

Nombre intervention     Normalia     Proceeding			Sp	ecificati	on			
11.1     Manufacturer is particly or manufalleral petrofilled gauranual     Physical	Iden	tification	_	-		-	_	-
12Mundamen's peckegatoria2067-32007-72007-	-	Normalia Constantia		Hyundai	Hyundai	Hyundai	Hyundai	Houndai
13     Derse     OPSE     OPSE     OPSE     OPSE     OPSE     OPSE       14     Type of openationaling-inductoriau samed order gine     seated	100 million (1990)							
14     Speed openationshandpacestanizanding seared corier pole     seared     seared <td>and the second</td> <td></td> <td>s,manual</td> <td></td> <td>a handle</td> <td></td> <td></td> <td></td>	and the second		s,manual		a handle			
10     Load convert diame     cmm     590     590     590     590     590       18     Load convert diame and to fork     xmm     461     461     464     464       Wite Pire     ymm     L550     L560     L700     L700     L700       28     And backarding loaded front/war     kg     4847/T57     5557 7415     6450 7402     5585 7128     6450 1402       23     And backarding loaded front/war     kg     4847/T57     5557 7415     6450 7402     5585 7128     6557 128       34     Ressing fronts superelastic progenantic polymerthane     preumatic	100 A 100 A	Type of operation:hand,pedestrian,standing.seated,	order-picker	seated	seated	seated	seated	seated
18     Lad distance center of drive ade to fork     xmm     461     461     464     464     464       19     Wheethare     ymm     1.650     1.000     1.000     1.000       21     Serviceweight     ig     5.004     3.894     4.411     4.823     4.823       23     Aele caling loaded front/ner     ig     1.837/1201     5.5797.815     6.650/961     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.857/1288     6.571/1288     6.511-514478<	1.5	Load capacity / rated load	kg	2,000	2,500	3,000	3,300	3,500
1.9     Vinetaise     ymm     1.650     1.260     1.700     1.700       Vinetaise     3     Service weight     kg     3.094     3.094     4.411     4.823     4.823       23     Anke backing loaded foru/new     kg     4.897.1737     5.577.815     6.450.7981     6.855.71238     6.855.71738	1.6	Load center distance	cmm	500	500	500	500	500
Weether     Nome     Nome     Nome       2.1     Service wight     ig     4,847/157     5579/815     6,459/161     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     6,859/128     1,713/110     1,733/110     1,733/110     1,733/110     1,733/110     1,733/110     1,733/110     1,733/110     1,733/111     6,859/161/128     6,50-10-128     5,51     5,51     5,51	1.8	Load distance, center of drive axle to fork	xmm	461	461	464	464	464
1     Server weight     ig     3,004     3,894     4,411     4423     442       22     Ande loading, unbacked front/near     ig     4,8407/373     5,579/815     6,450/961     6,885/1238     6,851-1549R     8,51-51-149R     8,51-15-149R     8,51-15-149R     8,51-15-149R     8,51-15-149R     8,51-15-149R     8,51-15-149R     1,005	1.9	Wheelbase .	ymm	1,650	1,650	1,700	1,700	1,700
2.2     Adv loading, loaded front/near     ip     4.847/1757     5.577/815     6.459/4901     6.8557/1238     6.6857/1238     6.6857/1238     6.6857/1238     6.6857/1238     1.7187/110       2.3     Adve loading, undeaded front/near     ip     Inters.solid indber, superalatic, pneumatic, polyurethane, pneumatic	Weig			_		_		-
13     Adv loading unloaded front/near     lip     1,633/1921     1,623/2271     1,749/2663     1,713/3110     1.713/3110       Wmeets, Chassis     mesualic, polyumethane     pneumatic	Concernant of							
Wheels. Chastis     presunatic     pr								
3.1     Tressold rubbes superelastic, preumatic, polyurethane     pneumatic     pneumatic <td>-</td> <td></td> <td>kg</td> <td>1,683/1,921</td> <td>1,523/2,2/1</td> <td>1,748/2,063</td> <td>1,713/3,110</td> <td>1,713/3,110</td>	-		kg	1,683/1,921	1,523/2,2/1	1,748/2,063	1,713/3,110	1,713/3,110
3.2     Tires size, front(b) x width)     7:00-12-129R     8:15-15-14PR     8:15-15-15-15-15-15-15-15-15-15-15-15-15-1	-	the second s		no um stis	moumatic	pourpatic	moumatic	on our stic
3.3     The size, rart(Q x width)     600-9-10PR     650-10-12PR     650-110-0     610-110-0     610-110-0     100-110-0     100-110-0 <t< td=""><td>Contraction for</td><td></td><td>yurethane</td><td></td><td></td><td></td><td></td><td></td></t<>	Contraction for		yurethane					
3.5     Wheels, number front x trear (su-driven wheels)     s2/2								
3.6     Track width, front     mm     965     965     1.005     1.005     1.005       3.7     Track width, froat     mm     980     100     6.10     6.710     7.713		The second state of the se	10					
3.7     Track width, rear     mm     980     980     980     980     980       Base Dimensions	-				12.22			
Basic Dimensions     Imax (/nk cariage tit forward / backwardt/β)     degrees     6 / 10     10 <td></td> <td></td> <td>200.0</td> <td></td> <td></td> <td></td> <td></td> <td></td>			200.0					
4.1     Mast / fork carriage tilt forward / backwardα/β)     degrees     6 / 10     120     120     120     121     100     1106     1106     1106     1106     1106     120     1230     1230     1230     1230     1230     1230     1230     1230     1230     1230     1230     1230     1230     1230 <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	-							
4.2     Lowered mast height     h I mm     2.175     2.175     2.190     2.190     2.190       4.3     Free Int     N2 mm     155     156     135     438     54     438     54     330	-		degrees	6 / 10	6/10	6/10	6 / 10	6 / 10
