

SPECIFICATIONS

SYSTEM 2

SYSTEM 1

Gas	Model No.	ML193UH030XE36E	ML193UH045XE36B	ML193UH070XE36B	ML193UH090XE36C
Heating Performance	AHRI Reference No.	20256877	20256878	20256879	20256880
	¹ AFUE	93%	93%	93%	93%
	Input - Btuh	30,000	44,000	66,000	88,000
	Output - Btuh	29,000	42,000	63,000	84,000
	Temperature rise range - °F	25 - 55	30 - 60	40 - 70	50 - 80
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10	3.5 / 10.0	3.5 / 10.0	3.5 / 10
	High static - in. w.g.	0.5	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 8	10 x 8	10 x 8
	Motor Type	DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	1/2	1/2
	Tons of add-on cooling	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	175 - 1435	355 - 1420	355 - 1430	405 - 1410
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	6.8	6.8	6.8	6.8
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	120	120	127	144

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

SPECIFICATIONS

Gas	Model No.	ML193UH090XE48C	ML193UH110XE48C	ML193UH110XE60C
Heating Performance	AHRI Reference No.	20256881	20256882	20256883
	¹ AFUE	93%	93%	93%
	Input - Btuh	88,000	110,000	110,000
	Output - Btuh	84,000	104,000	105,000
	Temperature rise range - °F	45 - 75	50 - 80	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10	3.5 / 10
	High static - in. w.g.	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
	with furnished 90° street elbow with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	10 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	3/4	3/4	1
	Tons of add-on cooling	2.5 - 4	2.5 - 4	3 - 5
	Air Volume Range - cfm	830 - 1710	850 - 1750	1085 - 2150
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	8.4	8.4	10.9
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	144	156	158

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

BLOWER DATA

SYSTEM 2

ML193UH030XE36B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1435	346	1170	191	1000	127	775	62	705	45
0.10	1400	351	1130	199	955	132	735	71	635	48
0.20	1360	358	1085	207	905	137	680	81	515	50
0.30	1325	370	1055	217	865	148	625	84	445	55
0.40	1300	382	1020	227	815	157	570	91	380	61
0.50	1265	387	990	231	785	161	515	95	310	66
0.60	1235	402	945	244	735	168	475	104	265	68
0.70	1200	411	910	253	710	175	425	107	215	72
0.80	1160	420	885	260	660	183	355	114	175	75

SYSTEM 1

ML193UH045XE36B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1420	343	1305	264	1170	191	930	102	780	66
0.10	1390	348	1270	271	1135	199	885	109	735	71
0.20	1355	349	1230	280	1100	207	850	119	680	81
0.30	1330	368	1205	291	1060	220	795	126	625	84
0.40	1295	378	1180	298	1025	226	755	134	570	91
0.50	1265	386	1140	310	995	233	720	140	515	95
0.60	1240	402	1100	316	955	242	670	148	475	104
0.70	1210	411	1065	331	920	253	615	157	425	107
0.80	1160	420	1030	340	880	262	580	160	355	114

ML193UH070XE36B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1430	330	1300	249	1170	185	955	101	750	67
0.10	1395	337	1270	256	1145	192	910	107	705	71
0.20	1365	344	1245	269	1100	199	865	115	655	76
0.30	1340	357	1215	275	1080	210	815	123	600	82
0.40	1305	367	1180	285	1040	219	760	133	550	93
0.50	1270	377	1145	296	1005	230	720	139	505	95
0.60	1250	393	1110	305	970	237	685	147	455	100
0.70	1210	401	1080	316	930	247	635	152	405	109
0.80	1185	412	1045	325	885	255	600	158	355	114

ML193UH090XE36C PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1410	280	1340	230	1160	160	835	90	770	64
0.10	1375	289	1315	239	1125	168	885	95	730	70
0.20	1340	301	1285	249	1090	175	840	104	685	74
0.30	1310	314	1260	261	1055	180	780	112	645	81
0.40	1275	326	1225	269	1015	195	730	117	590	87
0.50	1240	340	1190	279	965	201	675	126	535	91
0.60	1210	347	1160	288	920	211	620	133	495	98
0.70	1170	362	1130	299	885	221	580	138	455	102
0.80	1135	368	1105	304	855	229	535	144	405	107

