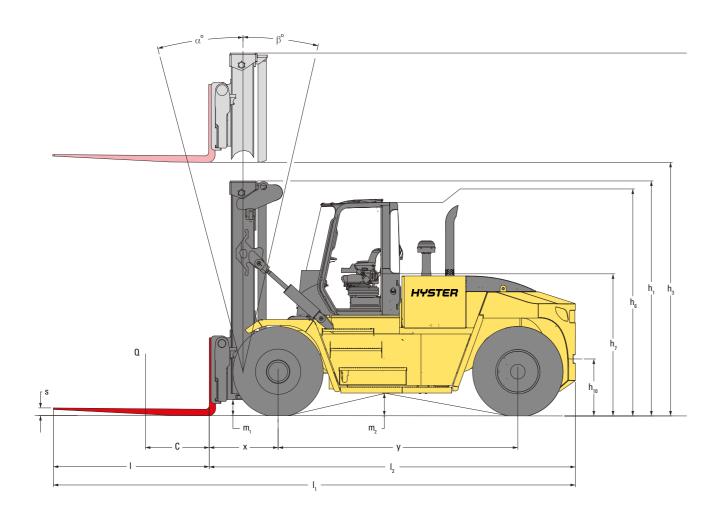
H18-20XD SERIES



HEAVY DUTY FORKLIFT PRODUCT TECHNICAL GUIDE



TRUCK DIMENSIONS TRUCK DIMENSIONS



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= Centre of gravity of unladen truck

 $\begin{array}{rcl} \mathsf{A}_{\mathsf{ST}} & = & \mathsf{W}_{\mathsf{a}} + \mathsf{x} + \mathsf{I}_{\mathsf{b}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 < \mathsf{b}_{13}) \\ \mathsf{A}_{\mathsf{ST}} & = & \mathsf{W}_{\mathsf{a}} + ((\mathsf{I}_{\mathsf{b}} + \mathsf{x})^{\mathsf{A}^2} + (\mathsf{b}_{12}/2 - \mathsf{b}_{13})^{\mathsf{A}^{0.5}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 > \mathsf{b}_{13} \text{ and } \mathsf{W}_{\mathsf{a}} > \mathsf{b}_{13} + \mathsf{b}_{12}/2) \\ \mathsf{A}_{\mathsf{ST}} & = & \mathsf{b}_{13} + \mathsf{b}_{12}/2 \text{ (}(\mathsf{I}_{\mathsf{b}} + \mathsf{x})^{\mathsf{A}^2} + (\mathsf{b}_{12}/2 - \mathsf{b}_{13})^{\mathsf{A}^{0.5}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 > \mathsf{b}_{13} \text{ and } \mathsf{W}_{\mathsf{a}} < \mathsf{b}_{13} + \mathsf{b}_{12}/2) \\ \mathsf{a} & = & \mathsf{Minimum} \text{ operating clearance} = 10\% \text{ of } \mathsf{A}_{\mathsf{ST}} \\ & & (\mathsf{VDI} \text{ standard} = 200 \text{ mm} \text{ BITA recommendation} = 300 \text{ mm}) \end{array}$

= load lengths

 b_{12} = load width

= Centre of gravity of unladen truck

 $\begin{array}{rcl} \mathsf{A}_{\mathsf{ST}} & = & \mathsf{W}_{\mathsf{a}} + \mathsf{x} + \mathsf{I}_{\mathsf{6}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 < \mathsf{b}_{13}) \\ \mathsf{A}_{\mathsf{ST}} & = & \mathsf{W}_{\mathsf{a}} + ((\mathsf{I}_{\mathsf{6}} + \mathsf{x})^{\Lambda^2} + (\mathsf{b}_{12}/2 - \mathsf{b}_{13})^{\Lambda^{0.5}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 > \mathsf{b}_{13} \text{ and } \mathsf{W}_{\mathsf{a}} > \mathsf{b}_{13} + \mathsf{b}_{12}/2) \\ \mathsf{A}_{\mathsf{ST}} & = & \mathsf{b}_{13} + \mathsf{b}_{12}/2 \text{ (}(\mathsf{I}_{\mathsf{6}} + \mathsf{x})^{\Lambda^2} + (\mathsf{b}_{12}/2 - \mathsf{b}_{13})^{\Lambda^{0.5}} + \mathsf{a} \text{ (if } \mathsf{b}_{12}/2 > \mathsf{b}_{13} \text{ and } \mathsf{W}_{\mathsf{a}} < \mathsf{b}_{13} + \mathsf{b}_{12}/2) \\ \mathsf{a} & = & \mathsf{Minimum operating clearance} = 10\% \text{ of } \mathsf{A}_{\mathsf{ST}} \\ & & (\mathsf{VDI} \text{ standard} = 200 \text{ mm BITA recommendation} = 300 \text{ mm}) \end{array}$

