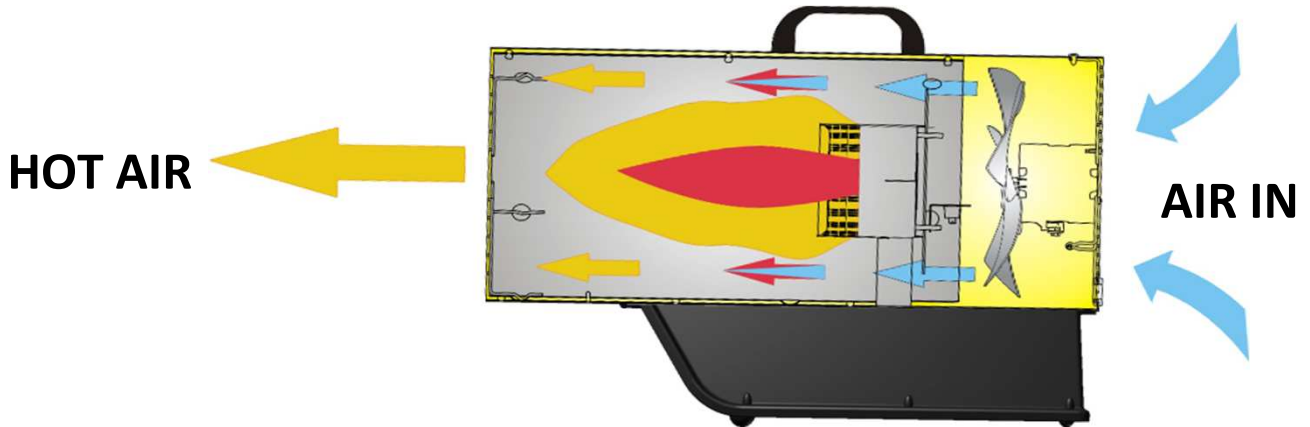


GAS HEATER

VANGUARD 33M



FUNCTIONING PRINCIPLES



Master gas heaters provide large volumes of instant heat. They are very cost effective, robust and efficient.

TECHINICAL DATA

MAX capacity	kW	33	MIN capacity	kW	18
	Kcal/h	28.400		Kcal/h	15.500
	Btu/h	112.800		Btu/h	61.500
Air flow	m ³ /h	1.000	Power supply	V	220-240
Net weight	kg	8	Frequency	Hz	50
Gross weight	kg	9	Rated current	A	0,26
Fuel type		Propane Butane	Noisy	dBa	77
Fuel supply pressure	mbar	750÷1.500	Class of protection		IP44
Fuel consumption	kg/h	2,4	Temperature difference at 1.5 m		<70°C

PACKAGING

Heater dimensions	mm	552 x 220 x 342
Packaging dimensions	mm	600 x 250 x 360
Pieces for Europallet	n°	36
Pieces full truck	n°	1188

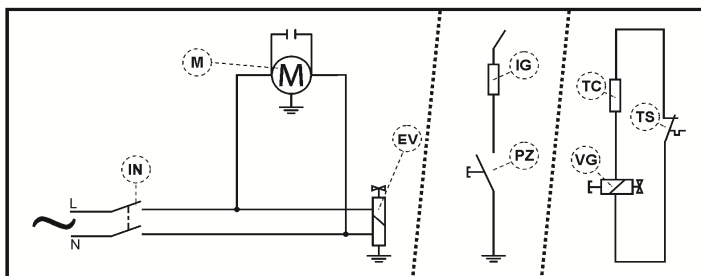
COMPONENTS

Ignition	Manual piezoelectric
Electrode	Discharge on the burner with single wire
Flame detection	Thermocouple probe
Safety system	Bimetallic lamellar thermostat with cover protection
Nozzle	Ø1,15
Motor	Monophase, with thermal protection, counter-clockwise rotation, 2800 rpm
Handling	Using lifting handle
System power adjustment	Knob on the pressure regulator
Room thermostat connection	Not available

OPTIONAL ACCESSORIES

Room thermostat	Not available
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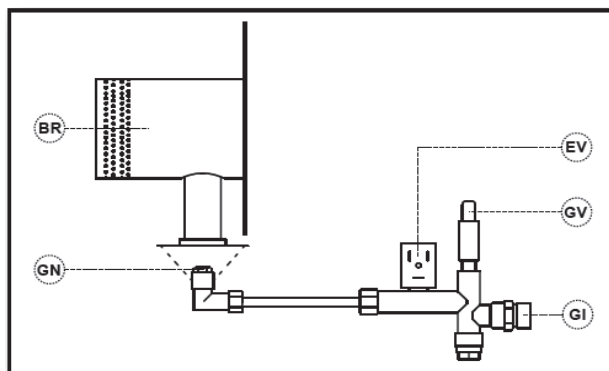
WIRING DIAGRAM



26 - 33M - 53M - 73M

IN	:	Switch
M	:	Motor
EV	:	Electrovalve
IG	:	Ignitor
PZ	:	Piezoelectric
TC	:	Thermocouple
VG	:	Valve gas
TS	:	Safety thermostat

FUEL SYSTEM DIAGRAM



GI	:	Gas inlet fitting
GV	:	Gas valve
EV	:	Electrovalve
GN	:	Gas nozzle
BR	:	Burner