4.4     Lift height     h3 (mm)     3.300     3.300     3.200     3.200       4.5     Extended mast height     H4 (mm)     4.485     4.385     1.050 h1250x45     1.050 h1260x450	4.2			2,175	2,175	2,190	2,190	2,190
4.5     Extended mast height     h4 (mm)     4.485     4.485     4.485     4.385     4.385       4.7     Overhead load guard (tab) height     h5 (mm)     2.160     2.160     2.180     2.180       4.8     Seat height / standing height     h7 (mm)     1.086     1.086     1.106     1.106       4.12     Coupling height     h10 (mm)     306     330     330     330       4.12     Overall length     11 (mm)     3.577     3.632     3.788     3.806     3.806       4.20     Length to face of forks     1.2 (mm)     2.527     2.582     2.688     2.756     2.756       4.21     Overall width     b1 (mm)     1.050x100x45     1.050x125x45     1.050x	4.3	Free lift	h2 (mm)	155	155	155	155	155
4.7     Overhead load guard (cab) height     h5 (mm)     2,160     2,180     2,180     2,180       4.8     Seat height / standing height     h7 (mm)     1,086     1,066     1,106     1,106       4.12     Coupling height     h10 (mm)     306     330     330     330       4.10     Overall length     11 (mm)     3,577     3,632     3,738     3,806     3300       4.20     Length to face of forks     12 (mm)     2,527     2,582     2,688     2,756     2,756       4.21     Fork dimensions/hook type)     s/e/1 (mm)     1,160     1,100     1,230     1,3	4.4	Lift height	h3 (mm)	3,300	3,300	3,300	3,200	3,200
4.8     Seat height / standing height     h7 (mm)     1,086     1,086     1,106     1,106       4.12     Coupling height     h10 (mm)     306     330     330     330       4.19     Overall length     H1 (mm)     2,577     3,632     3,738     3,806     2,806       4.20     Length to face of forks     L1 (mm)     2,527     2,582     2,688     2,756     2,756       4.21     Overall width     b1 (mm)     1,160     1,160     1,230     1,230     1,230       4.22     Fork carriage ISO 2328, class / type AB     2A     3A     3A     3A     4.42     fork carriage ISO 2328, class / type AB     2A     3A     3A     3A     3A     4.34     1,084 </td <td>4.5</td> <td>Extended mast height</td> <td>.h4 (mm)</td> <td>4,485</td> <td>4,485</td> <td>4,485</td> <td>4,385</td> <td>4,385</td>	4.5	Extended mast height	.h4 (mm)	4,485	4,485	4,485	4,385	4,385
4.12     Coupling height     h10 (mm)     306     306     330     330     330       4.19     Overall length     II (mm)     3.577     3.632     3.738     3.806     3.806       4.20     Length to face of forks     12 (mm)     2.527     2.582     2.668     2.756     2.756       4.20     Verall width     b1 (mm)     1.160     1.160     1.230     1.230     1.230       4.22     Fork carriage Kolztsky     s/e / Imm)     1.050x100x45     1.050x125x45     .	4.7	Overhead load guard (cab) height	h5 (mm)	2,160	2,160	2,180	2,180	2,180
4.19     Overall length     11 (mm)     3.577     3.632     3.738     3.806     3.806       4.20     Length to face of forks     12 (mm)     2.527     2.582     2.688     2.756     2.756       4.21     Overall width     b1 (mm)     1,160     1,230     1.230     1.230       4.22     Fork carriage iso 2328, class / type A.8     2A     2A     3A     3A     3A       4.23     fork carriage iso 2328, class / type A.8     2A     2A     3A     3A     3A       4.31     Ground clearance, loaded, under mast     m1(mn)     10.84     1,084     1,084     1,084     1,084       4.33     Alse width for pallets 1000x1,200 crosswayk.W/M ast(mm)     39.16     33.970     4.066     4.102     4.131       4.34     Alse width for pallets 1000x1,200 crosswayk.W/M ast(mm)     39.16     33.970     4.066     4.102     4.331       4.35     Turning radius     Waimm)     2.116     4.176     4.266     4.302     4.331       5.1     Travel speed, unloaded     mn/s     570.7590 <td>4.8</td> <td>Seat height / standing height</td> <td>h7 (mm)</td> <td>1,086</td> <td>1,086</td> <td>1,106</td> <td>1,106</td> <td>1,106</td>	4.8	Seat height / standing height	h7 (mm)	1,086	1,086	1,106	1,106	1,106
4.20     Length to face of forks     12 (mm)     2.527     2.582     2.688     2.756     2.756       4.21     Overall width     b1 (mm)     1,160     1,160     1,230     1,230     1,230       4.22     Fork dimensions/hook type)     s/e/1 (mm)     1,050x100x45     1,050x125x45	4.12	Coupling height	h10 (mm)	306	306	330	330	330
4.21     Overall width     b1 (nm)     1,160     1,160     1,230     1,230     1,230       4.22     Fork dimensions/book type)     s / e1 (nm)     1,050x100x45     1,050x125x45     1,050	-		and the second		3,632	3,738		
4.22     Fork dimensions/hook type)     s/e/l(mm)     1,050x100x45     1,050x125x45     1,050x125x45     1,050x125x45       4.23     Fork carriage ISO 2328, class / type A.B     2A     2A     3A     3A     3A       4.24     Fork-carriage with     b12 (mm)     1,084     1,084     1,084     1,084     1,084       4.31     Ground clearance, loaded, under mast     m1(mm)     114     108     118     115     115       4.32     Ground clearance, centre of wheelbase     m2(mm)     185     185     198     198     198       4.33     Aske width for pallets 100x1,200 crosswayb.xWl     Astimm)     4,116     4,170     4,266     4,102     4,131       4.34     Alske width for pallets 800x1,200 lengthwaybxL     Astimm)     2,448     2,302     2,398     2,434     2,463       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       5.1     Travel speed, unloaded     mm/s     570/590     550/590     460/480     450/480     420/460     50 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