= load lengths

 $b_{12} = load width$

3

	1											
	1-1	Manufacturer							STER			
	1-2	Model designation			H18XDS9 H18XD9				H20XDS9		H20XD9	
4	1-3	Powertrain / drivetrain						Die	esel			
GENERAL	1-4	Operator type			Sea				ted			
GE	1-5	Load capacity at load centre, nominal	Q	kg	18,000				20,000			
	1-6	Load centre distance	С	mm				90	00			
	1-8	Load distance (1)	Х	mm		1,1	134			1,1	17	
	1-9	Wheelbase	у	mm	3,50	00	3,7	50	3,5	00	3,7	50
보	2-1	Service weight		kg	27,6	669	27,0)52	30,0	030	28,8	358
WEIGHT	2-2	Axle loading with load, front / rear		kg	42,338	3,331	41,681	3,371	46,343	3,687	45,474	3,384
5	2-3	Axle loading without load, front / rear		kg	13,878	13,791	13,918	13,134	14,817	15,214	14,716	14,143
	3-1	Tyre type front/rear							matic			
S	3-2	Tyre size, front							24 24PR			
WHEELS	3-3	Tyre size, rear						14.00 - 1	24 24PR			
¥	3-5	Number of tyres, front / rear (X driven)							//2			
	3-6	Tread, front	b ₁₀	mm)95			
	3-7	Tread, rear	b ₁₁	mm					108			
	4-1	Mast tilt, forward / backward	α/β	deg				10°	/ 12°			
	4-2	Height, mast lowered (2)	h ₁	mm		4,	142			4,2	230	
	4-3	Freelift	h ₂	mm					0			
	4-4	Lift (3)	h ₃	mm				4,5	550			
	4-5	Height, mast extended	h ₄	mm		6,4	417			6,5	505	
	4-7	Height of overhead guard (open cab)	h ₆	mm					101			
	4-7-1	Height of overhead guard (closed cab)	h ₆	mm					128			
	4-7-2	Height of overhead guard (closed cab w/ airco)	h ₆	mm					128			
	4-7-3	Height of overhead guard (closed cab w/ strobe lights)	h ₆	mm					525			
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	mm					577			
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe lights)	h ₆	mm					555			
	4-8	Seat height to SIP (4)	h ₇	mm					204			
	4-12	Coupling height	h ₁₀	mm					07			
	4-19	Overall length	l ₁	mm	7,97		8,2		7,9		8,2	
S	4-20	Length to face of forks	l ₂	mm	5,53	35	5,7		5,5	18	5,7	68
SION	4-21	Overall width across drive tyres	b ₂	mm				2,9	923			
DIMENSIONS	4-22	Fork dimensions ISO 2331	s/e/l	mm		100 x 20	0 x 2,440			100 x 25	0 x 2,440	
	4-23	Carriage type				_		Dual Fi	unction			
	4-24	Carriage width	b ₃	mm			672				940	
	4-25	Width over forks (min / max)	b ₅	mm			2,443				7 / 2,762	
	4-30	Sideshift @ width over forks	b ₈ / b ₅	mm			/ 1,721				/ 1,904	
	4-31	Ground clearance, lowest point	m ₁	mm		2	99			2.	70	
	4-32	Ground clearance, center of wheelbase	m ₂	mm					74			
	4-33	Load size	b x l	mm	0.00	00	0.0		/ 1,830	60	0.0	17
		Aisle width (a=10%)	Ast	mm	8,68		9,0		8,6		9,0	
		Aisle width (a=0)	Ast	mm	7,89		8,2		7,8		8,1	
		Aisle width (a=200 mm)	Ast	mm	8,09	30	8,4				8,3	91
		Load size	b x l	mm	0.00	15	0.0		/ 2400	06	0.0	44
		Aisle width (a=10%) Aisle width (a=0)	Ast	mm	9,31		9,6		9,2		9,6	
		Aisle width (a=200 mm)	Ast	mm	8,46		8,784 8,984		8,4		8,7 8,9	
	4-34-2-3 4-35		Ast	mm	8,66 4,93				8,6 4,9		5,2	
	4-35	Outside turning radius	W _a	mm			5,2				2,0	
	4-36 5-1	Internal turning radius (6)	b ₁₃	mm km/h	1,83	50	2,0		1,8 / 25		2,0	JZ
	5-1	Travel speed, with / without load		km/h	0.30 /	U 33	0.45 /			10.28	0.38 /	0.42
ж	5-2-1	Lifting speed, with / without load		m/s	0.30 /		0.45 /		0.25 /		0.38 /	
ANG	5-3	Lifting speed, with 70% load		m/s	0.3	14	0.2		/ 0.50	_1	0.4	TU .
ORM	5-3 5-5	Lowering speed with / without load		m/s kN		100	/ 165	0.50	7 0.50	161	/ 16/	
PERFORMANCE	5-5-1	Drawbar pull - 1.6 km/h (1 mph), with / without load		kN			/ 165 / 203				/ 164	
Ā	5-7	Drawbar pull - max, with / without load Gradeability - 1.6 km/h (1 mph), with / without load (5)		%	39 /		/ 203 39 /	34	35 /		/ 203 36 /	34
											46 /	
	5-7-1	Gradeability - max, with / without load (5)		%	50 /	JJ	51 /	J 4	44 /	32	40 /	J 4

