

List Prices

Section 913
Horizontal Split Case
Fire Pumps
Diesel Engine Drive

Dated:
January 1, 2020

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
WE RESERVE THE RIGHT TO CORRECT PRICING ERRORS
REFER TO ENCOMPASS FOR MOST CURRENT PRICING AND SELECTION TABLES



AURORA®

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List Price Sheet
Horizontal Split Case Fire Pump
Diesel Engine Drive

STANDARD DIESEL PACKAGE PRICING INCLUDES:

PUMP:

UL Listed and FM Approved Horizontal split-case, bronze-fitted pump with packing and lantern rings*, set of suction and discharge pressure gauges, automatic air release valve structural steel base, flexible coupling, coupling guard, and Certified Performance Test**.

DRIVER:

UL Listed and FM Approved diesel engine with lead acid batteries, battery cables, battery rack(s), Commercial grade mufflers(s), flexible exhaust connector(s), piped heat exchanger assembly and engine water heater. One copy of the engine O&M manual is included. **Refer to Option 52, Section 916, for pricing of additional manuals.**

CONTROLLER:

Factory choice UL listed and FM approved automatic Fire Pump controller, in standard enclosure, with 12 or 24 volt battery charger, weekly test start and pressure switch with a range of 0-300 psi for fresh water. Final pressure switch setting must be made at the time of field installation. Optional pressure switch with a 0-600 psi range can be supplied when ordered. Controllers are freight allowed, first destination continental United States only.

* Lantern rings are not furnished when suction pressure exceeds 40 psi.

** Standard testing will be the pump with a shop driver, usually an electric motor, while the diesel will be tested by the diesel manufacturer. If the customer specifies that the pump and diesel engine be tested as a unit, add option pricing for testing as a unit.

NOTE 1: Battery acid, engine coolant, and engine oil are not supplied by the Aurora Factory.

NOTE 2: The following items are not included in the standard diesel package pricing, but may be required for the job: **SEE ACCESSORY SECTION FOR PRICING**

Main Relief Valve

Waste Cone

Fuel Tank and Accessories

Test Manifold, Hose Valve, Flow Indicator

Jockey Pump and Controller (see Section 932)

**HORIZONTAL SPLIT CASE
FIRE PUMP
PUMP COMPONENT
PRICING**

AP DIESEL PUMP ONLY	SUG. LIST PRICE	AP DIESEL PUMP ONLY	SUG. LIST PRICE
2.5-481-10B	\$5,492	8-471-12A	\$21,457
3-481-10	5,979	8-471-13A	22,840
3-491-9C	8,779	8-471-16A	30,541
4-471-10B	17,616	8-471-20A	27,951
4-471-10C	16,147	8-471-20B	28,101
4-481-11A	5,468	8-481-12	8,604
4-481-11C/D	5,492	8-481-17B	10,310
4-481-15	7,590	8-481-21	21,226
4-485-15	11,181	8-481-21A	19,549
4-491-11A	9,113	8-481-24	31,675
4-491-11C	10,384	8-491-14A	14,454
4-491-14C	10,707	8-491-18A	18,391
4-491-8A	8,755	10-471-16A	24,189
4-492-18	13,101	10-471-20A	30,491
5-471-12B	14,920	10-471-20B	30,491
5-471-12C	14,920	10-481-15C	25,597
5-481-11B	6,190	10-481-18	21,280
5-481-11C	5,911	10-481-18D	21,280
5-481-15	6,698	10-491-20	30,087
5-481-15A	8,286	12-471-16A	29,216
5-481-17	7,072	12-471-16B	29,530
5-485-12	15,829	12-471-16C	29,530
5-485-15	20,306	12-471-20A	33,844
5-491-14A	10,998	12-471-20B	33,945
5-491-18A	13,336	12-471-26A	38,348
6-471-12B	17,781	12-481-18A	26,922
6-471-12C	17,781		
6-471-12D	17,781		
6-471-16A	18,220		
6-481-11	6,561		
6-481-11HH	14,379		
6-481-14HH	15,520		
6-481-15/15C	9,873		
6-481-15B	10,924		
6-481-18B	8,370		
6-481-18C	9,334		
6-481-20	10,792		
6-485-12	16,924		
6-485-16/16B	25,411		
6-485-17A	20,971		
6-491-12A	10,208		
6-491-14A	11,815		
6-491-14C	11,786		
6-491-18C	14,260		
6-491-19A	17,399		

Note: This page is not for pump only pricing or replacement pump only pricing. Price pump only from Section 912.

LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
ENGINE AND BASE COMPONENT
DIESEL ENGINE DRIVE

IMPORTANT NOTES:

United States Installations:

1.) Shaded engine HP's do not meet Tier 3 requirements and cannot be used in US installations after January 1, 2012.

Outside United States Installations:

1.) All Engines (shaded or not) can be used outside the U.S.