4.23     Fork carriage ISO 2328, class / type A.B     2A     2A     3A     3A     3A       4.24     Fork-carriage width     b12 (mm)     1,084     1,084     1,084     1,084     1,084       4.31     Ground clearance, loaded, under mast     m1 (mm)     114     108     118     115     115       4.32     Ground clearance, centre of wheelbase     m2(mm)     185     185     198     198     198       4.33     Asle width for pallets 1,000x1,200 crossway&xWl     Ast(mm)     4,116     4,170     4,266     4,102     4,311       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       4.36     smallest pivot point distance     b13(mm)     714     711     731     731       Performance. Data     mm/s     570 / 590     550 / 590     460 / 480     420 / 490     420 / 490       5.3     Lowering speed, loaded/ unloaded     mm/s     500 / 450     500 / 450     500 / 450     500 / 450     500 / 450     500 / 450     500 / 450     500 /	-							
4.24     Fork-carriage width     b12 (nm)     1,084     1,084     1,084     1,084       4.31     Ground clearance, loaded, under mast     m1(mm)     114     108     118     115     115       4.32     Ground clearance, centre of wheelbase     m2(mm)     185     185     198     198     198       4.33     Aisle width for pallets 1,000x1,200 crossway&W/     Ast(mm)     3,916     3,970     4,066     4,102     4,131       4.34     Aisle width for pallets 800x1,200 lengthwajWxL     Ast(mm)     4,116     4,170     4,266     4,302     4,331       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       5.1     Travel speed, unloaded     km/h     17.6     17.6     18.5     18.5     19.7       5.2     Uff speed, loaded/unloaded     mm/s     570 / 590     550 / 590     460 / 480     420 / 460       5.3     Drawbar pull, loaded     kg     2.257     2,2161     2,162     2.337       5.4     Gradient performance, loaded/unloade	Contractor I		/e/I(mm)					
4.31     Ground clearance, loaded, under mast     m1(mm)     114     108     118     115     115       4.32     Ground clearance, centre of wheelbase     m2(mm)     185     185     198     198     198     198       4.33     Aske width for pallets 1,000x1,200 crosswayk.WM     Ast(mm)     3,916     3,970     4,066     4,102     4,131       4.34     Aske width for pallets 800x1,200 lengthwayk/uJ     Ast(mm)     3,916     3,970     4,066     4,102     4,131       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,443     2,463       5.3     Turning radius     Wa(mm)     2,248     2,302     2,398     2,443     2,463       5.3     Travel speed, unloaded     km/h     17.6     17.6     18.5     18.5     19.7       5.1     Travel speed, unloaded     km/h     17.6     17.6     18.5     18.5     19.7       5.1     Drawbar pul, loaded/unloaded     mm/s     570 / 590     550 / 590     460/480     450/480     420/460 <td></td> <td>and the second second</td> <td>h17 (mm)</td> <td></td> <td></td> <td></td> <td>-</td> <td></td>		and the second	h17 (mm)				-	
4.32     Ground clearance, centre of wheelbase     m2/mml     185     185     198     198     198       4.33     Aisle width for pallets 1,000x1,200 crosswajkxW/     Ast(mm)     3,916     3,970     4,066     4,102     4,131       4.34     Aisle width for pallets 800x1,200 lengthwajkk/L     Ast(mm)     4,116     4,170     4,266     4,302     4,331       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       5.35     Smallest pivot point distance     b13/mm)     714     714     731     731     731       Performance Data       5.1     Travel speed, unloaded     mm/s     570/590     550/590     460/480     420/460       5.3     Lowering speed, loaded/ unloaded     mm/s     520/450     50								
4.33   Aisle width for pallets 1,000x1,200 crossway&xW/   Ast(mm)   3,916   3,970   4,066   4,102   4,131     4.34   Aisle width for pallets 800x1,200 lengthwaj&xW/   Ast(mm)   4,116   4,170   4,266   4,302   4,331     4.35   Turning radius   Wa(mm)   2,248   2,302   2,398   2,434   2,463     4.36   Smallest pivot point distance   b13(mm)   714   714   731   731   731     Performance Data     5.1   Travel speed, unloaded   km/h   17.6   17.6   18.5   18.5   19.7     5.2   Lift speed, loaded/unloaded   mm/s   570 / 590   550 / 590   460 / 480   450 / 480   420 / 460     5.3   Lowering speed, loaded/unloaded   mm/s   500 / 450 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
4.34     Aisle width for pallets 800x1,200 lengthwa)¥0xL     Ast(mm)     4,116     4,170     4,266     4,302     4,331       4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       4.36     Smallest pivot point distance     b13(mm)     714     714     731     731     731       Performance Data        17,6     17,6     18,5     18,5     19,7       5.2     Lift speed, loaded/ unloaded     mm/s     570,7590     550,7590     460,480     420,460     533     Lowering speed, loaded/unloaded     mm/s     500,450								
4.35     Turning radius     Wa(mm)     2,248     2,302     2,398     2,434     2,463       4.36     Smallest pivot point distance     b13(mm)     714     714     731     731     731       Performance Data		and the second						
4.36     Smallest pivot point distance     b13(mm)     714     714     731     731     731       Performance Data     Travel speed, unloaded     km/h     176     176     185     185     19,7       5.2     Lift speed, loaded/ unloaded     mm/s     570/590     550/590     460/480     450/480     420/460       5.3     Lowering speed, loaded/ unloaded     mm/s     500/450								
