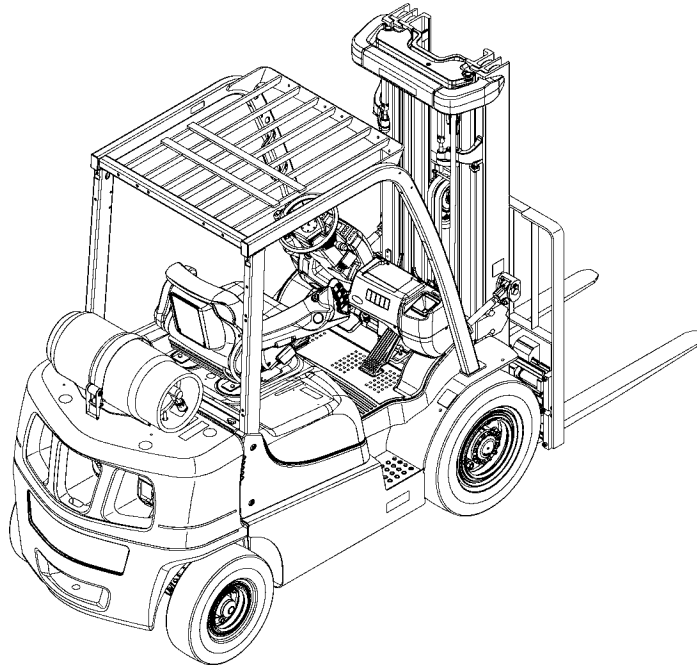


CAPACITIES AND SPECIFICATIONS

H2.0-3.0XT (H40-60XT) [A380]



HYSTER

SAFETY PRECAUTIONS

MAINTENANCE AND REPAIR

- The Service Manuals are updated on a regular basis, but may not reflect recent design changes to the product. Updated technical service information may be available from your local authorized Hyster® dealer. Service Manuals provide general guidelines for maintenance and service and are intended for use by trained and experienced technicians. Failure to properly maintain equipment or to follow instructions contained in the Service Manual could result in damage to the products, personal injury, property damage or death.
- When lifting parts or assemblies, make sure all slings, chains, or cables are correctly fastened, and that the load being lifted is balanced. Make sure the crane, cables, and chains have the capacity to support the weight of the load.
- Do not lift heavy parts by hand, use a lifting mechanism.
- Wear safety glasses.
- DISCONNECT THE BATTERY CONNECTOR before doing any maintenance or repair on electric lift trucks. Disconnect the battery ground cable on internal combustion lift trucks.
- Always use correct blocks to prevent the unit from rolling or falling. See HOW TO PUT THE LIFT TRUCK ON BLOCKS in the **Operating Manual** or the **Periodic Maintenance** section.
- Keep the unit clean and the working area clean and orderly.
- Use the correct tools for the job.
- Keep the tools clean and in good condition.
- Always use **HYSTER APPROVED** parts when making repairs. Replacement parts must meet or exceed the specifications of the original equipment manufacturer.
- Make sure all nuts, bolts, snap rings, and other fastening devices are removed before using force to remove parts.
- Always fasten a DO NOT OPERATE tag to the controls of the unit when making repairs, or if the unit needs repairs.
- Be sure to follow the **WARNING** and **CAUTION** notes in the instructions.
- Gasoline, Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Diesel fuel are flammable. Be sure to follow the necessary safety precautions when handling these fuels and when working on these fuel systems.
- Batteries generate flammable gas when they are being charged. Keep fire and sparks away from the area. Make sure the area is well ventilated.

NOTE: The following symbols and words indicate safety information in this manual:



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and property damage.

On the lift truck, the **WARNING** symbol and word are on orange background. The **CAUTION** symbol and word are on yellow background.

TABLE OF CONTENTS

Lift Truck Lifting Capacity	1
Counterweight Weights	1
Capacities	1
Tire Sizes	4
Electrical System	5
Transmission Oil Pressures	6
Hydraulic System Relief Pressures	7
Steering System	7
Stall Speeds (in RPM \pm 100 rpm)	7
PSI 2.4L	7
Yanmar 2.6L	7
Yanmar 3.3L	8
Mast Speeds	8
Tilt Angles	9
Front End Equipment - Mast Creep	9
Mast Creep	10
Engine Specifications	10
Torque Specifications	11
Frame	11
Mast	12
Steering System	12
Drive Axle	12
Transmission	12
Engine - PSI 2.4L LPG or Bi-Fuel	13
Engine - Yanmar 2.6L and 3.3L Diesel	14

This section is for the following models:

H2.0-3.0XT (H40-60XT) [A380]

**"THE
QUALITY
KEEPERS"**

**HYSTER
APPROVED
PARTS**

Lift Truck Lifting Capacity

Model	Weight
H2.0XT (H40XT)	1814 kg (3999 lb)
H2.5XT (H50XT)	2268 kg (5000 lb)
H3.0XT (H60XT)	2722 kg (6000 lb)