AIR RESISTANCE

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
CX35-18/24A-6F CX35-18/24B-6F	400	0.06	0.08
	600	0.11	0.17
	800	0.18	0.25
	1000	0.27	0.39
	1200	0.37	0.52
CX35-24A-6F	400	0.05	0.05
	600	0.09	0.10
	800	0.16	0.18
	1000	0.23	0.26
	1200	0.32	0.36
CX35-24B-6F	400	0.03	0.04
SYSTEM 1 SYSTEM 2	600	0.07	0.09
	800	0.11	0.15
	1000	0.17	0.22
	1200	0.23	0.31
CX35-30A-6F	600	0.07	0.08
	800	0.12	0.13
	1000	0.18	0.20
	1200	0.26	0.28
	1400	0.34	0.37
CX35-30B-6F	600	0.06	0.06
	800	0.09	0.11
	1000	0.13	0.16
	1200	0.19	0.23
	1400	0.25	0.31
CX35-30/36A-6F	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
CX35-30/36B-6F CX35-30/36C-6F CX35-36B-6F	800	0.08	0.11
	1000	0.13	0.16
	1200	0.17	0.21
	1400	0.22	0.28
	1600	0.29	0.34

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
CX35-36A-6F	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
CX35-48B-6F	1000	0.13	0.13
	1200	0.18	0.18
	1400	0.23	0.24
	1600	0.30	0.31
	1800	0.37	0.40
CX35-48C-6F	1000	0.07	0.09
	1200	0.10	0.12
	1400	0.13	0.16
	1600	0.16	0.20
	1800	0.20	0.24
CX35-49C-6F	1200	0.08	0.12
	1400	0.13	0.17
	1600	0.17	0.22
	1800	0.22	0.28
	2000	0.28	0.35
CX35-50/60C-6F	1200	0.13	0.17
	1400	0.18	0.23
	1600	0.23	0.29
	1800	0.28	0.37
	2000	0.34	0.43
CX35-60D-6F	1400	0.11	0.15
	1600	0.14	0.18
	1800	0.17	0.21
	2000	0.21	0.27
	2200	0.25	0.32
	2400	0.30	0.37
CX35-60C-6F	1400	0.15	0.19
	1600	0.19	0.23
	1800	0.24	0.28
	2000	0.29	0.34
	2200	0.33	0.40
	2400	0.39	0.46

AHRI SYSTEM MATCHES

NOTE - For the latest up-to-date system matches please visit www.LennoxPROs.com or the AHRI web site at <http://www.ahridirectory.org>