+ Engine Available with Pressure Limiting Driver Option and Pricing

Fire Pumps

Engine Model	Tier	ENGINE RATED HORSEPOWER AT										DIESEL PRICE INCLUDES BASE, COUPLING, COOLING LOOP, BATTERIES, MUFFLER	UL Driveshaft List Adder
		1470	1760	1900	2100	2250	2300	2350	2600	2800	3000		
CFP5E-F10	T3	84	95	98	101			105	104			59,872	Included
CFP5E-F20	T3	94	107	110	113			118	117			59,767	Included
CFP5E-F30	T3	104	118	121	125			130	129			59,213	Included
CFP5E-F40	T3	113	123	129	136			143	141			59,198	Included
CFP5E-F50	T3	113	129	135	146			150	148			59,178	Included
CFP7E-F10	T3	153	175	162	171			172	174			60,521	Included
CFP7E-F20	T3	166	190	176	185			187	189			60,526	Included
CFP7E-F30	T3	177	205	190	200			201	204			60,081	Included
CFP7E-F40	T3	192	220	204	215			216	219			60,098	Included
CFP7E-F50	T3	205	235	218	229			231	234			60,162	Included
CFP7E-F60	T3	218	247	232	244			245	249			60,250	Included
CFP9E-F10	T3	215	260	275	246		224					73,909	Included
CFP9E-F20	T3	233	282	299	268		244					75,134	Included
CFP9E-F30	T3	252	305	323	289		264					75,263	Included
CFP9E-F40	T3	271	327	347	311		284					75,451	Included
CFP9E-F50	T3	291	350	363	335		304					78,045	Included
CFP9E-F65	T3		380									96,360	Included
CFP9E-F75	T3		401									96,936	Included
CFP9E-F85	T3		410									99,010	Included
CFP15E-F10	T3	382	460	488	488	380						119,366	Included
CFP15E-F20	T3	410	494	524	525	409						115,965	NA
CFP15E-F30	T3	450	536	575	564	418						119,609	NA
CFP15E-F45	T2		585									110,338	NA
CFP15E-F50	T2		610									110,956	NA
CFP15E-F60	T2		650									113,502	NA
CFP15E-F70	T2		686									118,945	NA
CFP23E-F10	T2		698									236,722	NA
CFP23E-F15	T2		698	722	751							255,372	NA
CFP23E-F20	T2		753									236,655	NA
CFP23E-F25	T2		755	774	801							255,747	NA
CFP23E-F30	T2	724	801									241,098	NA
CFP23E-F35	T2		770	798	840							262,802	NA
CFP23E-F40	T2	747	850									246,160	NA
CFP23E-F50	T2	752	925									263,951	NA
CFP23E-F60	T2	817*	1000									274,726	NA
CFP23E-F70	T2	852*	1075									282,488	NA
CFP30E-F10	T1	935*	1087	1025	907							407,111	NA
CFP30E-F20	T1	1017*	1137	1115	997							406,355	NA
CFP30E-F30	T1		1187	1205	1087							432,784	NA
CFP30E-F40	T1		1237	1295	1177							446,977	NA
CFP50-F10	T1	1352										RTF	NA
CFP50-F20	T1	1473										RTF	NA
CFP50-F30	T1	1593										RTF	NA
CFP50-F40	T1	1713										RTF	NA
CFP50-F50	T1		1566									RTF	NA
CFP50-F60	T1		1705									RTF	NA
CFP50-F70	T1		1843									RTF	NA
CFP50-F80	T1		1982									RTF	NA

* These ratings are not listed or approved by UL or FM, but meet the same standards as listed and approved units.

LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
ENGINE AND BASE COMPONENT
DIESEL ENGINE DRIVE

IMPORTANT NOTES:
United States Installations:
 1.) Shaded engine HP's do not meet Tier 3 requirements and cannot be used in US installations after January 1, 2014.
Outside United States Installations:
 1.) All Engines (shaded or not) can be used outside the U.S.
 + Engine Available with Pressure Limiting Driver Option and Pricing

