



Watch the
Gas Forklift
in action



Hyworth 1.8T Gas Forklift 4.8m Lift Container Mast H18FG48

Load capacity
1.8 tonne



Collapsed height
2.260m



Lift height
4.8m



Manoeuvrability



Ease of use





The Hyworth 1.8T Gas Forklift is adaptable and versatile, perfect for flexible work environments and changing conditions.



Powered by a trusted and dependable Nissan K21 engine, this plays an integral role in keeping businesses moving.

The Hyworth 1.8T Gas Forklift is perfect for transporting materials from shipping containers. Powered by an industry-leading engine, this machine is ahead of the game in terms of reliability and durability.

Delivering excellent fuel economy, a high capacity lift and fast acceleration, this model is highly versatile and adaptable to indoor and outdoor work environments. Running on LPG, the model is more environmentally friendly than its diesel counterparts. It's also packed with safety features, including an operator presence system, LED lights, flashing beacon, suspension seat and swing-down gas bottle brackets to minimise accidents and exhaustion to operators.

Increased lift height

Lift loads to greater heights with an extended reach provided by the triple-stage container mast.

Enhance operator safety

Prevent accidents with the operator presence system by ensuring that the forklift starts only when a qualified operator is in the vehicle.

Convenience

Operate safely and legally on public roads with a road-registered vehicle, saving you time and money on additional transportation.

Increased versatility

Operate efficiently in indoor and outdoor conditions, with this machine's ability to handle demanding warehouse operations.

Powerful

Withstand demanding conditions with a K21 Nissan Engine, delivering sufficient power and consistent performance to handle various tasks over extended periods.

Safety & Ergonomics

Operator presence system - Prevent accidents and minimise risks by requiring the presence of an authorised operator in their seat to start the machine.

Reverse handle horn - Enhance safety and prevent accidents by emitting a loud warning signal to alert nearby pedestrians and workers when reversing.

Suspension seat - Enhance comfort, minimise fatigue, improve safety and stability by reducing the risk of operator instability or control loss.

LED lights - Save money with energy-efficient LED lights and their longer lifespan, despite their higher upfront costs.

Flashing/amber rotating beacon - Avoid hazards or unsafe conditions with highly visible warning signals drawing attention to hazards or restricted areas.

Swing down gas bottle bracket - Provide secure and easily accessible storage space for gas bottles or cylinders.

Efficiency & Productivity

K21 Nissan engine - Withstand harsh operating conditions and contribute to a cleaner and healthier working environment with a powerful heavy-duty engine.

Fast acceleration - Navigate corners, turn easily and respond quickly to changing conditions with quick acceleration.

Side-shift as standard - Save time and reduce operator fatigue by eliminating the need to reposition loads on the forklift constantly.

High fuel efficiency - Reduce your environmental impact, save money and reduce downtime spent refuelling.

High lift capacity - Increase your productivity by efficiently handling heavier loads, reducing the need for additional trips, manpower or machines.

Puncture-proof tyres - Eliminate downtime and the cost of repairing damaged tyres with durable tyres that are less prone to wear and tear.

Serviceability & Reliability

Japanese K21 Nissan engine - Keep your business moving with fewer breakdowns and less frequent repairs with a durable, trusted and reliable engine.

3-Year Manufacturer's Parts and Labour Warranty - Avoid out-of-pocket expenses, with the added peace of mind that your machine has a 3-year warranty.

Comprehension parts availability - Reduce downtime, repair the machine quickly and save money with readily available parts to keep your business moving.

Periodic maintenance - Extend the lifespan of your forklift and ensure your equipment is reliable by being prompted after 250 hours or six months when your forklift is due for maintenance.

Fixed-price servicing - Reduce the cost of downtime and ensure a consistent, reliable service every time with Hyworth's fixed-priced servicing.

Straight gas LPG system - Reduce your environmental impact and save money with the economical fuel option of LPG.



Features

Safety/ergonomics

Operator presence system	Included
LED headlights	Included
Tail lights	Included
Indicator lights	Included
Side mirror	Included
Rotating/flashing beacon	Included
Suspension seat	Included
Swing down gas bottle bracket	Included
Blue LED safety light	Optional
Load guard options	Optional
Panoramic mirror	Optional
Fire extinguisher	Optional
Roof cover	Optional
Bluetooth wireless camera	Optional



Efficiency/productivity

K21 Nissan engine	Included
Sideshift	Included
High gradeability	Included
High lift capacity	Included
Fast acceleration	Included
Container ramp	Optional
Side-shifting fork positioner	Optional
Slipper extensions	Optional
Longer fork tynes	Optional
Digital weight gauge	Optional
Higher lift height masts up to 6m	Optional



Serviceability/reliability

Trusted and reliable Japanese K21 Nissan Engine	Included
Straight gas LPG system	Included
Periodic maintenance 250 hours or six months (whichever comes first)	Included
3-Year Manufacturer's Warranty - full parts & labour	Included
Fixed-priced servicing	Included
Comprehension parts availability	Included
Non-marking tyres	Optional





