

**ATTACHMENT 1: Engine Family List for ARB Executive Order DE-11-04
HUSS FS-MK System for Transport Refrigeration Units**

Updated 10 August 2017

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1998	Kubota	SKB479U6D2RA	0.479
1998	Kubota	SKB719U6D2RA	0.719
1998	Kubota	SKB1.1U6D2RA	1.123
1999	Kubota	SKB479U6D2RA	0.479
1999	Kubota	SKB719U6D2RA	0.719
1999	Kubota	SKB1.1U6D2RA	1.123
1999	Kubota	XKBXL01.5BCD	1.498
1999	Kubota	XKBXL01.9FCD	1.857
1999	Kubota	XKBXL02.2ECC	2.197
1999	Kubota	XKBXL02.2ECD	2.197
1999	Kubota	XKBXL02.2FCD	2.197
2000	Kubota	YKBXL.719KCB	0.479
2000	Kubota	YKBXL.719KCB	0.719
2000	Kubota	YKBXL01.1BCB	1.123
2000	Kubota	YKBXL01.5BCD	1.498
2000	Kubota	YKBXL01.9FCD	1.857
2000	Kubota	YKBXL02.2ECC	2.197
2000	Kubota	YKBXL02.2ECD	2.197
2000	Kubota	YKBXL02.2FCD	2.197
2001	Kubota	1KBXL.719KCB	0.479
2001	Kubota	1KBXL.719KCB	0.719
2001	Kubota	1KBXL01.1BCB	1.123
2001	Kubota	1KBXL01.5BCD	1.498
2001	Kubota	1KBXL01.9FCD	1.857
2001	Kubota	1KBXL02.2ECC	2.197
2001	Kubota	1KBXL02.2ECD	2.197
2001	Kubota	1KBXL02.2FCD	2.197
2002	Kubota	2KBXL.719KCB	0.479
2002	Kubota	2KBXL.719KCB	0.719
2002	Kubota	2KBXL01.1BCB	1.123
2002	Kubota	2KBXL01.9FCD	1.857
2002	Kubota	2KBXL02.2ECC	2.197
2002	Kubota	2KBXL02.2ECD	2.197
2002	Kubota	2KBXL02.2FCD	2.197
2003	Kubota	3KBXL.719KCB	0.479
2003	Kubota	3KBXL.719KCB	0.719
2003	Kubota	3KBXL01.1BCB	1.123
2003	Kubota	3KBXL01.9FCD	1.857

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2003	Kubota	3KBXL02.2ECC	2.197
2003	Kubota	3KBXL02.2ECD	2.197
2003	Kubota	3KBXL02.2FCD	2.197
2004	Kubota	4KBXL.719KCB	0.479
2004	Kubota	4KBXL.719KCB	0.719
2004	Kubota	4KBXL01.1BCB	1.123
2004	Kubota	4KBXL02.0FCD	1.857
2004	Kubota	4KBXL02.2ECC	2.197
2004	Kubota	4KBXL02.2ECD	2.197
2004	Kubota	4KBXL02.2FCD	2.197
2005	Kubota	5KBXL.719KCB	0.479
2005	Kubota	5KBXL.719KCB	0.719
2005	Kubota	5KBXL01.1BCB	1.123
2005	Kubota	5KBXL02.0FCD	1.857
2005	Kubota	5KBXL02.2ECC	2.197
2005	Kubota	5KBXL02.2ECD	2.197
2005	Kubota	5KBXL02.2FCD	2.197
2006	Kubota	6KBXL.719KCB	0.479
2006	Kubota	6KBXL.719KCB	0.719
2006	Kubota	6KBXL01.1BCB	1.123
2006	Kubota	6KBXL01.5BCD	1.123
2006	Kubota	6KBXL02.0FCD	1.393
2006	Kubota	6KBXL01.5BCD	1.498
2006	Kubota	6KBXL02.0FCD	1.499
2006	Kubota	6KBXL02.0FCD	1.857
2006	Kubota	6KBXL02.0FCD	1.999
2006	Kubota	6KBXL02.2ECC	2.197
2006	Kubota	6KBXL02.2ECD	2.197
2006	Kubota	6KBXL02.2FCD	2.197
2006	Kubota	6KBXL03.3CCD	3.053
2006	Kubota	6KBXL03.3CCD	3.331
2007	Kubota	7KBXL.719KCB	0.479
2007	Kubota	7KBXL.719KCB	0.719
2007	Kubota	7KBXL01.1BCB	1.123
2007	Kubota	7KBXL01.5BCD	1.123
2007	Kubota	7KBXL02.0FCD	1.393
2007	Kubota	7KBXL02.0FCD	1.857
2007	Kubota	7KBXL02.2ECC	2.197
2007	Kubota	7KBXL02.2ECD	2.197
2007	Kubota	7KBXL02.2FCD	2.197
2007	Kubota	7KBXL02.2GCC	2.216
2007	Kubota	7KBXL02.2RCD	2.216