- Centre of drive axle to front face of forks Unladen with new tyres
- Bottom of forks
- Full suspension seat in depressed position
- (5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.
- (6) Distance centre truck to centre of internal turning radius.

All capacities are according to EN1551.

H18XDS9 / H18XD9 RATED CAPACITY KG @ 900 MM LOAD CENTRE

	Lift	Lowered	Free lift	Extended	Dual Function Side Shift & Fork Positiong carriage without ZERO IN-TO-IN forkpositioning				
	height h ₃ (mm)	height h ₁ (mm)	height h ₂ (mm)	height h ₄ (mm)	Capacity @ 900 mm load centre (kg)	Mast tilt (forward/backward) (°)	Capacity @ 1,200 mm load centre (kg)		
	3,750	3,692	0	5,517	18,000	10 / 12	16,000		
R	4,650	4,142	0	6,417	18,000	10 / 12	16,000		
	5,400	4,517	0	7,167	18,000	10 / 12	16,000		
STAGE	6,200	4,917	0	7,967	17,880	10 / 12	15,840		
	6,700	5,167	0	8,467	17,700	10 / 12	15,640		
2	7,000	5,317	0	8,767	17,600	10 / 12	15,520		

H20XDS9 / H20XD9 RATED CAPACITY KG @ 900 MM LOAD CENTRE

	Lift	Lowered	Free lift	Extended	Dual Function Side Shift & Fork Positiong carriage without ZERO IN-TO-IN forkpositioning				
	height h ₃ (mm)	height h ₁ (mm)	height h ₂ (mm)	height h ₄ (mm)	Capacity @ 900 mm load centre (kg)	Mast tilt (forward/backward) (°)	Capacity @ 1,200 mm load centre (kg)		
	3,750	3,780	0	5,605	20,000	10 / 12	18,000		
R	4,650	4,230	0	6,505	20,000	10 / 12	18,000		
ш	5,400	4,605	0	7,255	20,000	10 / 12	18,000		
STAG	6,200	5,005	0	8,055	20,000	10 / 12	17,820		
	6,700	5,255	0	8,555	19,940	10 / 7	17,620		
2	7,000	5,405	0	8,855	19,680	10 / 7	17,500		

Carriage with ZERO IN-TO-IN forkpositioning not recommended in combination with lift heights above 6200 mm

