



TABLE OF CONTENT

POS. 10. CENTR. PUMP HGM185 – LNG.....	4
POS. 20. DI0000914 CONICAL FILTER HGM 185 DN65	4
POS. 30. DI0000876 SUCTION FLANGE DN65 PN40	4
POS. 40. DI0000877 DISCHARGE FLANGE DN40 PN40	5
POS. 50. DI0000885 FLEXIBLE HOSE 2" 1/2 DN65 PN25 L=300MM	5
POS. 60. DI0000883 FLEXIBLE HOSE 1" 1/2 DN40 PN40 L=300MM.....	5
POS. 70. PT100 TEMPERATURE PROBE – FOR OVER TEMPERATURE DETECTION	5
POS. 80. PT100 TEMPERATURE PROBE – FOR COOL-DOWN OF PUMP.....	5
POS. 90. PT100 TEMPERATURE PROBE FOR LEAKAGE DETECTION	5
Exclusions.....	5
Applicable Standards	6
Documentation.....	6
Warranty	6



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POS. 10. CENTR. PUMP HGM185 – LNG

✓ Model:	HGM185 LNG
✓ Operation:	based on Hydraulic motor model Parker F12-30
✓ Fluid:	LNG
✓ Transmission:	Gearbox lubricated with Shell Tellus 32 oil
✓ Type of shaft-seal:	Mechanical seal
✓ Pump casing material:	Aluminium
✓ Max suction pressure:	6 bar
✓ LNG Density:	0,425 kg./dm ³
✓ Impeller diameter:	185 mm
✓ Liquid flow rate:	650 l./min.
✓ Pump speed:	5500 rpm
✓ Differential pressure Δp :	6,33 bar
✓ Differential head ΔH :	151,92 m
✓ Absorbed power (ca.):	9,14 kW
✓ NPSHreq.:	0,67 m

Installed Hydraulic motor Parker F12-30, with the following operating data to ensure through the oil system auxiliary / PTO of the truck:

hydraulic motor speed: 3.000 rpm

oil flow-rate (ca.): 90 ÷ 92 l./min. (*)

pressure flow-rate (ca.): 187,5 bar (*)

Not Included the following accessories:

suction and discharge flanges, flexible hoses and filter.

POS. 20. DI0000914 CONICAL FILTER HGM 185 DN65

POS. 30. DI0000876 SUCTION FLANGE DN65 PN40



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POS. 40. DI0000877 DISCHARGE FLANGE DN40 PN40

POS. 50. DI0000885 FLEXIBLE HOSE 2" 1/2 DN65 PN25 L=300MM

POS. 60. DI0000883 FLEXIBLE HOSE 1" 1/2 DN40 PN40 L=300MM

POS. 70. PT100 TEMPERATURE PROBE - FOR OVER TEMPERATURE DETECTION

PT100 temperature probe D3x60 mm - inlet 1/8"GM P=20bar, T= -200/+200°C - Certificates ATEX EEx ia IIC T5- for over temperature detection of bearing casing (with adapter 1/8" and spacer), assembled on support bearing.

POS. 80. PT100 TEMPERATURE PROBE - FOR COOL-DOWN OF PUMP

PT100 temperature probe - D6x50 mm - inlet 1/8"GM P=350 bar, T= -200/+200°C - Certificates ATEX EEx ia IIC T5- for cool-down of pump and supplied as loose part.

POS. 90. PT100 TEMPERATURE PROBE FOR LEAKAGE DETECTION

PT100 temperature probe - D6x50 mm - inlet 1/8"GM P=20bar, T= -200/+200°C - Certificates ATEX EEx ia IIC T5 code: 278104275 for leakage detection, completed with TEE connection and assembled on pump support.

Exclusions

The following items are not included in the scope of supply:

- Installation of the system at site;
 - Supervision, commissioning, testing, training. These activities may be quoted upon request;
 - All items and services not specified in this present offer;
-



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Applicable Standards

All Vanzetti Engineering equipment comply with the following European Union directives, where applicable:

- 2014/68/EU PED Directive certification;
- 2006/42/EC Machinery Directive;
- 2014/30/EU Electromagnetic Compatibility (EMC);
- 2014/35/EU Low Voltage Directive;
- 2014/34/UE ATEX;

Documentation

Vanzetti Engineering will supply the following documents in Italian or English:

- Dimensional drawings;
- Functional diagram (P&ID);
- Pumps manuals for use and maintenance in Italian or English;
- EU Declaration Conformity;
- Data plates in Italian or English;
- All components will be labelled with relevant tag number;

Additional documentation requested by the customer will be quoted separately.

Warranty

All the supplied equipment – provided that are operated in compliance with our technical instructions – are covered by technical warranty for 12 months from the delivery date EXW/FCA Cavallerleone.



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