Fire Pumps			ENGINE RATED HORSEPOWER AT									DIESEL PRICE INCLUDES BASE, COUPLING, COOLING LOOP, BATTERIES, MUFFLER	UL Driveshaft List Adder
Engine Model	Tier	1470	1760	1900	2100	2350	2600	2800	3000	3300	3600		
JU4R-UF09 (RAD)	T1		39		48	52						29,966	Included
JU4R-UF11 (RAD)	T1					52	55.5					29,966	Included
JU4R-UF13 (RAD)	T1							66.5	66.5			30,989	Included
JU4R-UF19 (RAD)	T1		58.5		64.5	68						30,161	Included
JU4R-UF21 (RAD)	T1					68	70.5					30,161	Included
JU4R-UF23 (RAD)	T1							76.5	78			31,462	Included
JU4R-UF40 (RAD)	T1		94		105	106						35,174	Included
JU4R-UF49 (RAD)	T1		106		123	117						37,839	Included
JU4R-UF51 (RAD)	T1					119	119					37,839	Included
JU4R-UF53 (RAD)	T1							135	133			37,393	Included
JU4R-UFAEA9 (RAD)	IT4		35		39	42						39,189	Included
JU4R-UFAEE7 (RAD)	IT4		62									39,955	Included
JU4R-UFAEF1 (RAD)	IT4				71	70						39,955	Included
KA4H-UFKA34	T0							50	50			25,230	Included
JU4H-UF10	T1		41 ⁺		51 ⁺	55 ⁺						25,320	Included
JU4H-UF12	T1					55 ⁺	59 ⁺					25,320	Included
JU4H-UF14	T1							70	71			25,622	Included
JU4H-UF20	T1		60 ⁺		67 ⁺	72 ⁺						25,551	Included
JU4H-UF22	T1					72 ⁺	75 ⁺					25,551	Included
JU4H-UF24	T1							80	83			26,148	Included
JU4H-UFH0	T1		73		88	98						28,240	Included
JU4H-UFH2	T1					98	99					28,240	Included
JU4H-UF34	T1							104	115			29,728	Included
JU4H-UF40	T1		94 ⁺		105 ⁺	106 ⁺						28,911	Included
JU4H-UF42	T1					106 ⁺	106 ⁺					28,911	Included
JU4H-UF58	T1	79	110									31,619	Included
JU4H-UF50	T1		110 ⁺		130 ⁺	127 ⁺						31,619	Included
JU4H-UF52	T1					127 ⁺	127 ⁺					31,742	Included
JU4H-UF54	T1							145	145			30,769	Included
JU6H-UFD0	T1		110		144	148						31,467	Included
JU6H-UFD2	T1					148	148					31,467	Included
JU6H-UF30	T1	94	140		160 ⁺	160 ⁺						31,731	Included
JU6H-UF32	T1					160 ⁺	160 ⁺					31,966	Included
JU6H-UF34	T1							160	175			32,611	Included
JU6H-UFM8	T1	136	175									34,418	Included
JU6H-UF58	T1	138	183									35,506	Included
JU6H-UFADK0-D (with	T3		168 ⁺		173 [*]	175 [*]						53,257	Included
JU6H-UFM0	T1		175		207	200						35,486	Included
JU6H-UFM2	T1					200	200					35,486	Included
JU6H-UF50	T1		183 ⁺		210 ⁺	210 ⁺						35,690	Included
JU6H-UF52	T1					210 ⁺	210 ⁺					35,690	Included
JU6H-UF54	T1							216	216			36,345	Included
JU6H-UF60	T1		200 ⁺		240 ⁺	240 ⁺						39,873	Included
JU6H-UF62	T1					240 ⁺	240 ⁺					40,349	Included
JU6H-UFAAPG	T0	220										45,462	Included
JU6H-UFAAQ8	T1		227									42,192	Included
JU6H-UFAARG	T1		252									45,462	Included
JU6H-UFAAS0	T1				260							43,430	Included
JU6H-UFAAT0	T0				293	295						58,170	Included
JU6H-UFAAT2	T0					295	291					58,170	Included
JU6H-UFAAT8	T0		265	273								57,880	Included
JU6H-UF84	T1							259	275			39,974	Included
JU6H-UF94	T0							295	300			50,900	Included

+ Engine Available with Pressure Limiting Driver Option

* These ratings are not listed or approved by UL or FM, but meet the same standards as listed and approved units.

LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
ENGINE AND BASE COMPONENT
DIESEL ENGINE DRIVE

IMPORTANT NOTES:

United States Installations:

1.) Shaded engine HP's do not meet Tier 3 requirements and cannot be used in US installations after January 1, 2014.

Outside United States Installations:

1.) All Engines (shaded or not) can be used outside the U.S.

+ Engine Available with Pressure Limiting Driver Option and Pricing

Fire Pumps		ENGINE RATED HORSEPOWER AT											DIESEL PRICE INCLUDES BASE, COUPLING, COOLING LOOP, BATTERIES, MUFFLER	UL Driveshaft List Adder
Engine Model	Tier	1470	1760	1900	2100	2350	2600	2800	3000	3300	3600			
JW6H-UFAA60	T1					360							69,427	Included
JW6H-UFAA80	T0		422		400								70,561	Included
DP6H-UFAA50	T0		265		280	286							62,090	Included
DP6H-UFAA62	T0					300							66,630	Included
DP6H-UFAA88	T0		290										64,410	Included
DP6H-UFAAX8	T0	240											64,410	Included
DP6H-UFAA70	T0				312	316							73,270	Included
DQ6H-UFAA50	T0				340								63,804	Included
DQ6H-UFAA60	T0		345		360								65,739	Included
DQ6H-UFAA88	T0		375										65,488	Included
DQ6H-UFAA98	T0	300	410										67,540	Included
DR8H-UFAA40	T0	385	460	472	490	490							92,508	NA
DR8H-UFAA5G	T0	450											97,058	NA
DR8H-UFAA68	T0		495										95,836	NA
DR8H-UFAA62	T0			497	500	500							95,836	NA
DS0H-UFAAN0	T0		542		575								97,727	NA
DS0H-UFAA68	T0	522	587										98,544	NA
DS0H-UFAA60	T0				614	606							98,544	NA
DS0H-UFAAMO	T0		520		530								98,851	NA
DS0H-UFAA98	T0		650										104,308	NA
DS0H-UFAA92	T0				722								105,476	NA
JU4H-UFAEA0	IT4		37		42	46							34,696	Included
JU4H-UFAEE8	IT4		64										35,513	Included
JU4H-UFAEF2	IT4				74	74							35,513	Included
JU4H-UFADJ8	T3		86										38,887	Included
JU4H-UFADJ2	T3				99	99							38,887	Included
JU4H-UFADJ2	T3		110		113	118							50,650	
JU4H-UFADJG-D (With PLD Only)	T3		109 ⁺		120 ⁺	123 ⁺							47,443	Included
JU4H-UFADP0	T3		121		125	130							46,863	Included
JU4H-UFADR0	T3		113		136	140							47,672	Included
JU4H-UFADW8	T3		144										48,374	Included
JU4H-UFADY8	T3		157										49,853	Included
JU4H-UFAD98	T3		175										50,825	Included
JU6H-UFADMG	T3				175	175							47,877	Included
JU6H-UFADNG	T3		190		181	183							49,900	Included
JU6H-UFADN0	T3		197		197	200							50,822	Included
JU6H-UFADP8	T3		220										52,465	Included
JU6H-UFADP0	T3				209 ⁺	211 ⁺							53,021	Included
JU6H-UFADQ0	T3				224 ⁺	226 ⁺							52,709	Included
JU6H-UFAD88	T3		237										52,565	Included
JU6H-UFADR8	T3		250										55,287	Included
JU6H-UFADR0	T3				238 ⁺	240 ⁺							53,100	Included
JU6H-UFADS8	T3		260										58,725	Included
JU6H-UFADW8	T3		282										60,232	Included
JU6H-UFADT0	T3				274 ⁺	275 ⁺							60,419	Included
JU6H-UFADX8	T3		305										61,253	Included
JU6H-UFAD98	T3		315										62,661	Included