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2007	Kubota	7KBXL03.3CCD	3.053
2008	Kubota	8KBXL.719KCB	0.479
2008	Kubota	8KBXL.719KCB	0.719
2008	Kubota	8KBXL01.0BCC	1.001
2008	Kubota	8KBXL01.1BCB	1.123
2008	Kubota	8KBXL01.3DCC	1.261
2008	Kubota	8KBXL01.5FCC	1.499
2008	Kubota	8KBXL02.2FCC	1.647
2008	Kubota	8KBXL01.9FCB	1.857
2008	Kubota	8KBXL02.0FCC	1.999
2008	Kubota	8KBXL02.2RCD	2.216
2008	Kubota	8KBXL02.2GCC	2.216
2008	Kubota	8KBXL02.4FCC	2.434
2009	Kubota	9KBXL.719KCB	0.479
2009	Kubota	9KBXL.719KCB	0.719
2009	Kubota	9KBXL01.0BCC	1.001
2009	Kubota	9KBXL01.1BCB	1.123
2009	Kubota	9KBXL01.3DCC	1.261
2009	Kubota	9KBXL01.5FCC	1.499
2009	Kubota	9KBXL02.2FCC	1.647
2009	Kubota	9KBXL01.9FCB	1.857
2009	Kubota	9KBXL02.0FCC	1.999
2009	Kubota	9KBXL02.2RCD	2.216
2009	Kubota	9KBXL02.2GCC	2.216
2009	Kubota	9KBXL02.4FCC	2.434
2010	Kubota	AKBXL.719KCB	0.479
2010	Kubota	AKBXL.719KCB	0.719
2010	Kubota	AKBXL.719NCB	0.479
2010	Kubota	AKBXL.719NCB	0.719
2010	Kubota	AKBXL01.0BCC	1.001
2010	Kubota	AKBXL01.1BCB	1.123
2010	Kubota	AKBXL01.1DCB	1.123
2010	Kubota	AKBXL01.3DCC	1.261
2010	Kubota	AKBXL01.5BCD	1.123
2010	Kubota	AKBXL01.5BCD	1.498
2010	Kubota	AKBXL01.5FCC	1.499
2010	Kubota	AKBXL02.2FCC	1.647
2010	Kubota	AKBXL01.9FCB	1.857
2010	Kubota	AKBXL02.0FCC	1.999
2010	Kubota	AKBXL02.0FCD	1.999
2010	Kubota	AKBXL02.2FCD	2.197
2010	Kubota	AKBXL02.2GCC	2.216