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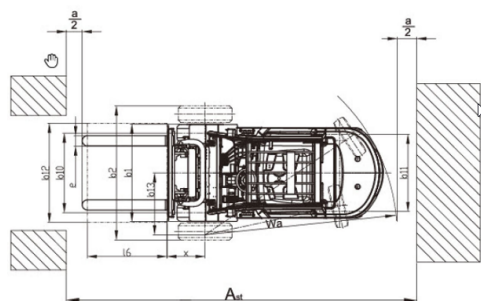
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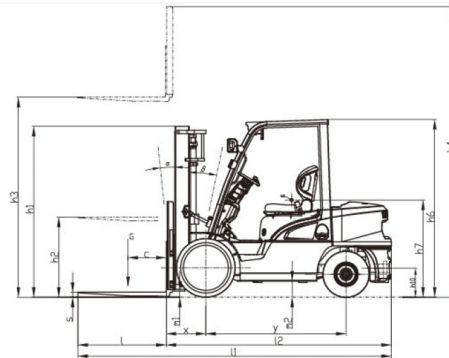
Technical Specifications

1.8T Gas Forklift with Container Mast Specification

Distinguishing marks	1.1	Manufacturer		HYWORTH
	1.2	Manufacturer's type designation		H18FG48
	1.3	Drive: LPG/Gas		LPG/Gas
	1.4	Operator type		Counterbalance
Weight	1.5	Rated capacity/ rated load	Q (kg)	1800
	1.6	Load centre distance	c (mm)	600
	1.7	Wheelbase	y (mm)	1475
Wheels, Chassis	1.8	Collapsed height	mm	2110
	2.1	Service Weight without battery	kg	2880
	2.2	Axle loading: laden front / rear	kg	4110 / 520
	2.3	Axle loading: unladen front / rear	kg	1290 / 1590
Basic Dimensions	3.1	Tyres		solid
	3.2	Tyre size, front	mm	6.5-10-10PR
	3.3	Tyre size, rear	mm	5.00-8-10PR
	3.4	Wheels, number front / rear (x = driven wheels)		2x/2
	3.5	Tread: front / rear	b ₁₁ / b ₁₁ (mm)	900 / 920
	4.1	Tilt of mast / fork carriage forward / backward	α/β(°)	6/12
	4.2	Height, mast lowered	h ₁ (mm)	1995
	4.3	Free Lift / Lift	h ₃ / h ₃ (mm)	155 / 4800
	4.4	Height, mast extended	h ₄ (mm)	3955
	4.5	Height of overhead guard STD	h ₆ (mm)	2120 (2200)
	4.6	Seat height relating to SIP	h ₇ (mm)	1145
	4.7	Coupling Height	h ₁₀ (mm)	310
	4.8	Overall length	l ₁ (mm)	3240
	4.9	Length to face of forks	l ₂ (mm)	2320
	4.10	Overall width	b ₁ (mm)	1090 / 1485
	4.11	Fork dimensions	s/e/l (mm)	35/100/1070
	4.12	Fork-carriage width	b ₃ (mm)	1000
	4.13	Distance between fork-arms	b ₂ (mm)	226-970
	4.14	Ground clearance, claden, below mast	m ₁ (mm)	115
	4.15	Ground clearance, centre of wheelbase	l ₄ (mm)	145
4.16	Aisle width for pallets 1000 1200 crossways	A _{st} (mm)	3670	
4.17	Aisle width for pallets 1000 1200 lengthways	A _{st} (mm)	3870	
4.18	Turning radius	W _a (mm)	2060	
4.19	Internal turning radius	b ₁₃ (mm)	600	
4.20	Fork carriage DIN 15 173-ISO2328 Class type A, B		Class A	
Performance Data	5.1	Travel speed: laden/unladen	km/h	18/19
	5.2	Lift speed: laden/unladen	m/s	0.58/0.62
	5.3	Lowering speed, laden/unladen	m/s	0.45/0.50
	5.4	Drawbar pull: laden/unladen	N	14600/10500
	5.5	Gradeability: laden / unladen	%	20/20
	5.6	Service brake		Hydraulic
	5.7	Parking brake		Mechanical
Combustion engine	6.1	Engine Manufacturer / type		Nissan K21
	6.2	Engine power		Rated speed
	6.3	Number of cylinders / displacements	(-) / (cm ³)	4/3054
	6.4	Vehicle electric system voltage	V	12
	6.5	Battery voltage/nominal capacity	V/Ah	12/90
	6.6	Rated torque	N-m/r/min	191.5 - 208.5/1500
	6.7	Transmissions Type		Powershift
	6.8	Stage FWD / RVS		1/1
Additional	7.1	Operating pressure for attachments	bar	175
	7.2	Oil volume for attachments	l/min	60
	7.3	Hydraulic tank = capacity (drain & fill) and fuel tank capacity	litre	65
	7.4	Sound level at the drivers ear according to EN/DIN 12 053	db (A)	85



$$A_{st} = L_6 + X + W_a + a \quad a = 200 \text{ mm}$$



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