5.1     Travel speed, unloaded     km/h     17.6     17.6     18.5     18.5     19.7       5.2     Lift speed, loaded/ unloaded     mm/s     570/590     550/590     460/480     450/480     420/460       5.3     Lowering speed, loaded/ unloaded     mm/s     500/450 <td>-</td> <td></td> <td>b13(mm)</td> <td>714</td> <td></td> <td></td> <td>731</td> <td>731</td>	-		b13(mm)	714			731	731
5.2     Lift speed, loaded/ unloaded     mm/s     570 / 590     550 / 590     460 / 480     450 / 480     420 / 460       5.3     Lowering speed, loaded/unloaded     mm/s     500 / 450     500 / 165     500 / 165     200 / 165     200 / 165     200 / 165     300     30 <td< td=""><td>Perfo</td><td>ormance Data</td><td></td><td>-</td><td></td><td>-</td><td></td><td></td></td<>	Perfo	ormance Data		-		-		
5.3     Lowering speed, loaded/unloaded     mm/s     500/450     60T     FOOT     Edot     Sot	5.1	Travel speed, unloaded	km/h	17.6	17.6	18.5	18.5	19.7
5.5     Drawbar pull, loaded     kg     2,257     2,175     2,161     2,162     2,357       5.7     Gradient performance, loaded/ unloaded     %     40.2/34.1     34.6/29.4     27.9/24.0     25.9/22.2     26.7/16.2       5.9     Acceleration time, loaded/ unloaded(10m)     sec     NA     Sa	5.2	Lift speed, loaded/ unloaded	mm/s	570/590	550/590	460/480	450/480	420/460
5.7   Gradient performance, loaded/ unloaded   %   40.2/34.1   34.6/29.4   27.9/24.0   25.9/22.2   26.7/16.2     5.9   Acceleration time, loaded/ unloaded(10m)   sec   NA   NA   NA   NA   NA     5.10   Service brake   FOOT   FOOT   FOOT   FOOT   FOOT   FOOT   FOOT     Engine manufacturer / type   HMC D488   HMC D488   HMC D488   HMC D488   KUBOTA V3600     6.2   Engine power acc. to ISO 1585   kW   39   39   39   39   48     6.3   Rated speed   1/min   2.500   2.500   2.500   2.300     6.4   No. of cylinder / cubic capacity   anz/cmi   4/2,604   4/2,604   4/2,604   4/3,620     6.5   Fuel consumption acc. To VDI cycle   € /h   2.0   2.2   2.5   2.6   2.66     Oth+r Details     power shift   power shift   power shift   power shift   power shift   200/165   200/165   200/165   200/165   200/165   200/165   200/165   200/165   200/165   200	5.3	Lowering speed, loaded/unloaded	mm/s	500/450	500/450	500/450	500/450	500/450
5.9     Acceleration time, loaded/ unloaded(10m)     sec     NA     NA     NA     NA     NA       5.10     Service brake     FOOT	5.5	Drawbar pull, loaded	kg	2,257	2,275	2,161	2,162	2,357
5.10     Service brake     FOOT     FOOT     FOOT     FOOT     FOOT       Engine       6.1     Engine manufacturer / type     HMC D48B     HMC D48B     HMC D48B     HMC D48B     HMC D48B     KU80TA V3600       6.2     Engine power acc. to ISO 1585     kW     39     39     39     48       6.3     Rated speed     1/min     2,500     2,500     2,500     2,300       6.4     No. of cylinder / cubic capacity     anz/cmi     4/2,604     4/2,604     4/2,604     4/2,604     4/3,620       6.5     Fuel consumption acc. To VDI cycle     £ /h     2.0     2.2     2.5     2.6     2.66       Other Details       8.1     Type of drive control     power shift     power shift     power shift     power shift     power shift     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165     200 / 165	-				34.6/29.4			
Engine     Engine manufacturer / type     HMC D488     HMC D488     HMC D488     HMC D488     HMC D488     KUBOTA V3600       6.2     Engine power acc. to ISO 1585     kW     39     39     39     39     48       6.3     Rated speed     1/min     2,500     2,500     2,500     2,300       6.4     No. of cylinder / cubic capacity     anz/cmi     4/2,604     4/2,604     4/2,604     4/2,604       6.5     Fuel consumption acc. To VDI cycle     £ /h     2.0     2.2     2.5     2.6     2.66       Other Details	-		sec					
6.1     Engine manufacturer / type     HMC D48B     HMC D4BB     HMC D4BB     HMC D48B     HMC D48D<     HMC D48D     HMC D48	-			FOOT	FOOT	FOOT	FOOT	FOOT
6.2     Engine power acc. to ISO 1585     kW     39     39     39     39     39     48       6.3     Rated speed     1/min     2,500     2,500     2,500     2,500     2,300       6.4     No. of cylinder / cubic capacity     anz/cm     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/3,620       6.5     Fuel consumption acc. To VDI cycle     & /h     2.0     2.2     2.5     2.6     2.66       Oth=r Details	-	A REAL PROPERTY AND A REAL						
6.3     Rated speed     1/min     2,500     2,500     2,500     2,500     2,300       6.4     No. of cylinder / cubic capacity     anz/cmi     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/3,620       6.5     Fuel consumption acc. To VDI cycle     & /h     2.0     2.2     2.5     2.6     2.66       Other Details     power shift     200 / 165		I NAME OF TAXABLE PARTY AND ADDRESS OF TAXABLE PARTY.						
6.4     No. of cylinder / cubic capacity     anz/cmi     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/2,604     4/3,620       6.5     Fuel consumption acc. To VDI cycle     ℓ /h     2.0     2.2     2.5     2.6     2.66       Other Details     Type of drive control     power shift	-							
6.5   Fuel consumption acc. To VDI cycle   L /h   2.0   2.2   2.5   2.6   2.66     Other Details     8.1   Type of drive control   power shift								
Other Details     8.1   Type of drive control   power shift   power shi	-							
8.1     Type of drive control     power shift	-		c./n	20	11	2.5	2.0	2.00
8.3 Oil volume & 30 30 30 30 30	1000			power shift	power shift	power shift	power shift.	power shift
8.3 Oil volume & 30 30 30 30 30	8.2	Operating pressure (system / attach)	bar/cm	200/165	200/165	200/165	200/165	200/165
	-						1000	