Clarke Fire Protection

+ Engine Available with Pressure Limiting Driver Option

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LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
ENGINE AND BASE COMPONENT
DIESEL ENGINE DRIVE

IMPORTANT NOTES:
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Fire Pumps			ENGINE RATED HORSEPOWER AT										DIESEL PRICE INCLUDES BASE, COUPLING, COOLING LOOP, BATTERIES, MUFFLER	UL Driveshaft List Adder
Engine Model	Tier	1470	1760	1900	2100	2350	2600	2800	3000	3300	3600			
JW6H-UFADF0	T3		327		311								64,322	Included
JW6H-UFADJ0	T3		350		332								65,520	Included
JW6H-UFADD0-D	T3		324 ⁺		351 ⁺								70,104	Included
JW6H-UFAD70	T3		376		399								66,126	Included
JW6H-UFAD80	T3		422		400								87,075	Inc @ 2100 RPM
DT2H-UFAA58	T0	700											139,177	NA
DT2H-UFAA50	T0		800	800	800								158,095	NA
DT2H-UFAA60	T0	725	805	836	880								212,764	NA
DT2H-UFAA88	T0		875										165,036	NA
DT2H-UFAA98	T0	825	982	1000									241,220	NA
DT2H-UFAA92	T0				1025								308,756	NA
JU6R-UFAAD9 (RAD)	T0		107		139	141							37,147	Included
JU6R-UFAAD1 (RAD)	T0					141	139						37,147	Included
JU6R-UFAA29 (RAD)	T0	92	137		155	153							38,835	Included
JU6R-UFAA31 (RAD)	T0					153	151						39,057	Included
JU6R-UFAA33 (RAD)	T0							148	161				39,462	Included
JU6R-UFAAM7 (RAD)	T0	134	172										41,472	Included
JU6R-UFAAM9 (RAD)	T0		172		202	193							43,286	Included
JU6R-UFAAM1 (RAD)	T0					193	191						43,286	Included
JU6R-UFAA57 (RAD)	T0	136	180										41,203	Included
JU6R-UFAA49 (RAD)	T0		180		205	200							43,489	Included
JU6R-UFAA51 (RAD)	T0					200	201						43,489	Included
JU6R-UFAA53 (RAD)	T0							204	202				44,256	Included
JU6R-UFAA59 (RAD)	T0		195		232	228							47,478	Included
JU6R-UFAA61 (RAD)	T0					228	226						47,192	Included
JU6R-UFAAPF (RAD)	T0	203											52,100	Included
JU6R-UFAAQ7 (RAD)	T0		222										48,047	Included
JU6R-UFAARF (RAD)	T0		247										52,100	Included
JU6R-UFAAS9 (RAD)	T0				252								49,006	Included
JU6R-UFAA83 (RAD)	T1							239	260				48,378	Included
DS0R-UFAA59 (RAD)	T0				552								120,545	NA
DS0R-UFAA67 (RAD)	T0	481	538										120,545	NA
DT2R-UFAA19 (RAD)	T0		655	655	655								215,020	NA
DT2R-UFAA49 (RAD)	T0		755	755	755								245,140	NA

Clarke Fire Protection

Clarke Diesel Engine Enclosures

Diesel Engine Enclosures List Price Adder

Weatherproof RTF
 Sound Attenuated RTF
 85 dBA at 1 meter (3.3ft)

LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
ENGINE AND BASE COMPONENT
DIESEL ENGINE DRIVE

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Engine Model	Tier	1470	1760	1900	2100	2350	2600	2800	3000	3300	3600			
C18H0-UFAD12	T3	450										\$106,458	NA	
C18H0-UFAD18	T3		460									96,575	NA	
C18H0-UFAD22	T3	475										111,862	NA	
C18H0-UFAD10	T3			488								96,575	NA	
C18H0-UFAD10	T3				488							96,575	NA	
C18H0-UFAD32	T3	491										114,390	NA	
C18H0-UFAD28	T3		510									100,540	NA	
C18H0-UFAD20	T3			525								100,540	NA	
C18H0-UFAD20	T3				525							100,540	NA	
C18H0-UFAD38	T3		542									103,450	NA	
C18H0-UFAD42	T3	570										116,280	NA	
C18H0-UFAD30	T3			575								103,450	NA	
C18H0-UFAD30	T3				575							103,450	NA	
C18H0-UFAD48	T3		600									105,750	NA	
C18H0-UFAD40	T3			600								105,750	NA	
C18H0-UFAD40	T3				600							105,750	NA	
C18H0-UFAD58	T3		650									106,100	NA	
C18H0-UFAD50	T3			650								106,100	NA	
C18H0-UFAD50	T3				650							106,100	NA	
C18H0-UFAD68	T3		687									107,980	NA	
C18H0-UFAA78	T0	700										122,900	NA	
C18H0-UFAD78	T3		700									122,900	NA	
C18H0-UFAD70	T3			700								122,900	NA	
C18H0-UFAD70	T3				700							122,900	NA	
C18H0-UFAC18	T2		755									154,100	NA	
C18H0-UFAC10	T2			755								154,100	NA	
C18H0-UFAC10	T2				755							154,100	NA	
C18H0-UFAC28	T2		800									154,715	NA	
C18H0-UFAC20	T2			800								154,715	NA	
C18H0-UFAC20	T2				800							154,715	NA	
Engine Model**	Emission Level	1470	1760	1900	2100	2350	2600	2800	3000	3300	3600	DIESEL PRICE INCLUDES BASE, COUPLING, COOLING LOOP, BATTERIES, MUFFLER, PLD	UL Driveshaft List Adder	
C18H0-UFAD12-D	T3	450	460	488	488							\$106,458	NA	
C18H0-FMAD12-S	T3	450	460	488	488							107,748	NA	
C18H0-FMAD12-DS	T3	450	460	488	488							109,658	NA	
C18H0-UFAD22-D	T3	475	510	525	525							111,862	NA	
C18H0-FMAD22-S	T3	475	510	525	525							113,152	NA	
C18H0-FMAD22-DS	T3	475	510	525	525							115,062	NA	
C18H0-UFAD32-D	T3	491	542	556	556							114,390	NA	
C18H0-FMAD32-S	T3	491	542	556	556							115,680	NA	
C18H0-FMAD32-DS	T3	491	542	556	556							117,590	NA	
C18H0-UFAD42-D	T3	570	614	618	618							116,280	NA	
C18H0-FMAD42-S	T3	570	614	618	618							117,570	NA	
C18H0-FMAD42-DS	T3	570	614	618	618							119,480	NA	

**Available only with PLD except at 1470 RPM

Caterpillar													
"Phase O" Engines (Water Cooled Exhaust Manifolds)													
3406C-DIT (0)	T1		292									108,232	TBD
3406C-DITA (0)	T1		420		430							113,485	TBD
"Phase I" Engines (Dry Wrapped Exhaust Manifolds)													
3406C-DIT (1)	T1		370									108,483	TBD
3406C-DITA (1)	T1		460		482	455						113,736	TBD
Cat 18 (600)	T3		600	600	600							153,034	TBD
Cat 18 (700)	T3		700	700	700							168,743	TBD
Cat 18 (800)	T2		800	800	800							189,013	TBD
Cat 18 (800)	T2				800							196,580	TBD

+ Engine Available with Pressure Limiting Driver Option

* These ratings are not listed or approved by UL or FM, but meet the same standards as listed and approved units.

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
PLD ADDER
DIESEL ENGINE DRIVE**

Pressure Limiting Driver Option			1760 RPM	2100 RPM	2350 RPM	2600 RPM
Diesel Engine Model	Engine Adder	Tier				
JU4H-UF10-P1	2,796	T1	41	51	55	
JU4H-UF12-P1	2,796	T1			55	59
JU4H-UF20-P1	2,784	T1	60	67	72	
JU4H-UF22-P1	2,784	T1			72	75
JU4H-UF40-P1	7,275	T1	94	105	106	
JU4H-UF42-P1	7,275	T1			106	106
JU4H-UF50-P1	7,500	T1	110	130	127	
JU4H-UF52-P1	7,377	T1			127	127
JU6H-UF30-P1	9,814	T1	140	160	160	
JU6H-UF32-P1	9,836	T1			160	160
JU6H-UF50-P1	10,149	T1	183	210	210	
JU6H-UF52-P1	10,149	T1			210	210
JU6H-UF60-P1	10,522	T1	200	240	240	
JU6H-UF62-P1	10,564	T1			240	240
JU4H-UFADJG-D (PLD Engine Only)*	0	T3	109	120	123	
JU6H-UFADK0-D (PLD Engine Only)*	0	T3	168	173	175	
JU6H-UFADP0-D	3,465	T3	220	209	211	
JU6H-UFADQ0-D	5,249	T3		224	226	
JU6H-UFADR0-D	6,755	T3		238	240	
JU6H-UFADT0-D	4,818	T3	229	274	275	
JW6H-UFADD0-D (PLD Engine Only)*	0	T3	324	351		
JU6H-UFADP0-S	7,590	T3	220	209	211	
JU6H-UFADQ0-S	5,249	T3		224	226	
JU6H-UFADR0-S	10,879	T3		238	240	
JU6H-UFADT0-S	8,943	T3	229	274	275	
JU6H-UFADP0-DS	9,898	T3	220	209	211	
JU6H-UFADQ0-DS	9,374	T3		224	226	
JU6H-UFADR0-DS	13,188	T3		238	240	
JU6H-UFADT0-DS	11,251	T3	229	274	275	