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2010	Kubota	AKBXL02.2RCD	2.216
2010	Kubota	AKBXL02.4FCC	2.434
2011	Kubota	BKBXL.719KCB	0.479
2011	Kubota	BKBXL.719KCB	0.719
2011	Kubota	BKBXL.719NCB	0.479
2011	Kubota	BKBXL.719NCB	0.719
2011	Kubota	BKBXL01.0BCC	1.001
2011	Kubota	BKBXL01.1BCB	1.123
2011	Kubota	BKBXL01.1DCB	1.123
2011	Kubota	BKBXL01.3DCC	1.261
2011	Kubota	BKBXL01.5BCD	1.123
2011	Kubota	BKBXL01.5BCD	1.498
2011	Kubota	BKBXL01.5FCC	1.499
2011	Kubota	BKBXL01.9FCB	1.857
2011	Kubota	BKBXL02.0FCC	1.999
2011	Kubota	BKBXL02.0FCD	1.999
2011	Kubota	BKBXL02.2FCC	1.647
2011	Kubota	BKBXL02.2FCD	2.197
2011	Kubota	BKBXL02.2RCB	2.216
2011	Kubota	BKBXL02.2RCD	2.216
2011	Kubota	BKBXL02.4FCC	2.434
2012	Kubota	CKBXL.719KCB	0.479
2012	Kubota	CKBXL.719KCB	0.719
2012	Kubota	CKBXL.719NCB	0.479
2012	Kubota	CKBXL.719NCB	0.719
2012	Kubota	CKBXL01.0BCC	1.001
2012	Kubota	CKBXL01.1BCB	1.123
2012	Kubota	CKBXL01.1DCB	1.123
2012	Kubota	CKBXL01.3DCC	1.261
2012	Kubota	CKBXL01.5BCD	1.123
2012	Kubota	CKBXL01.5BCD	1.498
2012	Kubota	CKBXL01.5FCC	1.499
2012	Kubota	CKBXL01.9FCB	1.857
2012	Kubota	CKBXL02.0FCC	1.999
2012	Kubota	CKBXL02.0FCD	1.999
2012	Kubota	CKBXL02.2FCC	1.647
2012	Kubota	CKBXL02.2FCD	2.197
2012	Kubota	CKBXL02.2RCB	2.216
2012	Kubota	CKBXL02.2RCD	2.216
2012	Kubota	CKBXL02.4FCC	2.434
1998	Isuzu	N/A	2.200
1999	Isuzu	XSZXL02.2DNC	2.200

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
1999	Isuzu	XSZXL02.2YNC	2.200
1999	Isuzu	XSZXL02.2DNA	2.200
2000	Isuzu	YSZXL02.2YNA	2.200
2000	Isuzu	YSZXL02.2YNC	2.200
2001	Isuzu	1SZXL02.2YNA	2.200
2001	Isuzu	1SZXL02.2YNC	2.200
2001	Isuzu	1SZXL01.7DNA	1.700
2002	Isuzu	2SZXL02.2YNA	2.200
2002	Isuzu	2SZXL02.2YNC	2.200
2002	Isuzu	2SZXL01.7DNA	1.700
2003	Isuzu	3SZXL02.2YNA	2.200
2003	Isuzu	3SZXL02.2YNC	2.200
2003	Isuzu	3SZXL01.7DNA	1.700
2004	Isuzu	4SZXL02.2DNC	2.200
2005	Isuzu	5SZXL02.2DNC	2.200
2006	Isuzu	6SZXL02.2DNC	2.200
2007	Isuzu	7SZXL02.2DNC	2.200
1998	Yanmar	SYD493U6D2RA	0.493
1998	Yanmar	SDY493U6D2RA	0.493
1998	Yanmar	SYD739U6D2RA	0.739
1998	Yanmar	SYD1.0U6D2RA	0.953
1999	Yanmar	SYD493U6D2RA	0.493
1999	Yanmar	SDY493U6D2RA	0.493
1999	Yanmar	SYD739U6D2RA	0.739
1999	Yanmar	SYD1.0U6D2RA	0.953
1999	Yanmar	XYDXL1.90D4N	1.901
1999	Yanmar	XYDXL2.09D4N	2.091
2000	Yanmar	YYDXL0.49P2N	0.493
2000	Yanmar	YYDXL0.74P3N	0.739
2000	Yanmar	YYDXL0.95P3N	0.953
2000	Yanmar	YYDXL1.90D4N	1.901
2000	Yanmar	YYDXL2.09D4N	2.091
2001	Yanmar	1YDXL0.49P2N	0.493
2001	Yanmar	1YDXL0.74P3N	0.739
2001	Yanmar	1YDXL0.95P3N	0.953
2001	Yanmar	1YDXL1.90D4N	1.901
2001	Yanmar	1YDXL2.09D4N	2.091
2002	Yanmar	2YDXL0.49P2N	0.493
2002	Yanmar	2YDXL0.49P2N	1.493
2002	Yanmar	2YDXL0.74P3N	0.739
2002	Yanmar	2YDXL0.95P3N	0.953
2002	Yanmar	2YDXL1.90D4N	1.901