UNDAI

Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.



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HYUNDAI DIESEL FORK LIFT TRUCKS Environmentally - Friendly

20/25/30/33/35DF-7

35DF -7





# FORKLIFT Excellent Model

## 20DF|25DF|30DF|33DF|35DF -7

# New criterion of Forklift Trucks

Hyundai introduces a new line of 7series diesel forklift trucks. Excellent power and performance makes your business more profitable.

35DF -7

The photograph and the actual equipment may differ in apperance.

MDAI

UN

## 20DF|25DF|30DF|33DF|35DF -7

## High Power & Performance

## **Powerful Engine** HIMC D4BB Engine (20/25/30/33DF-7) 39kW//2,500rpm



Market approved quality of HMC D4BB engine ensures incomparable performance, durability and additional value to the machine, 39kW of the engine is more than enough to suit any work, not just with normal 39kW but with special attachments requiring high power as well (Eu stage III A certified)

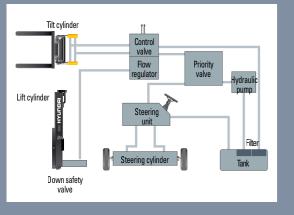
## KUBOTA V3500 Engine (35DF-7) 48kW//2,300rpm



Market approved quality of Kubota V3600 engine ensures incomparable performance, durability and additional value to the machine. 48kW of the engine is more than enough to suit any work, not just with normal 48kW but with special attachments requiring high power as well. (EPA/EU Tier-3 Certified)

### State-of-the-art hydraulic system

The latest large-capacity hydraulic system reacts quickly during operation, and a low-noise control valve increases both efficiency and durability.





#### **Fast and stable** performance

Being able to quickly raise and lower the mast, as well as tilt it forward and backward. provides the best operational conditions during unloading. When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.

#### Faster travel speed & gradeability

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.

> Gradeability(Loaded) 20DF-7 40.2% 30DF-7 27.9% 25DF-7 34.6% 33DF-7 25.9% 35DF-7 26.7%

20DF-7 17.6km/h 25DF-7 17.6km/h



#### Travel speed(Unloaded)

30DF-7 18.5km/h 33DF-7 18.5km/h 35DF-7 19.7km/h





Increased mast tilting angle Utilizing the standard mast tilting angle of 6 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.



Wet disc brake system The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



Fully hydrostatic power steering A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back.



### **OPSS** (Operator Presence **Sensing System**)

Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the normal position.(Option)

## 20DF|25DF|30DF|33DF|35DF -7

## **Comfortable Operation**



Adjustable steering wheel Steering wheel with horn button can be adjusted by a lever on the right-hand side for the most comfortable operator position.



Easy and safe shift lever A single lever on the left side of the steering column gives the operator fast, easy control of direction.



**Multi-function switch lever** Multi-functional switch lever gives easy access to lights and horn.



Quick response of operating control levers Only minimal operator's effort is required for precise, safe and productive control.



**Ergonomically positioned pedals** Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.



ent may differ in apperance

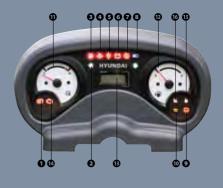
Cup holder & console box Additional storage spaces are located inside the operating space for operator's convenience.

## Ergonomically designed with the operator in mind! A design based on human engineering relieves fatigue and increase operator's efficiency.



New high visibility for safe operation The operator is able to work with increased safety and accuracy due to a wider view mast.

### **Operator friendly gauges and water**resistant monitor panel



Easily adjustable suspension seat An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.



#### Full floating overhead guard mount

The anti-vibration rubber is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This not only reduces operator's fatigue but also increases safety.



## 20DF|25DF|30DF|33DF|35DF -7

## Endurance & Safety

### **Strong overhead guard**

The safety overhead guard exceeds EEC and ANSI regulations and protects the operator during hazardous jobs.



**Parking brake** Ratchet type parking brake requires less efforts from the operator to set.





### **Highly durable** split type drive axle

Powershift transmission provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.





Large footboard & hand grip Wide"open"step offers convenience and safety when entering and exiting truck.

Heavy duty single unit frame Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guaranteeing durability and safety.



Easy access of electrical **Components** Various electric parts are centralized

in dash board resulting in improvement in maintenace



**Bright, protected headlights** Bright, protected headlights is positioned for exceptional visibility.



#### **Ground clearance**

The engine and transmission are assembled horizontally and positioned high in the frame to protect expansive components during operation on rugged surface.

## Durability Easy Maintenance



**Electrically monitored** air filter Air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.



Brake fluid reservoir Highly visible, easily accessible reservoir makes for quicker daily inspections.



An accessible, compact fuse box for easy inspection

# Centralized design for easy service!

An ideal arrangement of component parts ensures easy access and convenience for maintenance.