Diesel Engine Model	Engine Adder	Tier	1470 RPM	1760 RPM	1900 RPM	2100 RPM
C18H0-UFAD12-D	0	T3	450	460	488	488
C18H0-FMAD12-S	0	T3	450	460	488	488
C18H0-FMAD12-DS	0	T3	450	460	488	488
C18H0-UFAD22-D	0	T3	475	510	525	525
C18H0-FMAD22-S	0	T3	475	510	525	525
C18H0-FMAD22-DS	0	T3	475	510	525	525
C18H0-UFAD32-D	0	T3	491	542	556	556
C18H0-FMAD32-S	0	T3	491	542	556	556
C18H0-FMAD32-DS	0	T3	491	542	556	556
C18H0-UFAD42-D	0	T3	570	614	618	618
C18H0-FMAD42-S	0	T3	570	614	618	618
C18H0-FMAD42-DS	0	T3	570	614	618	618

**CLARKE OPTION PRICING: COOLING LOOP
VALVE LABELS \$ 171.00 LIST**

Notes:

- 1) Pressure Limiting Drives must be ordered with "P1-Pressure Set Point"
- 2) Prices are option adders to be added to the price of the diesel engine. P1-100 opt. Pricing
- 3) The Z factor calculation must be checked to determine if the engine can be slowed down enough to meet the system pressure requirements at shutoff. The "PLD Calculator" to determine the Z factor can be found at www.clarkefire.com.

Upon using the "PLD CALCULATOR" please include the log number it returns as well as a copy of the paperwork with your order; failure to do so may delay delivery.

- 4) PLD(s) are UL Listed and FM Approved
- 5) Shaded engine HP's cannot be used in US Installations

Additional PLD requirements:

- 1) An extra pressure sensing line (high pressure fittings) is required before the check valve for connection to the engine.
- 2) High pressure fittings are required up to the fire pump discharge isolation valve. These are required for testing the fire pump at shutoff pressure.
- 3) The fire pump controller must be equipped with visible alarms to read 115% system pressure per NFPA 20 (2003 edition) clause 12.4.1.3.8
- 4) In all PLD installations, a main relief valve must be installed.

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
FM ONLY VARIABLE SPEED ADDER
DIESEL ENGINE DRIVE**

Cummins Variable Speed Option			1470 RPM	1760 RPM	1900 RPM	2100 RPM	2350 RPM	2600 RPM
Diesel Engine Model	Engine Adder	Tier						
CFP5EVS-F10	1,637	T3	84	95	98	101	105	104
CFP5EVS-F20	1,637	T3	94	107	110	113	118	117
CFP5EVS-F30	1,637	T3	104	118	121	125	130	129
CFP5EVS-F40	1,637	T3	113	123	129	136	143	141
CFP5EVS-F50	1,637	T3	113	129	135	146	150	148
CFP7EVS-F10	2,015	T3	153	175	162	171	172	174
CFP7EVS-F20	2,015	T3	166	190	176	185	187	189
CFP7EVS-F30	2,015	T3	177	205	190	200	201	204
CFP7EVS-F40	2,015	T3	192	220	204	215	216	219
CFP7EVS-F50	2,015	T3	205	235	218	229	231	234
CFP7EVS-F60	2,015	T3	218	247	232	244	245	249
			1470 RPM	1760 RPM	1900 RPM	2100 RPM	2300 RPM	
CFP9EVS-F10	2,645	T3	215	260	275	246	224	
CFP9EVS-F20	2,645	T3	233	282	299	268	244	
CFP9EVS-F30	2,645	T3	252	305	323	289	264	
CFP9EVS-F40	2,645	T3	271	327	347	311	284	
CFP9EVS-F50	2,645	T3	291	350	363	335	304	
			1470 RPM	1760 RPM	1900 RPM	2100 RPM	2250 RPM	
CFP15EVS-F10	4,805	T3	382	460	488	488	380	
CFP15EVS-F20	4,805	T3	410	494	524	525	409	
CFP15EVS-F30	4,805	T3	450	536	575	564	418	
CFP23EVS-F15	6,638	T2		698	722	751		
CFP23EVS-F25	6,638	T2		755	774	801		
CFP23EVS-F35	6,638	T2		770	798	840		
CFP30EVS-F10	8,060	T1	935	1087	1025	907		
CFP30EVS-F20	8,060	T1	1017	1137	1115	997		
CFP30EVS-F30	8,060	T1		1187	1205	1087		
CFP30EVS-F40	8,060	T1		1237	1295	1177		

Discharge set points between 100-400 psi
 Pressure set points are programmed at factory before shipment
 Designed to help protect piping from pressure spikes
 Discharge pressure adjusted to not exceed maximum allowed per system components (specified by customer)
 Cummins Variable Speed Engines are only FM Approved
 Please include Pressure Limiting Control Sizing worksheet with order