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2002	Yanmar	2YDXL2.09D4N	2.091
2003	Yanmar	3YDXL0.49P2N	0.493
2003	Yanmar	3YDXL0.74P3N	0.739
2003	Yanmar	3YDXL0.95P3N	0.953
2003	Yanmar	3YDXL1.90D4N	1.901
2003	Yanmar	3YDXL2.09D4N	2.091
2003	Yanmar	3YDXL2.09K4N	2.091
2004	Yanmar	4YDXL0.49P2N	0.493
2004	Yanmar	4YDXL0.74P3N	0.739
2004	Yanmar	4YDXL0.95P3N	0.953
2004	Yanmar	4YDXL2.09D4N	2.091
2004	Yanmar	4YDXL2.09K4N	2.091
2005	Yanmar	5YDXL0.57W2N	0.570
2005	Yanmar	5YDXL0.85W3N	0.854
2005	Yanmar	5YDXL1.11W3N	1.116
2005	Yanmar	5YDXL2.09D4N	2.091
2005	Yanmar	5YDXL2.09K4N	2.091
2006	Yanmar	6YDXL0.57W2N	0.570
2006	Yanmar	6YDXL0.85W3N	0.854
2006	Yanmar	6YDXL1.11W3N	1.116
2006	Yanmar	6YDXL2.09K4N	2.091
2007	Yanmar	7YDXL0.57W2N	0.570
2007	Yanmar	7YDXL0.57V2N	0.570
2007	Yanmar	7YDXL0.85W3N	0.854
2007	Yanmar	7YDXL1.11W3N	1.116
2007	Yanmar	7YDXL2.09K4N	2.091
2008	Yanmar	8YDXL0.57V2N	0.570
2008	Yanmar	8YDXL0.57W2N	0.570
2008	Yanmar	8YDXL0.85W3N	0.854
2008	Yanmar	8YDXL1.11W3N	1.116
2008	Yanmar	8YDXL2.09K4N	2.091
2009	Yanmar	9YDXL0.57W2N	0.570
2009	Yanmar	9YDXL0.57V2N	0.570
2009	Yanmar	9YDXL0.85W3N	0.854
2009	Yanmar	9YDXL1.11W3N	1.116
2009	Yanmar	9YDXL2.09K4N	2.091
2009	Yanmar	9YDXL2.09M4N	2.091
2010	Yanmar	AYDXL0.57W2N	0.570
2010	Yanmar	AYDXL0.57V2N	0.570
2010	Yanmar	AYDXL0.85W3N	0.854
2010	Yanmar	AYDXL1.11W3N	1.116
2010	Yanmar	AYDXL2.09K4N	2.091

Model Year	Engine Manufacturer	Engine Family	Displacement (L)
2010	Yanmar	AYDXL2.09M4N	2.091
2011	Yanmar	BYDXL0.57W2N	0.570
2011	Yanmar	BYDXL0.57V2N	0.570
2011	Yanmar	BYDXL0.85W3N	0.854
2011	Yanmar	BYDXL1.11W3N	1.116
2011	Yanmar	BYDXL2.09K4N	2.091
2011	Yanmar	BYDXL2.09M4N	2.091
2012	Yanmar	CYDXL0.57W2N	0.570
2012	Yanmar	CYDXL0.57V2N	0.570
2012	Yanmar	CYDXL0.85W3N	0.854
2012	Yanmar	CYDXL1.11W3N	1.116
2012	Yanmar	CYDXL2.09K4N	2.091
2012	Yanmar	CYDXL2.09M4N	2.091
2003	Perkins	3H3XL.451E2V	0.451
2003	Perkins	3H3XL.676E3V	0.676
2003	Perkins	3H3XL.954S5V	0.954
2004	Perkins	4H3XL.451E2V	0.451
2004	Perkins	4H3XL.676E3V	0.676
2004	Perkins	4H3XL.954S5V	0.954