Easy change air cleaner The air filter is readily accessible for cleaning or replacement. (7inch Cyclone Type)



The photograph and the actual equipment may differ in apperance.



Tool-less floor plate for serviceability.



Large open engine hood Highly accessible engine compartment assures fast and efficient maintenance.



Hydraulic oil check



## Automatic self locking

gas spring Engine compartment hood is held safely open by a self locking gas spring.



Portable side cover



Aluminum radiator with superb protection against heat



Engine oil condition check

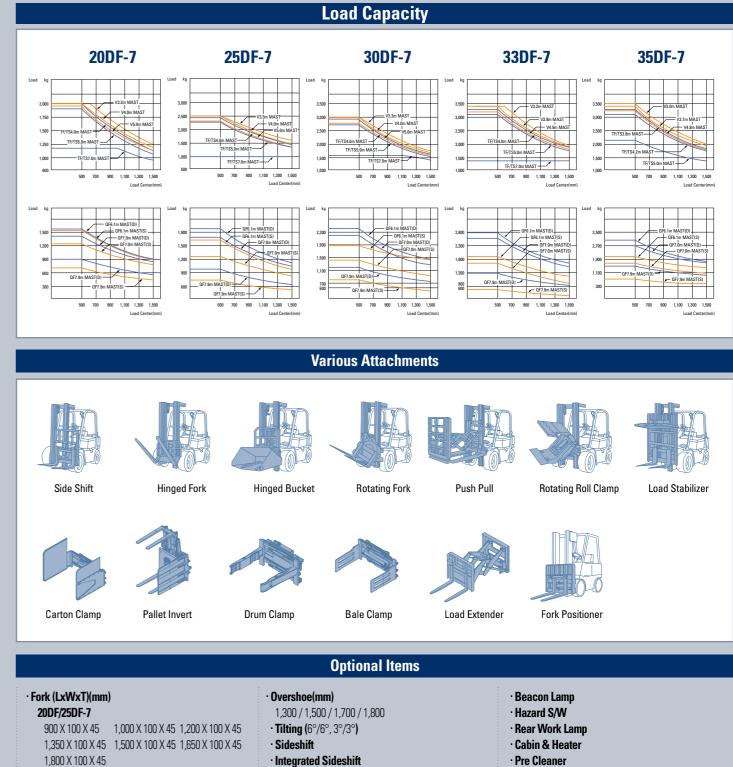
### Specification

	Mast Specification (20DF/25DF/30DF-7)																												
Ma	st Type	Maximum Fork Height	Overall Low	ered		Free Lit	ft Height		Ti An	lt gle		Load		w / o side mm LC	e shift			Loa	d capacit at 500	y w / side mm LC	shift		Truck Weight Unload						
IVId	sciype	(mm)	(m	m)	With bkr(mm)		With / o	bkr(mm)	) deg		Sir	ngle Tire (I	kg)	Do	uble Tire (	kg)	Single Tire (kg) Double Tire (kg)				(kg)	Sir	ngle Tire (	kg)	Double Tire (kg)				
		20/25/30DF-7	20/25DF-7	30DF-7	20/25DF-7	30DF-7	20/25DF-7	30DF-7	Fwd	Bwd	20DF-7	25DF-7	30DF-7	20DF-7	25DF-7	30DF-7	20DF-7	25D-7E	30D-7E	20DF-7	25DF-7	30DF-7	20DF-7	25DF-7	30DF-7	20DF-7	25DF-7	30DF-7	
	V300	3,000	2,025	2,040	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,410	3,723	4,179	3,546	3,859	4,266	
	*V330	3,300	2,175	2,190	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,430	3,743	4,199	3,566	3,879	4,286	
	V350	3,500	2,275	2,290	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,447	3,760	4,217	3,583	3,896	4,304	
2-Stage	V370	3,700	2,425	2,440	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,425	3,000	2,000	2,500	3,000	3,469	3,782	4,240	3,605	3,918	4,326	
limited	V400	4,000	2,575	2,590	155	155	155	155	6	10	2,000	2,460	3,000	2,000	2,500	3,000	2,000	2,385	2,880	2,000	2,425	2,920	3,499	3,812	4,271	3,635	3,948	4,357	
free lift	V430	4,300	2,725	2,740	155	155	155	155	6	6	2,000	2,410	2,900	2,000	2,470	2,950	1,925	2,335	2,800	2,000	2,395	2,850	3,550	3,863	4,323	3,687	4,000	4,410	
	V450	4,500	2,875	2,890	155	155	155	155	6	6	1,970	2,350	2,850	2,000	2,430	2,920	1,895	2,275	2,750	2,000	2,355	2,820	3,572	3,885	4,346	3,709	4,022	4,433	
	V470	4,700	2,975	2,990	155	155	155	155	6	6	1,940	2,320	2,800	2,000	2,410	2,880	1,865	2,245	2,700	1,925	2,335	2,780	3,587	3,900	4,361	3,723	4,036	4,448	
	V500	5,000	3,125	3,140	155	155	155	155	6	6	1,900	2,260	2,750	1,940	2,350	2,820	1,825	2,185	2,650	1,865	2,275	2,720	3,609	3,922	4,384	3,745	4,058	4,471	