POWERTRAINS

¥	1-1	Manufacturer		Ну	ster	
GENERAL	1-2	Model designation		H18XD(S)9	/ H20XD(S)9	
띪	1-3	Powertrain / drivetrain		Di	esel	
	7-1	Engine manufacturer / model		Cummins / QSB 6.7 Stage IIIA	Mercedes-Benz / OM936 7.7 Stage V	
	7-2	Engine power - rated	kW	164@2000	180@1800	
ш	7-3-1	Engine torque @ rpm (1.min)	N-m	949@1400	1,000@1200-1600	
ENGINE	7-4	Number of cylinders / displacement	# / cm ³	6 / 6,690	6 / 7,698	
6	7-6	Fuel consumption according to VDI cycle	l/h	On re	equest	
	7-8	Alternator output	Amps	120	150	
	7-9	Electrical system voltage	V	2	24	
	7-10	Battery voltage, rated capacity	V / Ah	24 / 102		
	8-0	Drive control / transmission	Type	Powershift Transmission		
	8-1	Type of drive unit	Type	Torque Converter		
ш	8-2	Transmission manufacturer / type	Type	ZF 5V	VG211	
DRIVE	8-2-1	Transmission speeds forward / backward	#	5	/3	
	8-4	Wheel drive / drive axle manufacturer / type	Type	AxleTech / P	RC 1756W3H	
	8-11	Service brake	Type	Oil immers	ed (wet) disc	
	8-12	Parking brake	Type	Spring applied, dr	y disc on drive axle	
	10-1	Operating pressure for attachments	MPa	2	2.5	
	10-2	Oil volume for attachments	I/m	1	00	
	10-3	Hydraulic tank capacity	1	2	03	
MISC	10-4	Fuel tank capacity	1	3	03	
_	10-4-1	DEF/AdBlue Tank capacity	1	N/A	38	
	10-5	Steering design	Type	Hydraulic Po	ower Steering	
	10-6	Number of steering rotations	#	4	.4	

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products are subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative

Safety: This truck conforms to the current EU, UKCA and ANSI requirements.

Hyster trucks are designed to meet ANSI B56.1 section 7.29 and ISO 6055 for overhead guard / operator cabin which are specifically developed for powered industrial trucks.

These standards specify the requirements and testing of overhead guards, operators' legs and feet protection, roll-over protection system (ROPS) and falling-object protection system (FOPS) for any type of high lift, rider operated, powered industrial truck.

Specification data is based on VDI 2198.

