

ISOBUTANE COMPRESSOR LINE - 50Hz - LBP APPLICATION

Compressor	Displ. cm ³	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Efficiency with run capacitor + TSD			Run Cap µF
				ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
				(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
BPK1046Y	3.44	10	150.2	42	49	37	0.97	1.13	0.89	0.99	1.15	0.91				2.5
BPK1058Y	4.60	10	150.2	62	72	54	1.05	1.22	0.96	1.07	1.24	0.98				2.5
BPK1072Y	5.61	10	150.2	76	89	67	1.09	1.27	1.00	1.11	1.29	1.02				2.5
BPK1084Y	6.67	10	150.2	91	106	80	1.09	1.27	1.00	1.11	1.29	1.02				2.5
BPK1111Y	8.87	10	158.7	122	142	107	1.11	1.29	1.02	1.13	1.32	1.04				2.5
BPK1114Y	10.10	10	158.7	137	159	120	1.09	1.27	1.00	1.11	1.29	1.02				2.5
EMT26CLP	5.19	7	158.0	73	85	64	1.06	1.24	0.98	1.12	1.30	1.03				2.5
EMT32CLP	5.96	7	158.0	83	97	73	1.09	1.27	1.00	1.16	1.35	1.06				2.5
EMT40CLP	7.23	7	158.0	104	121	91	1.10	1.28	1.01	1.17	1.36	1.07				2.5
EMT46CLP	7.96	7	158.0	116	135	102	1.11	1.29	1.02	1.18	1.37	1.08				2.5
EMU26CLC	5.19	7	158.0	73	85	64	1.17	1.36	1.07	1.22	1.42	1.12				4.0
EMU32CLC	5.96	7	158.0	83	97	73	1.18	1.37	1.08	1.23	1.43	1.13				4.0
EMU40CLC	7.23	7	158.0	104	121	91	1.20	1.39	1.10	1.26	1.46	1.16				4.0
EMU46CLC	7.96	7	166.0	116	135	102	1.20	1.39	1.10	1.25	1.46	1.15				4.0
EMY20CLC	4.15	7	166.0	53	62	47				1.20	1.40	1.10	1.26	1.47	1.16	2.5
EMY26CLC	5.19	7	166.0	73	85	64				1.28	1.49	1.18	1.33	1.54	1.22	2.5
EMY32CLC	5.96	7	166.0	83	97	73				1.30	1.51	1.19	1.34	1.56	1.23	2.5
EMY40CLC	7.23	7	166.0	104	121	91				1.32	1.53	1.21	1.35	1.57	1.24	4.0
EMY46CLP	7.96	7	166.0	116	135	102	1.25	1.45	1.15	1.34	1.55	1.23	1.37	1.59	1.26	4.0
EMY55CLP	8.59	7	166.0	127	148	111	1.24	1.44	1.14	1.34	1.55	1.23	1.37	1.59	1.26	4.0
NBM1112Y	8.78	15	187.0	117	137	103	1.12	1.30	1.03							
NBM1114Y	10.00	15	187.0	136	159	119	1.14	1.32	1.05							
NBM1116Y	12.12	15	200.0	171	199	149	1.20	1.39	1.10							
NBM1118Y	14.28	15	200.0	200	233	175	1.21	1.41	1.11							
NBT1112Y	8.78	10	187.0	117	137	103	1.21	1.41	1.11	1.28	1.49	1.17				4.0
NBT1114Y	10.00	10	187.0	138	160	120	1.22	1.42	1.12	1.29	1.49	1.18				4.0
NBT1116Y	12.12	10	200.0	171	199	150	1.28	1.49	1.18	1.35	1.57	1.24				4.0
NBT1118Y	14.28	10	200.0	201	233	176	1.27	1.48	1.17	1.34	1.56	1.23				4.0
NBU1112Y	8.78	7	187.0	125	146	110				1.40	1.62	1.28				4.0
NBU1114Y	10.00	7	187.0	145	169	127				1.40	1.63	1.28				4.0
NBU1115Y	11.00	7	200.0	165	192	144				1.44	1.67	1.32				4.0
NBU1116Y	12.12	7	200.0	180	209	158				1.44	1.68	1.33				4.0
NBU1118Y	14.28	7	200.0	211	246	185				1.43	1.66	1.31				4.0

ISOBUTANE COMPRESSOR LINE - 50Hz - HBP APPLICATION

Compressor	Displ. cm ³	Oil ISO cSt	Max Height (mm)	Cooling Capacity			Efficiency without run capacitor			Efficiency with run capacitor			Run Cap µF
				ASHRAE		CECOMAF (W)	ASHRAE		CECOMAF (W/W)	ASHRAE		CECOMAF (W/W)	
				(kcal/h)	(W)		(kcal/Wh)	(W/W)		(kcal/Wh)	(W/W)		
BPE5125Y	4.60	10	150.7	216	251	211	2.06	2.40	2.04				
BPE5128Y	5.61	10	150.7	270	314	264	1.96	2.28	1.94				
BPE5132Y	6.67	10	158.7	321	374	314	2.12	2.47	2.10				

TEST CONDITIONS	LBP		HBP	
	ASHRAE	CECOMAF	ASHRAE	CECOMAF
Evaporating temperature	-23.3°C	-25°C	7.2°C	5°C
Condensing temperature	54.4°C	55°C	54.4°C	55°C
Ambient temperature	32.2°C	32°C	35°C	32°C
Liquid temperature	32.2°C	55°C	46.1°C	55°C
Suction gas superheat.to	32.2°C	32°C	35°C	32°C

