



GasTec Offshore Nitrogen Generator Systems Reference List

Gas Generators (Malaysia) Sdn Bhd
A Member of Tanjung Offshore Berhad Group of Companies

On Site Hydrogen, Oxygen & Nitrogen Gas Production Systems



- | | | |
|-----------------------|---|--|
| Owner | - | Petronas Carigali (Sumandak Platform) |
| Model / Specification | - | HMN140 / 140 Nm ³ /hr, 95%, 7 bar |
| Dimension / Weight | - | 1.3 x 2.5 x 2.4m / 1400Kg |
| Delivered | - | Aug 07 |



GasTec Nitrogen Generator



200 Bar, Oil Free Nitrogen Booster Compressor

Owner	- Talisman Malaysia (BOA Platform)
Model / Specification	- HMN180 / 150 Nm ³ /hr, 97%, 170 bar
Dimension / Weight	- 2.5 x 1.5 x 2.4m / 1400Kg
Delivered	- Dec 08



Owner - Sarawak Shell (E11 Platform)
Model / Specification - HMN60 / 25 Nm³/hr, 98%, 7 bar (2 x 100%)
Dimension / Weight - 3.2 x 1.2 x 2.4m / 1400Kg
Delivered - 2004



- Owner - Sarawak Shell (F23 Platform)
- Model / Specification - HMN60 / 25 Nm³/hr, 98%, 7 bar (2 x 100%)
- Dimension / Weight - 3.2 x 1.2 x 2.4m / 1400Kg
- Delivered - 2006



Owner - Carigali Hess
Model / Specification - HMN50 / 50 Nm³/hr, 95%, 7 bar (2 x 100%)
Dimension / Weight - 1.5 x 1.4 x 2.4m / 1000Kg
Delivered - 2007



- Owner - Shell Sarawak (F23 Complex)
- Model / Specification - HMN200 / 85 Nm³/hr, 99%, 7 bar
- Dimension / Weight - 2.6 x 1.3 x 2.5m / 1500Kg
- Delivered - Aug 2009



- Owner - Petronas Carigali (Kumang Platform)
- Model / Specification - HMN100 / 100 Nm³/hr, 95%, 7 bar (2 x 100%)
- Dimension / Weight - 2.6 x 1.3 x 2.5m / 1500Kg
- Delivered - Mar 2009



Control Section



Membrane Section



- Owner - Murphy Oil Corp
- Model / Specification - HMN180 / 85 Nm³/hr, 99%, 7 bar
- Dimension / Weight - 2.8 x 2.0 x 2.5m / 1500Kg
- Delivered - 2008



Owner - Murphy Oil Corp (Kikeh Platform)
Model / Specification - HMN60 / 25 Nm³/hr, 95%, 5 bar
Dimension / Weight - 2.6 x 1.3 x 2.5m / 1500Kg
Delivered - July 2009



- Owner - Shell Philippines (Malampaya Platform)
Model / Specification - HMN600 / 369 Nm³/hr, 95%, 5.5 bar (2 x 100%)
Dimension / Weight - 4.8 x 2.0 x 2.2m / 6000Kg
Delivered - June 2009

Other nitrogen references:

	CUSTOMER	LOCATION	Flow Nm3/h & Purity %
1	PT Cemerlang	Sumatra	1,200.0 @ 95.0
2	PT Permata Hijau	Sumatra	800.0 @ 95.0
3	Shell Malampaya	Philippines	369.0 @ 97.0
4	OYL Industries	Rawang	300.0 @ 99.9
5	CTRM	Malacca	300.0 @ 95.0
6	Premium Vegetable Oil	Pasir Gudang	150.0 @ 99.5
7	Talisman Malaysia	Kerteh	150.0 @ 97.0
8	OYL Industries	Rawang	140.0 @ 99.9
9	Petronas Sumandak	Sabah	140.0 @ 95.0
10	Petronas Kumang	Sabah	100.0 @ 95.0
11	Kempas Edible Oil	Pasir Gudang	100.0 @ 99.5
12	Future Industries	Korea	100.0 @ 98.0
13	Murphy Oil	Bintulu	85.0 @ 99.0
14	Shell F23 RA	Sarawak	85.0 @ 97.0
15	Petrofac	Offshore	85.0 @ 97.0
16	Elektrisola	Bentong	80.0 @ 99.995

Other nitrogen references:

	CUSTOMER	LOCATION	Flow Nm ³ /h & Purity %
17	PT Sinarmas	Sumatra	60.0 @ 99.5
18	MSM	Serdang	30.0 @ 99.999
19	Shell – E11 & F23 [2 units]	Sarawak	25.0 @ 99.0
20	Sunchirin	Thailand	20.0 @ 99.5
21	OYL Industries	Shah Alam	20.0 @ 99.5
22	FPSO Ventures	Sarawak	20.0 @ 97.0
23	Sunchirin	Shah Alam	20.0 @ 99.9
24	Ableace	Klang	20.0 @ 99.0
25	Elite Precision Industries	Port Klang	16.0 @ 99.5
26	Unitata	Telok Intan	15.0 @ 99.5
27	Genting BioOil	Segamat	7.0 @ 98.0
28	Guilia [3 units]	Kuala Lumpur	5.0 @ 98.0
29	Mastra	Port Klang	4.5 @ 99.0

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