2-Stage	VF290	2,900	2,025	2,040	845	860	1,377	1,314	6	6	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,456	3,769	4,219	3,593	3,906	4,306	
free lift	VF320	3,200	2,175	2,190	995	1,010	1,527	1,464	6	6	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,489	3,802	4,254	3,626	3,939	4,341	
	TF370/TS370	3,700	1,825	1,840	645	660	1,177	1,114	6	6	2,000	2,450	3,000	2,000	2,500	3,000	2,000	2,375	2,880	2,000	2,425	2,880	3,546	3,859	4,329	3,683	3,996	4,415	
	TF400/TS400	4,000	1,925	1,940	745	760	1,277	1,214	6	6	2,000	2,400	2,880	2,000	2,470	2,950	1,925	2,325	2,780	2,000	2,395	2,850	3,570	3,883	4,353	3,707	4,020	4,439	
	TF430/TS430	4,300	2,025	2,040	845	860	1,377	1,314	6	6	1,950	2,340	2,830	2,000	2,410	2,880	1,875	2,265	2,730	1,925	2,335	2,780	3,588	3,901	4,375	3,725	4,038	4,461	
3-Stage	TF450/TS450	4,500	2,125	2,140	945	960	1,477	1,414	6	6	1,930	2,310	2,780	1,960	2,380	2,830	1,855	2,235	2,680	1,885	2,305	2,730	3,610	3,923	4,401	3,747	4,060	4,487	
full free lift	TF470/TS470	4,700	2,175	2,190	995	1,010	1,527	1,464	6	6	1,890	2,260	2,750	1,930	2,340	2,790	1,815	2,185	2,650	1,855	2,265	2,690	3,624	3,937	4,415	3,761	4,074	4,501	
	TF500/TS500	5,000	2,275	2,290	1,095	1,110	1,627	1,564	6	6	1,840	2,210	2,680	1,890	2,280	2,730	1,765	2,135	2,580	1,815	2,205	2,630	3,646	3,959	4,437	3,783	4,096	4,523	
	TF550/TS550	5,500	2,475	2,490	1,295	1,310	1,827	1,764	6	6	1,770	1,600	2,580	1,810	2,210	2,630	1,695	1,525	2,480	1,735	2,135	2,530	3,685	3,998	4,481	3,822	4,135	4,567	
	TF600/TS600	6,000	2,675	2,690	1,495	1,510	2,027	1,964	6	6	1,400	1,050	1,880	1,750	2,110	2,530	1,325	975	1,780	1,675	2,035	2,430	3,750	4,063	4,551	3,887	4,200	4,637	
	QF610	6,115	2,177	2,175	997	955	1,512	1,449	3	3	1,480	1,580	1,780	1,490	1,810	2,270	1,405	1,505	1,680	1,415	1,735	2,170	3,992	4,305	4,731	4,130	4,443	4,807	
4-Stage	QF660	6,615	2,377	2,375	1,197	1,195	1,712	1,649	3	3	1,380	1,480	1,670	1,400	1,720	2,160	1,305	1,405	1,570	1,325	1,645	2,060	4,052	4,365	4,791	4,190	4,503	4,867	
full	QF700	7,015	2,477	2,475	1,297	1,295	1,812	1,749	3	3	1,180	1,230	1,370	1,310	1,630	2,050	1,105	1,155	1,270	1,235	1,555	1,950	4,082	4,396	4,821	4,221	4,534	4,898	
free lift	QF745	7,465	2,627	2,625	1,447	1,445	1,962	1,899	3	3	900	950	1,050	1,210	1,520	1,920	825	875	950	1,135	1,445	1,820	4,128	4,441	4,867	4,327	4,580	4,943	
	QF790	7,915	2,777	2,775	1,597	1,595	2,112	2,049	3	3	600	650	750	8,10	910	1,090	525	575	650	735	835	990	4,228	4,542	4,967	4,367	4,680	5,044	