STANDARD AND OPTIONAL EQUIPMENT FRONT END EQUIPMENT



PIN TYPE AND QUICK DISCONNECT Hook type forks	DUAL FUNCTION PIN TYPE CARRIAGE
I LILLE	



PERFORMANCE	STD	OPT	ERGONOMICS (continued)
Mercedes-Benz OM936 7.7L Stage V Diesel Engine 180 kW @ 2200 rpm	Stage V		Steering wheel with spinner knob
Cummins QSB 6.7 Stage IIIA Diesel Engine 164 kW @ 2000 rpm		Stage IIIA	Directional control lever
Heavy duty air intake	Х		Directional control on Mini-levers or Joystick
Raised air intake pre-filter		X	Hyster Monotrol pedal directional control
Hydrodynamic 5-speed ZF WG211 transmission	Х		Park brake - manual
AxleTech Drive Axle PRC1756 W3H with wet disc brakes	Х		Park brake - automatic
DRIVE	STD	OPT	Heater with adjustable speed fan (Enclosed operator cabin)
Travel Speed Limiter - unconditional and customer adjustable - pre-set to 16km/hr		Х	Diesel fuelled cabin heater
14.00 x 24-24 Pneumatic Steer and Drive	Х		Telescoping and tilting steering column
14.00 x 24 Pneumatic Shaped Solids Steer and Drive		Χ	USB outlet inside armrest
14.00 x 24 Michelin XZM Radial Steer and Drive		Х	24/12 DC converter with 2 sockets and 2 USB outlets
14.00 x 24 Trelleborg Radial Steer and Drive		Χ	Automatic climate control
Spare wheels and tyres		Х	Reading light
LIFT	STD	OPT	
2-stage Non Free Lift mast	Х	01.1	Sun shades on top and rear
Mast tilt - 10° Forward / 12° Back	X		Sun visors front window
Mast tilt - 10° Forward / 10° Back	^	Х	Trainer seat
Mast tilt - 10° Forward / 10° Back		X	Recirculation fan
Mast tilt - 10° Forward / 7° Back		X	Accessory mounting bar on cab front right pillar
			Document holder on cab front right pillar
Mast tilt - 10° Forward / 9° Back		X	Heated top- and/or rear window
Mast tilt - 5° Forward / 5° Back		X	Radio preparation set-up (wiring, two speakers and antenna)
Mast Tilt Indicator - Mechanical		X	Bluetooth radio with 2 speakers and antenna
Hydraulic Accumulator		Х	VISIBILITY
Pressure compensated lowering	Χ		Exterior mirrors mounted to cab
HANDLING	STD	OPT	Interior wide angle mirrors
2680mm Pin type dual function sideshift carriage with simultaneous and independent		Х	Rear view camera system
fork positioner (H18XD)		~	•
2680mm Hook type dual function sideshift carriage with simultaneous and	Χ		Radar object detection system
independent fork positioner (H18XD) 2940mm Pin type dual function sideshift carriage with simultaneous and independent			Halogen work lights
fork positioner (H20XD)		X	LED work lights
2940mm Hook type dual function sideshift carriage with simultaneous and	V		High Performance LED work lights
independent fork positioner (H20XD)	Х		Two head lights mounted on front fenders
2680mm Hook type sideshift carriage with individual fork positioner with 1 auxiliary		Х	Mast mounted work lights
function (H18XD)			Four cabin mounted work lights
2940mm Hook type sideshift carriage with individual fork positioner with 1 auxiliary		X	Two rearward work lights mounted on the cabin
function (H20XD) 1200mm Hook type quick disconnect coil ram		Х	LED stop/tail/brake lights
1800mm Hook type quick disconnect coil ram		X	Turn signals, hazard and marker lights (LED)
200x100x2440 mm Hook type forks capacity 18.000kg @ 900mm LC	Х	^	OPERATION
	^	Х	Air horn 112 dBA
200x100x2135 mm Pin type forks capacity 18.000kg @ 900mm LC		X	Electric horn 105 dBA
200x100x2440 mm Pin type forks capacity 18.000kg @ 900mm LC	V	٨	Audible alarm – reverse direction activated 82–102 dB(A), self-adjusti
250x100x2440 mm Hook type forks capacity 20.000kg @ 900mm LC	Х	V	Audible alarm – reverse direction white noise
200x100x1525 mm Pin type forks capacity 20.000kg @ 750mm LC		X	
200x100x1830 mm Pin type forks capacity 20.000kg @ 900mm LC		X	Forward / reverse motion alarm
250x100x2135 mm Pin type forks capacity 20.000kg @ 900mm LC		X	Blue LED spotlight – rear / front and rear
250x100x2440 mm Pin type forks capacity 20.000kg @ 900mm LC		Х	Seatbelt interlock for engine start
ERGONOMICS	STD	OPT	Tyre pressure monitoring system
Open operator compartment (without doors and screens)	Х		Air-conditioning or automatic climate control off with open door
Enclosed operator cabin		X	Automatic truck shutdown with timer
Manual tilt operator compartment for service	Χ		Lockable battery disconnect switch
Powered tilt operator compartment for service		X	Battery jump start connector (NATO plug)
Isolated cabin mounting for low noise and vibration	Χ		Truck Start with key switch and start button
Operator presence system	Χ		Operator password (display) for truck start
Mechanical suspension seat	Х		Power distribution group with fuses
Air suspension seat		X	Fuses partially replaced by electric circuit breakers
Deluxe air suspension seat		Х	Non-lockable fuel cap
Low backrest seat	Х		Lockable fuel cap
High backrest seat		Х	Diesel fuel inlet strainer in filler neck
Additional armrest on left side		Χ	
Cloth seat cover		Х	Hyster Tracker wireless asset management system
Vinyl seat cover	Χ		Hyster Tracker wireless asset management - Access / Verification
Seat heating	А	Х	Hyster Tracker wireless asset management - Monitoring
Seat ventilation		X	Auto greasing system for basic truck and outer mast
2-point high visibility seatbelt	Х	Λ.	24 volt electrical system
Lateral seat sliding mechanism	^	X	Steer wheel lug nut protection
•	V	^	Front mud flaps
Floor mat	X		Rear mud flaps
Coat hook	X		Lifting eyes - 2 front and 2 rear
Front, top and rear wipers with individual controlled washers		Х	APPEARANCE
"I"-pattern front wiper (Enclosed operator cabin)	X		Hyster yellow paint base truck
"H"-pattern front wiper (Enclosed operator cabin)		Х	
Top window with armoured glass (Enclosed operator cabin)	X		Special paint base truck
Steel bars under amoured glass top window (Enclosed operator cabin)		X	Operator compartment special paint (Completely only)
Tinted operator compartment windows (all)		Χ	Hazard warning striping on counterweight
Tinted operator compartment top window		Х	SUPPLEMENTAL
Timed operator compartment top window		X	Literature package
Plexiglass shield in front of front window			
		X	Operator's manual
Plexiglass shield in front of front window		X	CE certification*
Plexiglass shield in front of front window Wire mesh installed on top of operator compartment	Х		CE certification*
Plexiglass shield in front of front window Wire mesh installed on top of operator compartment Operator shield wire mesh	X		