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
COOLING LOOP LIST ADDERS
DIESEL ENGINE DRIVE**

Diesel Model	Tier	STD 250 PSI Cooling Loop Included in Price of Diesel	250 PSI Sea Water Cooling Loop	250 PSI 316 SS Cooling Loop	250 PSI Galvanized Cooling Loop One Size Larger	250 PSI 316 SS or Seawater Cooling Loop One Size Larger	> 250 PSI Cooling Loop High Pressure
KA4H-UFKA34	T0	STD	RTF	RTF	RTF	RTF	\$1,103
JU4H-UF14	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF24	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF34	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF54	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU6H-UF34	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF54	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF84	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF94	T0	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF10	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF12	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF20	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF22	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFH0	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFH2	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF40	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF42	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF58	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF50	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF52	T1	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFD0	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFD2	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF30	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF32	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFM8	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFM0	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFM2	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF58	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF50	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF52	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF60	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF62	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAAPG	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAAQ8	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAARG	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAAS0	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAATO	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAAT2	T0	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UFAAT8	T0	STD	RTF	RTF	\$417	RTF	\$1,103
DP6H-UFAA50	T0	STD	RTF	RTF	\$417	RTF	\$1,103
DP6H-UFAA62	T0	STD	RTF	RTF	\$417	RTF	\$1,103
DP6H-UFAA88	T0	STD	RTF	RTF	\$417	RTF	\$1,103
DP6H-UFAAX8	T0	STD	RTF	RTF	\$417	RTF	\$1,103

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
COOLING LOOP LIST ADDERS
DIESEL ENGINE DRIVE**

Diesel Model	Tier	STD 250 PSI Cooling Loop Included in Price of Diesel	250 PSI Sea Water Cooling Loop	250 PSI 316 SS Cooling Loop	250 PSI Galvanized Cooling Loop One Size Larger	250 PSI 316 SS or Seawater Cooling Loop One Size Larger	> 250 PSI Cooling Loop High Pressure
DP6H-UFAA70	T0	STD	RTF	RTF	\$417	RTF	\$1,103
DQ6H-UFAA50	T0	STD	RTF	RTF	\$935	RTF	\$1,103
DQ6H-UFAA60	T0	STD	RTF	RTF	\$935	RTF	\$1,103
DQ6H-UFAA88	T0	STD	RTF	RTF	\$935	RTF	\$1,103
DQ6H-UFAA98	T0	STD	RTF	RTF	\$935	RTF	\$1,103
JW6H-UFAA60	T0	STD	RTF	RTF	\$4,169	RTF	\$1,103
JW6H-UFAA80	T0	STD	RTF	RTF	\$4,169	RTF	\$1,103
DR8H-UFAA40	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DR8H-UFAA5G	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DR8H-UFAA68	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DR8H-UFAA62	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DS0H-UFAAM0	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DS0H-UFAAN0	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DS0H-UFAA68	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DS0H-UFAA60	T0	STD	RTF	RTF	\$3,419	RTF	\$1,103
DS0H-UFAA98	T0	STD	RTF	RTF	\$973	RTF	\$1,103
DS0H-UFAA92	T0	STD	RTF	RTF	\$973	RTF	\$1,103
DT2H-UFAA58	T0	STD	RTF	RTF	\$1,044	RTF	\$1,103
DT2H-UFAA50	T0	STD	RTF	RTF	\$1,044	RTF	\$1,103
DT2H-UFAA60	T0	STD	RTF	RTF	RTF	RTF	\$1,103
DT2H-UFAA88	T0	STD	RTF	RTF	\$1,044	RTF	\$1,103
DT2H-UFAA98	T0	STD	RTF	RTF	RTF	RTF	\$1,103
DT2H-UFAA92	T0	STD	RTF	RTF	RTF	RTF	\$1,103
JU4H-UFAEA0	IT4	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFAEE8	IT4	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFAEF2	IT4	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFADJ2	T3	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UFAD5G	T3	STD	RTF	RTF	\$0	RTF	\$1,103
JU4H-UFADP0	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU4H-UFADR0	T3	STD	RTF	RTF	\$417	RTF	\$1,103
JU4H-UFADW8	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU4H-UFADY8	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU4H-UFAD98	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADMG	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFAD58	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADNG	T3	STD	RTF	RTF	\$29	RTF	\$1,103