Counterweight Weights


Model	Model
H2.0XT (H40XT)	1203 kg (2652 lb)
H2.5XT (H50XT)	1539 kg (3393 lb)
H3.0XT (H60XT)	1922 kg (4237 lb)

Capacities

Item	Quantity	Specifications
Fuel Capacity		
PSI 2.4L Gas (Bi-Fuel)	69 liter (18.2 gal)	86 Octane - Gasoline Minimum
PSI 2.4L LPG	29.9 liter (7.9 gal) 15.2 kg (33.5 lb)	LPG-HD 5, HD 10 (HD 10 fuel may require different service intervals. See service grams/bulletins for details.)
Yanmar Diesel	69 liter (18.2 gal)	Diesel No. 2

Item	Quantity	Specifications
Engine Oil (With Oil Filter)		
PSI 2.4L - LPG and Bi-Fuel	4.9 liter (5.2 qt)	-7°C (20°F) and below SAE 5W-20 16°C (60 °F) and below SAE 5W-30 -18°C (0°F) and above SAE 10W-30 API SL ILSAC GF3 SAE J2362
Yanmar 2.6L and 3.3L - Diesel	10.2 liter (10.8 qt)	20°C (68°F) and over SAE 40 10 to 30°C (50 to 86°F) SAE 30 0 to 20°C (32 to 68°F) SAE 20 -16 to 40°C (3 to 104°F) SAE 15W-40 -20 to 30°C (-4 to 86°F) SAE 10W-30 -10 to 10°C (14 to 50°F) SAE 20W -20 to 10°C (-4 to 50°F) SAE 10W API CG-4 or Better

Item	Quantity	Specifications
Cooling System		
PSI 2.4L	11.0 liter (11.6 qt)	 <p>CAUTION Additives may damage the cooling system. Before using additives, contact your local Hyster dealer.</p> <p>Use Ethylene Glycol Boron-free Antifreeze. Purchase a pre-diluted 50/50 solution; or mix 50% concentrate with 50% distilled water or deionized water.</p>
Yanmar Diesel	11.5 liter (12.1 qt)	 <p>CAUTION Additives may damage the cooling system. Before using additives, contact your local Hyster dealer.</p> <p>Use Ethylene Glycol Boron-free Antifreeze. Purchase a pre-diluted 50/50 solution; or mix 50% concentrate with 50% distilled water or deionized water.</p>

Item	Quantity	Specifications
Hydraulic Tank Oil Capacity		
H2.0-3.0XT (H40-60XT)	43.5 liter (46 qt) -Initial Fill 37.5 liter (39.6 qt) -Drain and Refill 30.0 liter (31.7 qt) -Usable Oil Capacity at Full Dipstick	 CAUTION Additives may damage the hydraulic system. Before using additives, contact your local Hyster dealer. ISO VG-46 Hydraulic Oil -15°C (5°F) and above
Transmission - Iron Housing		
Basic PS Transmission	8.3 liter (8.8 qt)	John Deere JDM J20C
Brake Fluid (Dry Brake) Master Cylinder	0.2 liter (0.21 pt)	SAE J-1703, DOT 3
Differential and Drive Axle Oil (Dry Brake) H2.0-3.0XT (H40-60XT)	6.5 liter (6.9 qt)	SAE 80W-90 or 85W-140

Tire Sizes

Truck	Drive Tires	Steer Tires
H2.0-2.5XT (H40-50XT)	7.00 x 12	6.00 x 9
H2.0-2.5XT (H40-50XT)	28 x 9	6.50 x 10
H3.0XT (H60XT)	28 x 9	6.50 x 10