ERGONOMICS (continued)	STD	OPT
Steering wheel with spinner knob Directional control lever	X	Х
Directional control on Mini-levers or Joystick	Х	
Hyster Monotrol pedal directional control		Х
Park brake - manual	Х	
Park brake - automatic	V	Х
Heater with adjustable speed fan (Enclosed operator cabin) Diesel fuelled cabin heater	Х	Х
Telescoping and tilting steering column	Х	^
USB outlet inside armrest	X	
24/12 DC converter with 2 sockets and 2 USB outlets		Х
Automatic climate control		X
Reading light		X
Sun shades on top and rear Sun visors front window		X
Trainer seat		X
Recirculation fan		Х
Accessory mounting bar on cab front right pillar		X
Document holder on cab front right pillar		Х
Heated top- and/or rear window		X
Radio preparation set-up (wiring, two speakers and antenna) Bluetooth radio with 2 speakers and antenna		X
VISIBILITY	STD	OPT
Exterior mirrors mounted to cab	0.0	Х
Interior wide angle mirrors	Х	
Rear view camera system		Х
Radar object detection system		Х
Halogen work lights	X	V
LED work lights High Performance LED work lights		X
Two head lights mounted on front fenders		X
Mast mounted work lights		X
Four cabin mounted work lights		Х
Two rearward work lights mounted on the cabin	Х	
LED stop/tail/brake lights	X	
Turn signals, hazard and marker lights (LED)	X	
ODEDATION	et D	OPT
	STD	OPT X
Air horn 112 dBA	STD X	OPT X
Air hom 112 dBA Electric horn 105 dBA		
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting		Х
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm		X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear		X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start		X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system		X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door		X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer		X X X X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer Lockable battery disconnect switch Battery jump start connector (NATO plug)	X	X X X X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer Lockable battery disconnect switch Battery jump start connector (NATO plug) Truck Start with key switch and start button		X X X X X X X X X X X X X X X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer Lockable battery disconnect switch Battery jump start connector (NATO plug) Truck Start with key switch and start button Operator password (display) for truck start	X	X X X X X X X X X X X X X X X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm — reverse direction activated 82–102 dB(A), self-adjusting Audible alarm — reverse direction white noise Forward / reverse motion alarm Blue LED spotlight — rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer Lockable battery disconnect switch Battery jump start connect switch Battery jump start convector (NATO plug) Truck Start with key switch and start button Operator password (display) for truck start Power distribution group with fuses	X	X X X X X X X X X X X X X X X X X X X
Air horn 112 dBA Electric horn 105 dBA Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Audible alarm – reverse direction white noise Forward / reverse motion alarm Blue LED spotlight – rear / front and rear Seatbelt interlock for engine start Tyre pressure monitoring system Air-conditioning or automatic climate control off with open door Automatic truck shutdown with timer Lockable battery disconnect switch Battery jump start connector (NATO plug) Truck Start with key switch and start button Operator password (display) for truck start Power distribution group with fuses Fuses partially replaced by electric circuit breakers	X	X X X X X X X X X X X X X
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* CE Standard for Stage V and Optional for Stage IIIA. Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.





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