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
COOLING LOOP LIST ADDERS
DIESEL ENGINE DRIVE**

Diesel Model	Tier	STD 250 PSI Cooling Loop Included in Price of Diesel	250 PSI Sea Water Cooling Loop	250 PSI 316 SS Cooling Loop	250 PSI Galvanized Cooling Loop One Size Larger	250 PSI 316 SS or Seawater Cooling Loop One Size Larger	> 250 PSI Cooling Loop High Pressure
JU6H-UFADN0	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADP0	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADP8	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADQ0	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFAD88	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADR8	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADRO	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADS8	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADS0	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADT0	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADW8	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADX8	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFAD98	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JW6H-UFADF0	T3	STD	RTF	RTF	\$4,169	RTF	\$1,103
JW6H-UFADJ0	T3	STD	RTF	RTF	\$4,169	RTF	\$1,103
JW6H-UFAD70	T3	STD	RTF	RTF	\$4,169	RTF	\$1,103
JW6H-UFAD80	T3	STD	RTF	RTF	\$4,169	RTF	\$1,103
JX6H-UFADF0	T3	STD	RTF	RTF	\$3,419	RTF	\$1,103
JX6H-UFAD60	T3	STD	RTF	RTF	\$3,419	RTF	\$1,103
JX6H-UFADN0	T3	STD	RTF	RTF	\$3,419	RTF	\$1,103
JX6H-UFADP0	T3	STD	RTF	RTF	\$3,419	RTF	\$1,103
JX6H-UFAD88	T3	STD	RTF	RTF	\$3,419	RTF	\$1,103
JU4H-UF10-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF12-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF20-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF22-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF40-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF42-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF50-P1	T1	STD	RTF	RTF	\$136	RTF	\$1,103
JU4H-UF52-P1	T1	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UF30-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF32-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF50-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF52-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF60-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU6H-UF62-P1	T1	STD	RTF	RTF	\$417	RTF	\$1,103
JU4H-UFADJG-D	T3	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADK0-D	T1	STD	RTF	RTF	\$29	RTF	\$1,103
JU6H-UFADP0-D	T3	STD	RTF	RTF	\$345	RTF	\$1,103
JU6H-UFADQ0-D	T3	STD	RTF	RTF	\$345	RTF	\$1,103

**LIST PRICE SHEET
HORIZONTAL SPLIT CASE FIRE PUMP
COOLING LOOP LIST ADDERS
DIESEL ENGINE DRIVE**

Diesel Model	Tier	STD 250 PSI Cooling Loop Included in Price of Diesel	250 PSI Sea Water Cooling Loop	250 PSI 316 SS Cooling Loop	250 PSI Galvanized Cooling Loop One Size Larger	250 PSI 316 SS or Seawater Cooling Loop One Size Larger	> 250 PSI Cooling Loop High Pressure
JU6H-UFADR0-D	T3	STD	RTF	RTF	\$319	RTF	\$1,103
JU6H-UFADR0-S	T3	STD	RTF	RTF	\$319	RTF	\$1,103
JU6H-UFADS0-D	T3	STD	RTF	RTF	\$319	RTF	\$1,103
JU6H-UFADT0-D	T3	STD	RTF	RTF	\$319	RTF	\$1,103
JU6H-UFADT0-S	T3	STD	RTF	RTF	\$319	RTF	\$1,103
JW6H-UFADD0-D	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
JX6H-UFADK0-D	T3	STD	RTF	RTF	\$3,166	RTF	\$1,103
C18H0-UFAD18	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD10	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD10	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD28	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD20	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD20	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD38	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD30	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD30	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD48	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD40	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD40	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD58	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD50	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD50	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD68	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAA78	T0	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD78	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD70	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAD70	T3	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC18	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC10	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC10	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC28	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC20	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103
C18H0-UFAC20	T2	STD	RTF	RTF	\$3,860	RTF	\$1,103

**LIST PRICE SHEET
SPLIT CASE FIRE PUMP
ACCESSORIES
DIESEL ENGINE DRIVE**

Fire pumps are furnished with suction and discharge flanges suitable in diameter and thickness for 250#. Drilling of the discharge flange or both the suction and discharge flanges for 250# bolt hole pattern is available per the table below.

AP PUMP MODEL		FLANGE DRILLING SUCTION / DISCHARGE					
HORIZONTAL	VERTICAL	125# / 125#		125# / 250#		250# / 250#	
		OPTION	LIST	OPTION	LIST	OPTION	LIST
2.5-481-10B	2.5-483-10B	STD	-	38J	\$217	38B	\$266
3-481-10	3-483-10	STD	-	38J	217	38B	266
3-491-9A							
3-491-9C							
4-481-11A	4-483-11A	STD	-	38K	211	38C	266
4-481-11C/D	4-483-11C/D						
4-481-15	4-483-15						
4-491-8A							
4-492-14							
4-492-18							
4-491-11A							
4-491-11C							
4-491-14C							
4-491-14C							
5-481-11B	5-483-11B	STD	-	38L	217	38D	266
5-481-11C	5-483-11C						
5-481-11D							
5-481-15/A	5-483-15						
5-481-17	5-483-17						
5-491-14A							
5-491-18A							
5-491-18A						38D	266
6-481-11	6-483-11	STD	-	38L	217	38D	266
6-481-11HH		N/A	-	STD	-	RTF	266
6-481-14HH							
6-481-15	6-483-15	STD	-	38M	217	38E	266
6-481-15B	6-483-15B						
6-481-15C	6-483-15C						
6-481-18B	6-483-18B						
6-481-18C	6-483-18C						
6-481-20	6-483-20						
6-492-10							
6-491-12A		N/A	-	STD	-	N/A	-
6-491-14A		STD	-	38M	217	38E	266
6-491-14C							
6-491-18C							
6-491-19A							
8-481-12	8-483-12	STD	-	38M	217	38E	266
8-481-17B	8-483-17B						
8-481-21							
8-481-21A							
8-491-14A							
8-491-18A							
10-481-15C		STD	-	38N	297	38F	-
10-481-18							
10-481-18D							
10-491-20		N/A	-	STD	-	N/A	-
12-481-18A		STD	-	38N	297	38G	465
4-485-12		N/A	-	STD	-	38C	266
4-485-15							
5-485-12							
5-485-15							
6-485-16/16B							
6-485-17A							
6-485-17A						38E	