	Mast Specification (33DF-7)									Mast Specification (35DF-7)																	
Ma	st Type	Maximum Fork Height	Overall Height Lowered	Free Lif	t Height	1	ïlt 1gle		acity w / o t 500 mm LC		city w / side 00 mm LC		Weight load	Ма	Mast Type		Overall Height Lowered	Free Lif	t Height	Tilt Angle			acity w / o t 500 mm LC	,		de Truck Weight Unload	
IVId	sciyhe	(mm)	(mm)	With bkr(mm)	With/o bkr(mm)	d	eg	Single Tire (kg)	Double Tire (kg)	Single Tire (kg)	Double Tire (kg)	Single Tire (kg)	D ouble Tire (kg)	IVId	ытире	Height (mm)	(mm)	With bkr(mm)	With/o bkr(mm)	d	eg	Single Tire (kg)	Double Tire (kg)		Double Tire (kg)	Single Tire (kg)	Double Tire (kg)
		33DF-7	33DF-7	33DF-7	33DF-7		Bwd	33DF-7	33DF-7	33DF-7	33DF-7	33DF-7	33DF-7			35DF-7	35DF-7	35DF-7	35DF-7	-	Bwd	35DF-7	35DF-7	35DF-7	35DF-7	35DF-7	35DF-7
	V290	2,900	2,040	155	155	6	10	3,300	3,300	3,300	3,300	4,390	4,481		*V300	3,005	2,190	155	155	6	10	3,500	3,500	3,500	3,500	4,691	4,783
	*V320	3,200	2,190	155	155	6	10	3,300	3,300	3,300	3,300	4,414	4,505		V320	3,205	2,290	155	155	6	10	3,500	3,500	3,500	3,500	4,706	4,799
	V340	3,400	2,290	155	155	6	10	3,300	3,300	3,300	3,300	4,430	4,521		V350	3,505	2,440	155	155	6	10	3,500	3,500	3,500	3,500	4,730	4,823
2-Stage	V360	3,600	2,440	155	155	6	10	3,300	3,300	3,300	3,300	4,454	4,545	2-Stage	V370 V400	3,705	2,590	155	155	6	10	3,500	3,500	3,500	3,500	4,762	4,855
limited free lift	V390 V420	3,900	2,590	155	155	6	10	3,300	3,300	3,300	3,300	4,486	4,577	limited free lift	V400 V430	4,005	2,740	155	155	6	10	3,500	3,500	3,400	3,500	4,816	4,908
	V420 V440	4,200 4,400	2,740 2,890	155 155	155 155	6	6	3,300 3,275	3,300	3,275 3,200	3,300 3,300	4,539 4,563	4,630 4,654		V450	4,305 4,505	2,890 2,990	155 155	155 155	6	6	3,450 3,400	3,500	3,350 3,300	3,450 3,400	4,839 4,855	4,932 4,948
	V440 V460	4,400	2,050	155	155	6	6	3,275	3,300 3,300	3,200	3,300	4,579	4,670		V430	4,505	3,140	155	155	6	6	3,400	3,480 3,410	3,300	3,400	4,833	4,972
	V400	4,000	3,140	155	155	6	6	3,225	3,300	3,100	3,250	4,602	4,693			4,000	3,140	133	- 130		0	3,340	3,410	3,230	3,300	4,0/3	*,3/2
2-Stage	VF290	2,900	2,090	910	1,269	6	6	3,300	3,200	3,300	3,300	4,429	4,520	2-Stage	VF300	3.010	2,090	1,060	1,529	6	6	3,500	3,500	3,500	3,500	4,755	4,802
full	VF320	3,200	2,240	1,060	1,419	6	6	3,300	3,300	3,300	3,300	4,464	4,555	full free lift	VF320	3,210	2,240	1,160	1,629	6	6	3,500	3,500	3,400	3,500	4,773	4,820
free lift	TF370/TS370	3,700	1,890	710	1,069	6	6	3,300	3,300	3,300	3,300	4,571	4,662	Iree IIIt	TF/TS380	3.845	2,090	910	1,379	6	6	3,350	3,500	3,250	3,450	4,906	4,991
	TF400/TS400	4,000	1,990	810	1,169	6	6	3,275	3,300	3,200	3,300	4,593	4,684		TF/TS400	4.045	2,190	1,010	1,479	6	6	3,300	3,480	3,200	3,380	4,927	5,013
	TF430/TS430	4,300	2,090	910	1,269	6	6	3,200	3,300	3,150	3,225	4,614	4,705		TF/TS420	4,245	2,240	1,060	1,529	6	6	3,250	3,430	3,150	3,350	4,941	5,026
3-Stage	TF450/TS450	4,500	2,190	1,010	1,369	6	6	3,150	3,250	3,075	3,175	4,636	4,727	3-Stage	TF/TS450	4,545	2,340	1,160	1,629	6	6	3,200	3,350	3,100	3,250	4,963	5,049
full free lift	TF470/TS470	4,700	2,240	1,060	1,419	6	6	3,100	3,200	3,025	3,125	4,649	4,740	full free lift	TF/TS500	5,045	2,540	1,360	1,829	6	6	2,000	3,230	1,900	3,150	5,007	5,093
free lift	TF500/TS500	5,000	2,340	1,160	1,519	6	6	3,050	3,125	2,950	3,050	4,672	4,763	iree iiit	TF/TS550	5,545	2,740	1,560	2,029	6	6	1,100	3,100	1,000	3,000	5,080	5,165
	TF550/TS550	5,500	2,540	1,360	1,719	6	6	2,700	3,000	2,450	2,925	4,716	4,807			· ·											
	TF600/TS600	6,000	2,740	1,560	1,919	6	6	1,750	2,900	1,450	2,825	4,788	4,879		•	· ·					•						
	QF610	6,115	2,225	1,045	1,449	3	3	1,950	2,830	1,850	2,730	4,919	4,995		QF595	5,968	2,425	1,245	1,759	3	3	2,730	3,000	2,630	2,900	5,258	5,354
4-Stage	QF660	6,615	2,425	1,245	1,649	3	3	1,850	2,700	1,750	2,600	4,979	5,056	4-Stage	QF635	6,368	2,525	1,345	1,859	3	3	1,800	2,700	1,700	2,600	5,288	5,384
4-Stage full	QF700	7,015	2,525	1,345	1,749	3	3	1,550	2,580	1,450	2,480	5,009	5,085	4-Stage full	QF680	6,818	2,675	1,495	2,009	3	3	1,000	2,500	900	2,400	5,331	5,427
free lift	QF745	7,465	2,675	1,495	1,899	3	3	1,000	2,440	900	2,340	5,051	5,128	free lift	QF725	7,268	2,825	1,645	2,159	3	3	500	1,500	450	1,400	5,434	5,531
	QF790	7,915	2,825	1,645	2,049	3	3	600	1,300	500	1,200	5,155	5,232		•	· ·					•			· ·			-

#### \* TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.





### 30DE/33DE-7

3001/3301-1			
900 X 122 X 45	1,000 X 122 X 45	1,200 X 122 X 45	
1,350 X 122 X 45	1,500 X 122 X 45	1,650 X 122 X 45	
1,800 X 122 X 45	2,150 X 122 X 45		
35DF-7			
900 X 122 X 45	1,150 X 122 X 45	1,200 X 122 X 45	
1,350 X 122 X 45	1,500 X 122 X 45	1,650 X 122 X 45	
1,800 X 122 X 45	1,970 X 122 X 45	2,120 X 122 X 45	
2,400 X 122 X 45			

MCV (3-Spool / 4-Spool) · Master S/W

· Hose - Reel (VF) · Fuel Cap (Without key) • Exhaust (Horizental)

- · Pre Cleaner
- · TS-MAST

Attach Piping (3-Spool piping / 4-Spool piping)

• Seat (Belt, Pocket, Arm rest, Hip rest) · Tire (Solid, No-Marking, Double) • Opss (Travel / Travel + Mast)

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