Model No.	Expansion Device	Capacity	SEER	EER	Coil or Air Handler	Furnace	AHRI Reference	Region
13ACXN018-230	TXV	18600	13	11	CHX35-18A		202193770	North
13ACXN018-230	TXV	19600	15.5	12.5	CHX35-24A	ML180UH045E36A	202193872	North
13ACXN018-230	TXV	19600	15.5	12.5	CHX35-24A	ML180UH045XE36A	202193962	North
13ACXN018-230	TXV	19000	13	11	CHX35-24A		202193771	North
13ACXN018-230	TXV	18000	15	12.5	CHX35-24B	EL196UH030XE24B	202194513	North
13ACXN018-230	TXV	18000	15	12.5	CHX35-24B	EL196UH045XE24B	202194493	North
13ACXN018-230	TXV	18800	13	11	CHX35-24B		202193772	North
13ACXN018-230	TXV	18000	15	12.5	CHX35-30B	EL196UH030XE24B	202194514	North
13ACXN018-230	TXV	18000	15	12.5	CHX35-30B	EL196UH045XE24B	202194494	North
13ACXN018-230	TXV	18900	15	12	CR33-18	ML180DF045E36A	10589216	North
13ACXN018-230	TXV	18400	13	11	CR33-18		10245861	North
13ACXN018-230	TXV	18000	13	11	CR33-24		10245862	North
13ACXN018-230	TXV	18600	14.5	12	CR33-24A	ML180DF045E36A	10589217	North
13ACXN018-230	TXV	19100	14	11.5	CR33-30/36		10245863	North
13ACXN018-230	TXV	19700	15.1	12.5	CR33-30/36A	ML180DF045E36A	10589218	North
13ACXN018-230	TXV	18800	14.5	12.5	CX35-18/24A	ML180UH045E36A	202583742	North
13ACXN018-230	TXV	18800	14.5	12.5	CX35-18/24A	ML180UH045XE36A	202583743	North
13ACXN018-230	TXV	18000	14	12.2	CX35-18/24A	ML180UH045XE36A	202575914	North
13ACXN018-230	TXV	18000	14.5	12	CX35-18/24B	EL196UH030XE24B	201867813	North
13ACXN018-230	TXV	18000	14.5	12	CX35-18/24B	EL196UH045XE24B	201867649	North
13ACXN018-230	TXV	18000	15	12.5	CX35-24B	EL196UH030XE24B	201867650	North
13ACXN018-230	TXV	18000	15	12.5	CX35-24B	EL196UH045XE24B	201867651	North
13ACXN018-230	TXV	17500	13	10.7	CX35-24B		10245868	North
13ACXN018-230	TXV	18700	13	11	CX35-30/36A		10245869	North
13ACXN018-230	TXV	18700	13	11	CX35-30/36B		10245870	North
13ACXN018-230	TXV	18000	15	12.5	CX35-30B	EL196UH030XE24B	201867815	North
13ACXN018-230	TXV	18000	15	12.5	CX35-30B	EL196UH045XE24B	201867653	North
13ACXN018-230	TXV	19500	15.5	12.5	CX38-25A	ML180UH045E36A	202136332	North
13ACXN018-230	TXV	19500	15.5	12.5	CX38-25A	ML180UH045XE36A	202136333	North
13ACXN018-230	TXV	18000	13	11	CX38-30B		10545226	North
13ACXN018-230	TXV	19500	15.1	12.5	CX38-31A	ML180UH045E36A	202136472	North
13ACXN018-230	TXV	19500	15.1	12.5	CX38-31A	ML180UH045XE36A	202136473	North
13ACXN024-230	RFC	22400	13	10.5	C35-24A		10256959	North
13ACXN024-230	RFC	22400	13	10.5	C35-24B		10256960	North
13ACXN024-230	RFC	22800	13	10.7	C35-30/36A		10256961	North
13ACXN024-230	RFC	22800	13	10.7	C35-30A		10256962	North
13ACXN024-230	RFC	22800	13	10.7	C35-30B		10256963	North
13ACXN024-230	RFC	22000	13	10.7	C35-36A		10256964	North
13ACXN024-230	RFC	22000	13	10.7	C35-36B		10256965	North
13ACXN024-230	RFC	23400	13	11	CH23-41		10256966	North
13ACXN024-230	RFC	22400	13	10.5	CH35-24A		10514508	North
13ACXN024-230	RFC	22400	13	10.5	CH35-24B		10514509	North
13ACXN024-230	RFC	22800	13	10.7	CH35-30A		10514510	North
13ACXN024-230	RFC	22800	13	10.7	CH35-30B		10514511	North
13ACXN024-230	RFC	22000	13	10.7	CH35-36A		10514512	North
13ACXN024-230	RFC	22000	13	10.7	CH35-36B		10514513	North
13ACXN024-230	RFC	23600	13	11	CR33-30/36		10256970	North
13ACXN024-230	TXV	23000	14	11.5	C35-18/24A	ML180UH045E36A	10581939	North
13ACXN024-230	TXV	23000	14	11.5	C35-18/24A	ML180UH045XE36A	10582431	North
13ACXN024-230	TXV	23400	14	12	C35-18/24A	SL280UH070V36A	10250656	North
13ACXN024-230	TXV	23400	14	12	C35-18/24A	SL280UH070XV36A	10250657	North
13ACXN024-230	TXV	23000	14	11.5	C35-18/24B	EL196UH030XE24B	201870375	North
13ACXN024-230	TXV	23000	14	11.5	C35-18/24B	EL196UH045XE24B	201870376	North
13ACXN024-230	TXV	22600	14	11.5	C35-18/24B	EL196UH045XE36B	201870377	North
13ACXN024-230	TXV	23000	14	12	C35-18/24B	EL196UH070XE36B	201870378	North
13ACXN024-230	TXV	22600	14	11.5	C35-18/24B	EL296UH045XE36B	10250664	North
13ACXN024-230	TXV	23200	14	12	C35-18/24B	EL296UH045XV36B	10250665	North
13ACXN024-230	TXV	23000	14	12	C35-18/24B	EL296UH070XE36B	10250666	North
13ACXN024-230	TXV	23200	14	12	C35-18/24B	EL296UH070XV36B	10250667	North
13ACXN024-230	TXV	22800	14	12	C35-18/24B	ML180UH070E36B	10582896	North
13ACXN024-230	TXV	22800	14	12	C35-18/24B	ML180UH070XE36B	10583480	North

SYSTEM 2
 SYSTEM 1

NOTES:

TXV = Matched with Thermostatic Expansion Valve.
 RFC = Matched with RFC metering device.