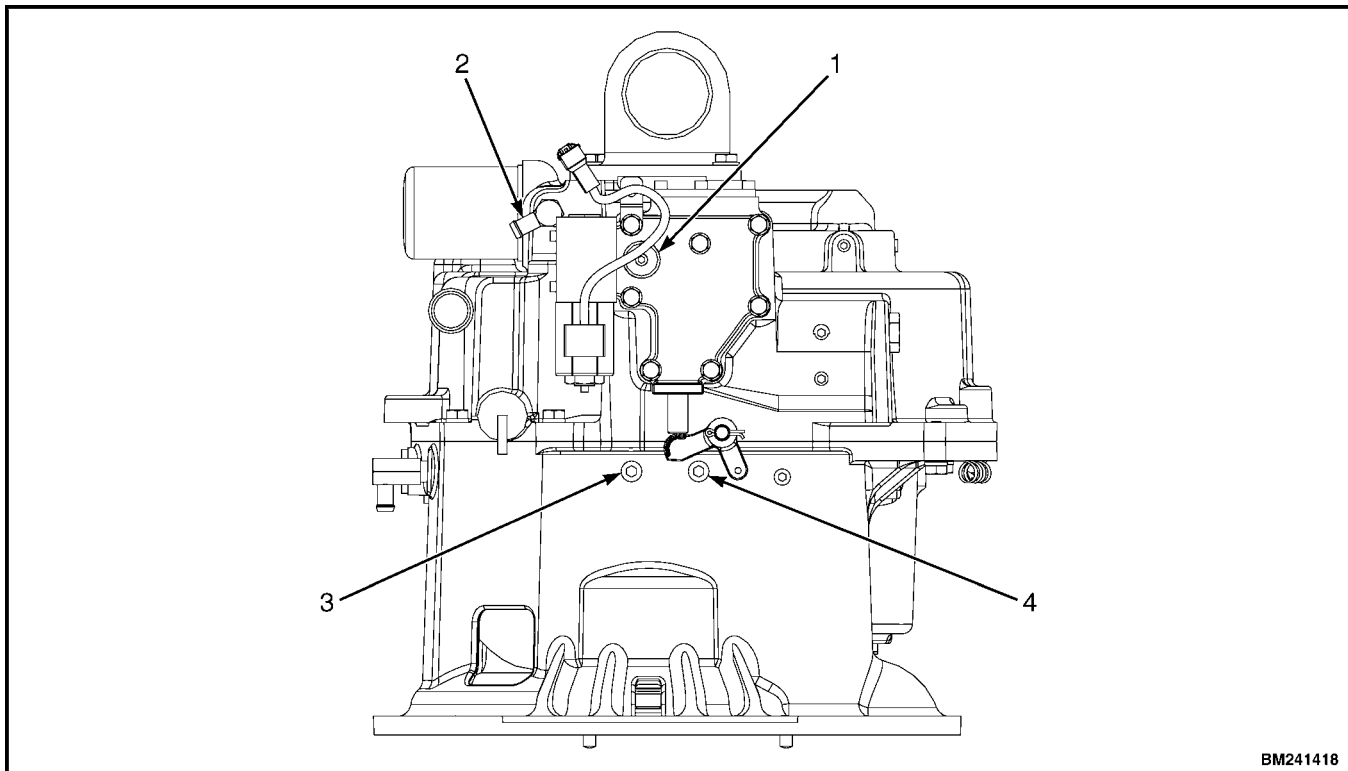
Electrical System

Item	PSI 2.4L	Yanmar
Battery	12-volt, negative ground	12-volt, negative ground
Spark Plugs	TORCH DK7RTC	N/A
Spark Plugs Standard	N/A	N/A
Spark Plugs Longlife	N/A	N/A
Spark Plug Gap	0.9 mm (0.035 in.)	N/A
Ignition Timing:		
Bi- Fuel	Not Adjustable - Coil Over Plug Ignition System	N/A
LPG	Not Adjustable - Coil Over Plug Ignition System	N/A
Diesel	N/A	2.6L engine preset @ 4° ATDC 3.3L engine preset @ 6° ATDC

PSI 2.4L Bi-Fuel	
Alternator Output (14 Volts)	
Idle	31 amps @ 850 rpm
High Idle	50 amps @ 2700 rpm
Yanmar	
Alternator Output (13.5 Volts)	
2.6L	
Low Idle	14 amps @ 850 rpm
High Idle	56 amps @ 2625 rpm
3.3L	
Low Idle	14 amps @ 850 rpm
High Idle	56 amps @ 2625 rpm

Transmission Oil Pressures

1-Speed Transmission					
Input Speed	Gear Selection	Oil Temperature	Clutch Pressure	T/C Inlet Pressure Reference	Pump Pressure Reference
2700 RPM	Neutral	90°C (194°F)	0.68 -0.79 MPa (99 - 115 psi)	0.29 - 0.69 MPa (42 - 100 psi)	1.47 MPa (213 psi)
2700 RPM	FWD	90°C (194°F)	0.61 -0.74 MPa (89 - 107 psi)	0.28 - 0.68 MPa (41 - 99 psi)	1.47 MPa (213 psi)
2700 RPM	REV	90°C (194°F)	0.63 -0.76 MPa (92 - 110 psi)	0.28 - 0.68 MPa (41 - 99 psi)	1.47 MPa (213 psi)



BM241418

NOTE: WRAP TAPERED THREAD WITH SEALING TAPE.

- | | |
|-------------------------------|-----------------------------|
| 1. CLUTCH PRESSURE CHECK PORT | 3. PUMP PRESSURE CHECK PORT |
| 2. COOLING OIL INLET | 4. PLUG |

Figure 1. 1-Speed Transmission

Thanks for your reading.

Please click here to download complete manual instantly.

And can also choose other manuals.

Feel free --->write to me with any questions.

Our service email:

manuals007@hotmail.com